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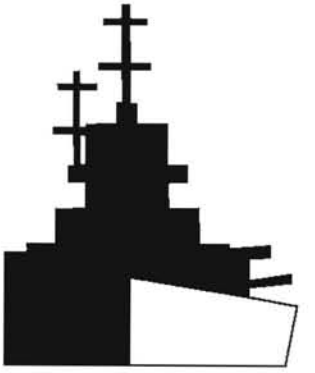

FINAL
SITE INSPECTION REPORT
TRANSFER PARCEL EDC-12
ALAMEDA POINT
ALAMEDA, CALIFORNIA

BEI-7526-0085-0231.R1
October 2007

Submitted to:

Department of the Navy
Base Realignment and Closure
Program Management Office West
1455 Frazee Road, Suite 900
San Diego, California 92108-4310

Department of the Navy
Base Realignment and Closure
Program Management Office West
1455 Frazee Road, Suite 900
San Diego, California 92108-4310

Contract No. N68711-95-D-7526

COMPREHENSIVE LONG-TERM ENVIRONMENTAL ACTION NAVY

CLEAN 3

FINAL
SITE INSPECTION REPORT
TRANSFER PARCEL EDC-12
ALAMEDA POINT
ALAMEDA, CALIFORNIA

BEI-7526-0085-0231.R1
October 2007

Prepared by:

BECHTEL ENVIRONMENTAL, INC.
1230 Columbia Street, Suite 400
San Diego, California 92101-8502

Signature: _____ Date: 10/10/07
Michele Dermer, CTO Leader

Signature: Janet L. Arg _____ Date: 10/10/07
Janet Argyres, PE 38414, Project Manager

BECHTEL ENVIRONMENTAL, INC.

CLEAN 3 TRANSMITTAL/DELIVERABLE RECEIPT

Contract No. N-68711-95-D-7526 **Document Control No.** BEI-7526-0085-0231.R1

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TO: Contracting Officer
NAVFAC Southwest
Ms. Graciela R. Steinway, AQE.GS
1220 Pacific Highway
San Diego, CA 92132-5190

DATE: October 10, 2007
CTO #: 0085
LOCATION: Alameda, California

FROM: Janet L. Argyres
Janet L. Argyres, Project Manager

DESCRIPTION: Final Site Inspection Report – Transfer Parcel EDC-12 for Alameda Point, Dated – October 2007

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October 10, 2007

Contracting Officer
NAVFAC Southwest
Ms. Graciela R. Steinway, AQE.GS
1220 Pacific Highway
San Diego, CA 92132-5190

Subject: Final Site Inspection Report
Transfer Parcel EDC-12
Alameda Point, Alameda, California

Dear Ms. Steinway:

To finalize the Site Inspection Report for Transfer Parcel EDC-12, Alameda Point, Alameda, California, dated October 2007, we are pleased to submit replacement pages for the Final Site Inspection Report. As directed by the Navy RPM, we are concurrently transmitting copies to Ms. Anna-Marie Cook and Ms. Xuan-Mai Tran of U.S. EPA, Ms. Dot Lofstrom, Mr. Jim Polisini, and Ms. Angela Singh of DTSC, and Mr. John West of the RWQCB. In addition, we are forwarding copies on behalf of the Navy to the parties listed on the attached transmittal sheet.

If you have any questions, please contact Michele Dermer, CTOL, at (415) 768-2832 or me at (415) 768-9917.

Very truly yours,

Janet L. Argyres
Project Manager

Enclosure

BECHTEL ENVIRONMENTAL, INC.
1230 Columbia Street, Suite 400
San Diego, CA 92101-8502 USA

EXECUTIVE SUMMARY

A site inspection (SI) was conducted at former Naval Air Station (NAS) Alameda, now referred to as Alameda Point, in Alameda, California, to evaluate current environmental conditions at Transfer Parcel Economic Development Conveyance (EDC)-12 (Figure ES-1). Environmental conditions were evaluated by assessing:

- historical uses of the area, including the presence of solid waste management units (SWMUs), including aboveground storage tanks (ASTs) and underground storage tanks (USTs);
- potential environmental contamination in soil and groundwater, using historical analytical data collected during previous investigations;
- potential human-health risk by performing a screening-level human-health risk evaluation; and
- the presence of special-status species and potential ecological exposure pathways.

Recommendations for further evaluation or no further evaluation in this report were based on these four factors.

BACKGROUND AND HISTORICAL USES

In 1993, NAS Alameda was designated for closure under the Base Realignment and Closure Act. The following year, as part of the closure process, an environmental baseline survey (EBS) was conducted at Alameda Point. During the EBS, the base was divided into 209 EBS parcels. Subsequently, groups of EBS parcels were defined as transfer parcels to aid the Navy in transferring NAS Alameda property to the City of Alameda and other federal agencies. In 1999, Alameda Point was placed on the National Priorities List. The Navy is currently in the process of transferring the land to the City of Alameda and to other federal entities.

Transfer Parcel EDC-12 consists of 18 EBS parcels (EBS Parcels 134, 138, 139, 140, 141, 150, 150B, 151, 153, 154, 155, 155C, 159, 160, 164, 199, 201, and 202). This report evaluates the environmental condition of 15 EBS parcels that are wholly or partially contained within the boundary of Transfer Parcel EDC-12 (EBS Parcels 141, 150, 150B, 151, 153, 164, and 199, and portions of EBS Parcels 134, 140, 154, 155, 159, 160, 201, and 202). EBS parcels or portions of EBS parcels located in Transfer Parcel EDC-12 but not evaluated in this report are wholly or partially located in Corrective Action Area (CAA)-9, CAA-11A, or CAA-11B (EBS Parcels 138, 139, and 155C and portions of EBS Parcels 140, 150, 159, and 202). Groundwater in the eastern portions of EBS Parcels 150B, 151, 154, and 201 and the northern and western portions of EBS Parcel 153 is excluded from the evaluation because it is currently being addressed as part of remedial investigations at adjacent Installation Restoration (IR) Program sites.

Transfer Parcel EDC-12 encompasses approximately 54 acres in the southeastern portion of Alameda Point immediately east of Seaplane Lagoon. Approximately 75 percent of the transfer parcel is open space. The Navy formerly used the land for material, fuel, and aircraft storage; aircraft maintenance; and utility supply (air and steam plant).

Historical uses of the EBS parcels within Transfer Parcel EDC-12 were evaluated in this SI Report, and this evaluation included a review of the SWMU sites present at the transfer parcel. Results of 21 environmental investigations previously conducted at the transfer parcel were also reviewed. These reviews were intended to identify locations where past use indicated the potential for adverse environmental conditions and to evaluate whether previous sampling and analyses conducted to address the potential impacts were adequate. The adequacy of the sampling and analyses for each SWMU located within Transfer Parcel EDC-12 (other than those located within a CAA) was also evaluated.

Nineteen SWMU sites are located within the boundary of Transfer Parcel EDC-12. Five are AST sites, 3 are UST sites, and 11 are other types of SWMU sites. Five of the 19 SWMU sites have received closure letters from the California Environmental Protection Agency Department of Toxic Substances Control and one has received closure from the San Francisco Bay Regional Water Quality Control Board. Of the SWMU sites that have been integrated with the Comprehensive Environmental Response, Compensation, and Liability Act program, three (Naval Aviation Depot Generator Accumulation Point [GAP] 67 and 69 and AST 584) have been recommended for further investigation. Eight of the SWMU sites have been integrated with the Total Petroleum Hydrocarbons (TPH) Program; only one (UST[R]-07/Area 37) of these has been recommended for further investigation under that program.

HISTORICAL ANALYTICAL DATA

Where past uses indicated the potential for contamination, existing analytical data were reviewed. Analytical data evaluated in this SI Report were obtained from environmental studies previously conducted at Transfer Parcel EDC-12; no sampling was performed during the SI. Analytical data from these studies were compared to the lower of either the United States Environmental Protection Agency preliminary remediation goals (PRGs) or the California Environmental Protection Agency–modified (Cal-modified) PRGs for soil (U.S. EPA 2004) and maximum contaminant levels for groundwater (except data for TPH and polynuclear aromatic hydrocarbons [PAHs] in soil). Analytical data for TPH were compared to environmental screening levels (ESLs) for soil samples collected from less than 3 meters (approximately 10 feet) below ground surface. Additionally, soil gas data for volatile organic compounds were compared to ESLs for shallow soil gas. For PAHs in soil, benzo(a)pyrene equivalent concentrations were calculated and compared to the Alameda Point preliminary screening criterion. Concentrations of metals in soil were also compared to background levels for Alameda Point. Manhole sediment data were not evaluated because they are not considered to be indicative of current site conditions. Groundwater analytical data from locations impacted by the IR Sites 9 and 16 groundwater plumes were excluded from the evaluation. Groundwater in these areas will continue to be addressed as part of the activities at the adjacent IR sites. The nature and extent of contamination at IR sites is discussed in the technical reports for the respective sites.

TPH and one PAH compound were reported in soil at concentrations above residential and industrial screening criteria at Transfer Parcel EDC-12. Chloroform was reported in soil gas at a concentration above the residential and industrial ESLs. No chemicals were reported in groundwater samples evaluated in this SI at concentrations above maximum contaminant levels or ESLs.

HUMAN-HEALTH RISK

A screening-level human-health risk evaluation was conducted for Transfer Parcel EDC-12 to assess whether chemical concentrations in soil and groundwater might pose potential human-health concerns that would require further evaluation. Human-health risk was evaluated using analytical results from samples collected during previous environmental studies at Alameda Point.

Screening-level human-health risks were calculated for the nine EBS parcels with reported chemical concentrations above detection limits. These calculated screening-level risks were compared to target risk levels. For cancer risk, separate target risk levels were assessed for PAH and non-PAH analytes in soil. The cumulative target cancer risk level for PAHs in soil was equivalent to one additional cancer case in a population of 100,000 (10^{-5}) (as determined during the PAH technical meeting of the Navy, regulatory agencies, and the City of Alameda in May 2001, at which the PAH preliminary screening criterion for residential use of 620 micrograms per kilogram for soil was established). The cumulative target cancer risk level for non-PAH analytes in soil and for all chemical classes in groundwater was equivalent to one additional cancer case in a population of 1,000,000 (10^{-6}). The target risk level for noncancer adverse health effects was a hazard quotient of 1 for individual chemicals of potential concern and a cumulative hazard index of 1 for all chemicals of potential concern. Reported concentrations of lead were evaluated using the Cal-modified PRG for lead in soil and the Cal-modified action level for lead in groundwater.

Use of the maximum reported concentrations in the risk evaluation may result in an overestimation of potential human-health risk; nonetheless, risks associated with chemicals reported in soil and groundwater at the EBS parcels included in the screening-level human-health risk evaluation were below target risk levels.

ECOLOGICAL RISK

An ecological risk evaluation was conducted for Transfer Parcel EDC-12, which included the development of a conceptual site model for potentially complete exposure pathways and the potential presence of special-status species and habitats. No complete exposure pathways, special-status species, or sensitive habitats such as wetlands or nesting areas were identified at Transfer Parcel EDC-12.

CONCLUSIONS AND RECOMMENDATIONS

Historical uses of the transfer parcel, including the SWMUs, data evaluation results, and results of the screening-level human-health risk evaluation were reviewed to provide a basis for the recommendation of further evaluation or no further evaluation for each EBS parcel in

Transfer Parcel EDC-12. Because no complete exposure pathways or special-status species were found to exist at this parcel, no ecological factors affected the recommendations.

An aircraft parking and staining evaluation will be conducted throughout Transfer Parcel EDC-12, as suggested by the regulatory agencies. In addition, areas recommended for further evaluation are identified as areas of concern (AOCs). Figure ES-2 shows the six AOCs identified at Transfer Parcel EDC-12 as well as areas recommended for no further evaluation beyond the aircraft parking and staining evaluation. The sizes and shapes of the AOCs are estimated to indicate their general locations, not to define the potential extent of contamination. The actual sizes and shapes of the AOCs will be delineated when they are investigated further.

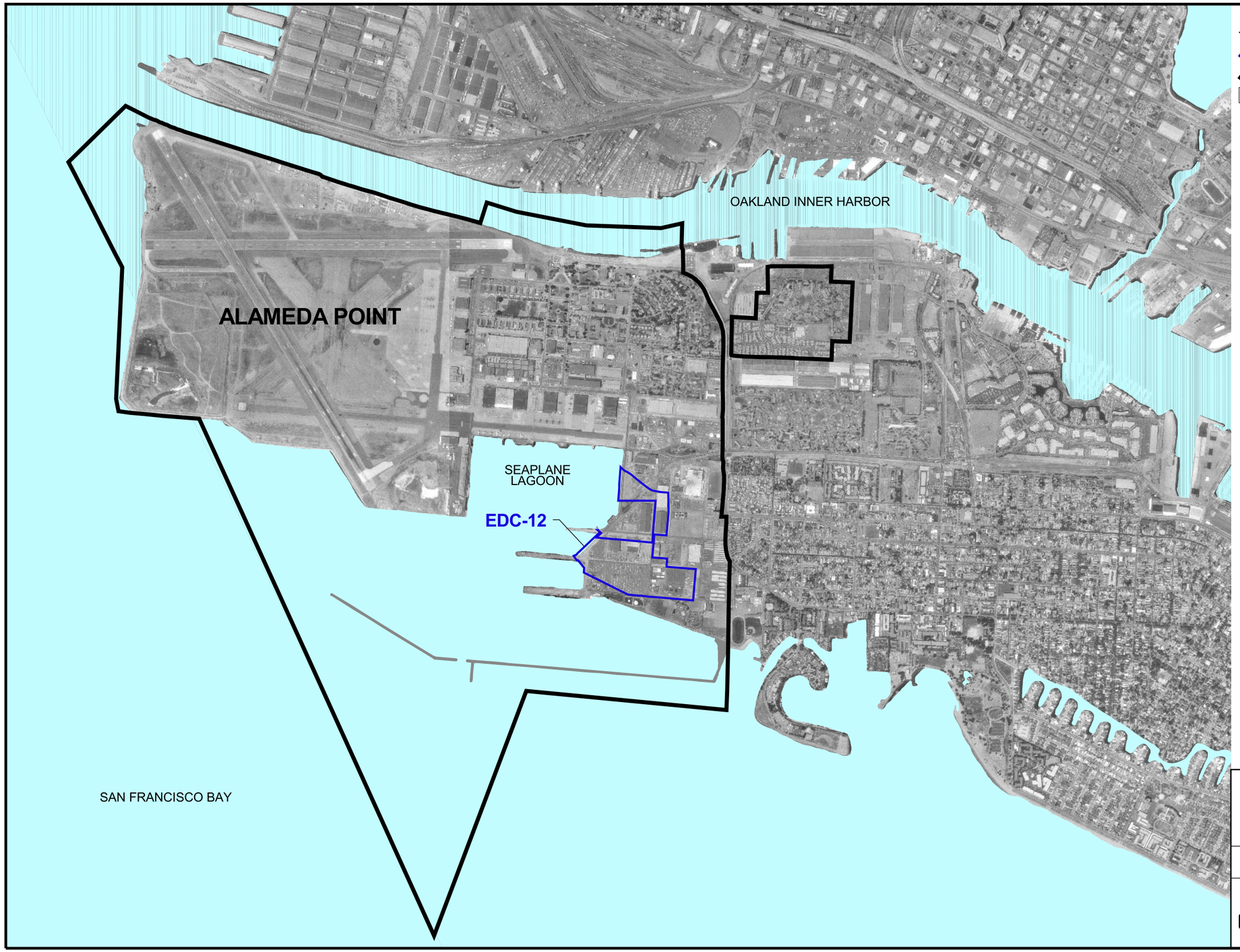
The portion of Transfer Parcel EDC-12 not identified as one of the six AOCs is not recommended for further evaluation. No further evaluation was recommended in areas where:

- historical use did not indicate the potential for contamination,
- contamination is potentially present, but adequate sampling was conducted in those areas and analytical results were below screening criteria, or
- analytical results exceeded screening criteria, but contaminants were adequately delineated and did not contribute to a human-health risk exceeding target levels.

No further investigation beyond the aircraft parking and staining evaluation is recommended for EBS Parcels 134, 141, 155, 160, 164, and 199. Groundwater concerns at portions of EBS Parcels 150B, 151, 153, 154, and 201 will be addressed under ongoing investigations at IR Sites 9 or 16, as appropriate.

Table ES-1 summarizes potential environmental concerns at Transfer Parcel EDC-12, provides conclusions, lists Navy recommendations for further evaluation or no further evaluation, and identifies the six AOCs within this transfer parcel.

AOC 1 is recommended for further investigation of the former storage yard areas of EBS Parcel 140. AOC 2 is recommended for further delineation of TPH in soil in portions of EBS Parcels 150, 150B, and 153, and for assessment of potential impacts from previous activities and SWMU GAP 621 in the northeastern corner of EBS Parcel 150. AOC 3 is recommended for further delineation of TPH in soil in the eastern portion of EBS Parcel 151 and the central portion of EBS Parcel 150B and for assessment of the presence of semivolatile organic compounds (SVOCs) in soil at the former wood-treatment area in EBS Parcel 151. AOC 4 is recommended for further evaluation of TPH and SVOCs near two SWMUs at Building 167 in the northern portion of EBS Parcel 154 and assessment of the sediments in the storm sewer segment south of Building 167 that originates in EBS Parcel 154. AOC 4 is also recommended to assess potential impacts from historical maintenance and washdown of aircraft and other vehicles that may have occurred near Building 167. AOC 5 is recommended to assess potential impacts from historical maintenance and washdown of aircraft and other vehicles in the southern portion of EBS Parcel 159. AOC 6 is recommended to investigate the potential release of corrosion-inhibiting chemicals that may have been used at AST 584 located in EBS Parcel 202.



LEGEND

- TRANSFER PARCEL EDC-12 BOUNDARY
- ALAMEDA POINT NAVY PROPERTY BOUNDARY
- WATER

NOTES:

EDC – ECONOMIC DEVELOPMENT CONVEYANCE

SI – SITE INSPECTION

SOURCE:

UNITED STATES GEOLOGICAL SURVEY. 1993. DIGITAL ORTHOPHOTO QUADRANGLE. OAKLAND WEST 1:24,000 QUADRANGLE. JULY 10.

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SI Report for Transfer Parcel EDC-12

Figure ES-1

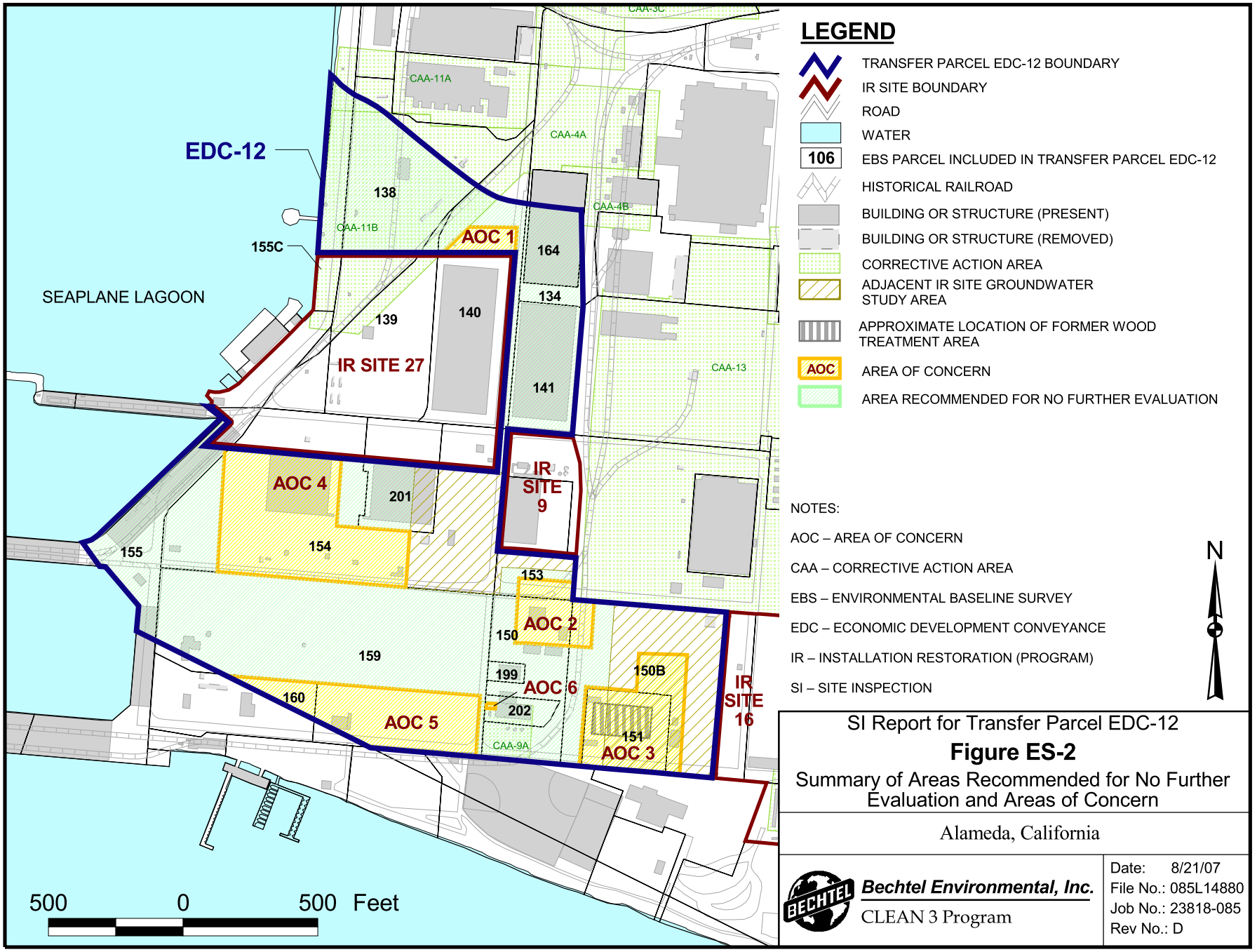
Location of Transfer Parcel EDC-12 in Alameda Point

Alameda, California

Bechtel Environmental, Inc.

CLEAN 3 Program

Date: 7/20/06
File No.: 085L15000
Job No.: 23818-085
Rev No.: A



SI Report for Transfer Parcel EDC-12

Figure ES-2

Summary of Areas Recommended for No Further Evaluation and Areas of Concern

Alameda, California

Bechtel Environmental, Inc.

CLEAN 3 Program

Date: 8/21/07
File No.: 085L14880
Job No.: 23818-085
Rev No.: D

Table ES-1
Summary of Conclusions and Recommendations

EBS Parcel[a]	Environmental Concern/Conclusion[b]	Navy Recommendation[c]	Area of Concern
134	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	None based on historical use as open space; potential impacts to soil and groundwater are unlikely.	No further evaluation for this EBS parcel	NA
140	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	Historical use includes two former storage yards north of Building 165 with no historical sampling.	Further evaluation of former storage yard areas; AOC recommended	1
	Areas outside of former storage yards: no chemical storage, staining, or spills, and human-health risk below target levels.	No further evaluation	NA
141	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	None based on historical use. No chemical storage, staining, or spills; reported chemical concentrations below residential and industrial screening criteria; and human-health risk below target levels.	No further evaluation for this EBS parcel	NA
150	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	Elevated TPH in soil at adjacent parcel (150B) not fully delineated, and limited analyses performed for samples collected near SWMU GAP 621.	Further evaluation of northeastern corner and SWMU GAP 621; AOC recommended	2
	Outside of area designated for further evaluation: reported chemical concentrations below residential and industrial screening criteria at areas outside of CAA-9A, and human-health risk below target levels.	No further evaluation	NA
	Presence of three additional SWMUs (USTs 584-1 and 584-2 and NAS GAP 04/SWMU 584).	Managed by TPH Program	NA
150B	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	Elevated TPH in soil in northwestern corner not fully delineated; confirmation samples collected over 300 feet away.	Further evaluation of northwestern corner; AOC recommended	2
	Elevated TPH in soil in central portion of parcel not fully delineated.	Further evaluation of central portion; AOC recommended	3

Table ES-1 (continued)

EBS Parcel[a]	Environmental Concern/Conclusion[b]	Navy Recommendation[c]	Area of Concern
150B (cont'd)	Elevated VOCs in groundwater from IR Site 16 in eastern portion of EBS parcel.	Continue to address groundwater as part of IR Site 16 (excluded from SI evaluation)	NA
	Outside of areas designated for further evaluation: reported chemical concentrations were below residential and industrial screening criteria and did not contribute to elevated risk at the parcel.	No further evaluation	NA
	Presence of SWMU AST 620.	Managed by TPH Program	NA
151	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	Elevated TPH in soil in the eastern portion of parcel not fully delineated. TPH as motor oil in soil reported above screening criteria.	Further evaluation of eastern portion; AOC recommended	3
	Elevated detection limits in soil samples collected from former wood-treatment area.	Further evaluation of wood-treatment area; AOC recommended	3
	Elevated VOCs in groundwater from IR Site 16 in eastern portion of EBS parcel.	Continue to address groundwater as part of IR Site 16 (excluded from SI evaluation)	NA
153	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	Elevated TPH in soil at adjacent parcel (150B) not fully delineated.	Further evaluation of southeastern corner; AOC recommended	2
	Elevated VOCs in groundwater from IR Site 9 in northern and western portions of EBS parcel.	Continue to address groundwater as part of IR Site 9 (excluded from SI evaluation)	NA
	Outside of areas designated for further evaluation: no chemical storage or spills and minimal staining; only one B(a)P equivalent concentration was above screening criterion, but by a factor of less than 1.5. Additionally, PAHs were not present above screening criteria in soil across the transfer parcel.	No further evaluation	NA
154	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	Elevated TPH in soil at Building 167 not fully delineated; elevated detection limits for SVOCs and TPH in historical samples; historical aircraft maintenance and washdown activities.	Further evaluation of northern portion (specifically Building 167 and surrounding open space); AOC recommended	4

Table ES-1 (continued)

EBS Parcel[a]	Environmental Concern/Conclusion[b]	Navy Recommendation[c]	Area of Concern
154 (cont'd)	Absence of sampling at two SWMUs (NADEP GAPs 67 and 69).	Further evaluation; AOC recommended	4
	Regulatory agencies are concerned about sediments in the storm sewer segment south of Building 167 that originates in EBS Parcel 154.	Further evaluation of sediment in storm drains; AOC recommended	4
	Potential impacts from historical maintenance and washdown of aircraft and other vehicles that may have occurred near Building 167.	Further evaluation; AOC recommended	4
	Elevated VOCs in groundwater from IR Site 9 in eastern portion of EBS parcel.	Continue to address groundwater as part of IR Site 9 (excluded from SI evaluation)	NA
	Outside of areas designated for further evaluation: reported chemical concentrations were below residential and industrial screening criteria and did not contribute to elevated risk at the parcel.	No further evaluation	NA
	Presence of four additional SWMUs (NADEP GAPs 68, 71, and 72 and NAS GAP 28; sampling results indicate no contamination.	No further evaluation	NA
	Presence of one additional SWMU, AOC 340 (also known as UST 340)	Closed by Water Board	NA
155	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	None based on historical use as a waterfront wharf; potential impact to soil and groundwater is unlikely.	No further evaluation for this EBS parcel	NA
159	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	Possible impact to groundwater as a result of historical aircraft and other vehicle maintenance and washdown activities in southern portion of parcel.	Further evaluation of southern portion; AOC recommended	5
	For area outside locations where historical aircraft maintenance and washdown occurred: none, based on reported chemical concentrations below screening criteria (with one exception, which was only slightly above the residential screening level and did not exceed the industrial screening level) and risk below target risk level.	No further evaluation	NA

Table ES-1 (continued)

EBS Parcel[a]	Environmental Concern/Conclusion[b]	Navy Recommendation[c]	Area of Concern
160	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	None based on historical use; no chemical storage, spills, or staining; potential impact to soil and groundwater is unlikely.	No further evaluation for this EBS parcel	NA
164	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	None based on historical use; no chemical storage, spills, or staining; potential impact to soil and groundwater is unlikely.	No further evaluation for this EBS parcel	NA
199	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	None based on historical use; no chemical storage, spills, or staining; potential impact to soil and groundwater is unlikely.	No further evaluation for this EBS parcel	NA
201	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	None in soil, based on reported chemical concentrations below screening criteria; no chemical storage, spills, or staining; and soil risk below target levels.	No further evaluation	NA
	Elevated VOCs in groundwater from IR Site 9 in eastern portion of EBS parcel.	Continue to address groundwater as part of IR Site 9 (excluded from SI evaluation)	NA
	Presence of two SWMUs (NADEP GAPs 65 and 66).	Closed by DTSC	NA
202	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	For area outside CAA-9A: none based on historical use; no chemical storage, spills, or staining; potential impact to soil and groundwater is unlikely.	No further evaluation	NA
	Potential release of corrosion-inhibiting chemicals that may have been used at SWMU AST 584.	Further evaluation of SWMU AST 584; AOC recommended	6

Table ES-1 (continued)

Notes:

[a] the following EBS parcels contained in Transfer Parcel EDC-12 are in CAA sites:
portions of EBS Parcels 150, 159, and 202 are in CAA-9A
portions of EBS Parcels 138 and 155C are in CAA-11A
portions of EBS Parcels 138, 139, 140, and 155C are in CAA-11B

[b] except where otherwise noted (EBS Parcel 159), all detected chemicals were present at concentrations above both residential and industrial screening levels

[c] the statement "no further evaluation" refers only to the status of the environmental issues at the parcel; status of compliance-related issues (e.g., asbestos, lead-based paint, PCBs) is not known

Acronyms/Abbreviations:

AOC – area of concern
AST – aboveground storage tank
B(a)P – benzo(a)pyrene
CAA – corrective action area
DTSC – (California Environmental Protection Agency) Department of Toxic Substances Control
EBS – environmental baseline survey
EDC – economic development conveyance
GAP – generator accumulation point
IR – Installation Restoration (Program)
NA – not applicable
NADEP – Naval Aviation Depot
NAS – Naval Air Station
PAH – polynuclear aromatic hydrocarbon
PCB – polychlorinated biphenyl
SI – site inspection
SVOC – semivolatile organic compound
SWMU – solid waste management unit
TPH – total petroleum hydrocarbons
UST – underground storage tank
VOC – volatile organic compound
Water Board – San Francisco Bay Regional Water Quality Control Board

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F REPORTING LIMIT/SCREENING CRITERIA COMPARISON TABLES

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B PRELIMINARY REMEDIATION GOALS AND ENVIRONMENTAL SCREENING LEVELS

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ACRONYMS/ABBREVIATIONS

AOC	area of concern
AST	aboveground storage tank
AVGAS	aviation gasoline
B(a)P	benzo(a)pyrene
bgs	below ground surface
BEI	Bechtel Environmental, Inc.
BSU	Bay Sediment Unit
CAA	corrective action area
Cal/EPA	California Environmental Protection Agency
Cal-Modified	Cal/EPA-modified
CD	compact disk
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CLEAN	Comprehensive Long-Term Environmental Action Navy
COPEC	chemical of potential ecological concern
CPT	cone penetrometer test
CSM	conceptual site model
CTO	contract task order
CTR	California Toxics Rule
DTSC	(Cal/EPA) Department of Toxic Substances Control
EBS	environmental baseline survey
EDC	economic development conveyance
EPC	exposure point concentration
ESL	environmental screening level
°F	degrees Fahrenheit
FED	federal agency disposal
FS	feasibility study
FWBZ	first water-bearing zone
GAP	generator accumulation point
HI	hazard index
HQ	hazard quotient
IDW	investigation-derived waste
IR	Installation Restoration (Program)
ISCO	*in situ* chemical oxidation

µg/kg	micrograms per kilogram
MCL	maximum contaminant level
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
mg/m^3	milligrams per cubic meter
MSL	mean sea level
NADEP	Naval Aviation Depot
NAS	Naval Air Station
NFA	no further action
OU	operable unit
PAH	polynuclear aromatic hydrocarbon
PCB	polychlorinated biphenyl
PCE	tetrachloroethene
PE	Professional Engineer
PEP	parcel evaluation plan
PRG	preliminary remediation goal
PWC	(Navy) Public Works Center
RI	remedial investigation
SI	site inspection
SVOC	semivolatile organic compound
SWBZ	second water-bearing zone
SWMU	solid waste management unit
TCA	trichloroethane
TDS	total dissolved solids
TPH	total petroleum hydrocarbons
U.S. EPA	United States Environmental Protection Agency
UST	underground storage tank
VOC	volatile organic compound
Water Board	San Francisco Bay Regional Water Quality Control Board

Section 1
INTRODUCTION

A site inspection (SI) was conducted at former Naval Air Station (NAS) Alameda, now referred to as Alameda Point, in Alameda, California (Figure 1-1) to evaluate current environmental conditions at Transfer Parcel Economic Development Conveyance (EDC)-12. Bechtel Environmental, Inc., prepared this SI Report for the Department of the Navy, Base Realignment and Closure Program Management Office West, under Contract Task Order (CTO)-0085 of the Comprehensive Long-Term Environmental Action Navy 3 Program, Contract No. N68711-95-D-7526. This work is a follow-on to work conducted under CTO-0032, under which a draft SI Report was prepared (BEI 2003).

1.1 PURPOSE

The Navy conforms to the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 120(h) for closing military bases. The Navy seeks concurrence from the United States Environmental Protection Agency (U.S. EPA) that the property is suitable for transfer.

The objective of the SI for Transfer Parcel EDC-12 was to characterize potential environmental contamination in soil and groundwater, estimate any potential human-health risk, and identify the presence of any special-status species and/or potential exposure pathways for ecological receptors. The environmental condition of 15 environmental baseline survey (EBS) parcels wholly or partially contained within Transfer Parcel EDC-12 was included in the evaluation. Results of this evaluation were used to identify areas that may warrant further evaluation.

1.2 REGULATORY CONTEXT AND STATUS OF ALAMEDA POINT

CERCLA Section 120(h)(4) directs federal agencies with jurisdiction over property on which federal government operations are to be terminated to identify parcels of the property ". . . on which no hazardous substances and no petroleum products or their derivatives were known to have been released, or disposed of." The Community Environmental Response Facilitation Act and U.S. EPA guidance (U.S. EPA 1997) refer to such parcels as "uncontaminated." Identification of these parcels is based on an investigation of the property, including requirements set forth in CERCLA Section 120(h)(4)(A). Parcels identified as uncontaminated can be sold or otherwise transferred. However, the ultimate responsibility for assuring that the remedial objectives are met remains with the Navy as the responsible party under CERCLA.

The initial assessment study conducted by the Navy (NEESA 1983) identified 12 sources of potentially hazardous waste at NAS Alameda, 4 of which were recommended for further investigation under the Navy Assessment and Control of Installation Pollutants program. However, the California Environmental Protection Agency (Cal/EPA) Department of Health Services (currently the California Department of Health Services) issued a Remedial Action Order to the Navy in 1988 requiring additional investigations at Alameda Point (DHS 1988). In fulfilling this Remedial Action Order, the Navy

identified 34 sites (Installation Restoration [IR] Program Sites 1 through 35; IR Site 18 was eliminated) as CERCLA/IR sites between 1988 and 2004 (TtEMI 2003a).

In September 1993, the United States Congress and Base Realignment and Closure Commission designated NAS Alameda for closure. NAS Alameda ceased naval operations in April 1997. The Navy is currently in the process of transferring the land to the City of Alameda and to other federal agencies. On July 22, 1999, Alameda Point was placed on the National Priorities List (64 *Federal Register* 140, 39878–39885, Final Rule, July 22, 1999). The Comprehensive Environmental Response, Compensation, and Liability Information System identification number for NAS Alameda is CA2170023236.

1.3 BASE HISTORY

In 1936, Alameda Point was acquired by the Navy; NAS Alameda was operated as an active naval facility from 1940 to 1997. Alameda Point and its two major tenants, the Navy Public Works Center (PWC) and Naval Aviation Depot (NADEP) Alameda, conducted a variety of operations at Alameda Point, including aircraft, engine, gun, and avionics maintenance; engine overhaul and repair; fueling activities; and plating, stripping, and painting activities. The PWC also operated two power plants, a transportation shop, and a pesticide shop at Alameda Point. In addition, the base operated a deepwater port capable of berthing aircraft carriers. The deepwater port was used primarily for minor ship maintenance. The following tenants also occupied Alameda Point during its tenure as an active military base:

- Construction Battalion Unit 416
- Commander Naval Air Force, U.S. Pacific Fleet Material Representative
- Defense Property Disposal Office
- Navy Disease Vector Ecology Control Center
- Alameda Detachment, Explosive Ordnance Disposal Group One
- Marine Air Group 42
- Naval Air Reserve Unit
- Naval Regional Dental Center Branch Clinic
- Naval Regional Medical Center Branch Clinic
- Pacific Fleet Audio-Visual Facility Component
- Shore Intermediate Maintenance Activity
- Supervisor of Shipbuilding, Conversion, and Repair

1.4 TRANSFER PARCEL EDC-12 DESCRIPTION AND HISTORY

Transfer Parcel EDC-12 consists of EBS Parcels 134, 138, 139, 140, 141, 150, 150B, 151, 153, 154, 155, 155C, 159, 160, 164, 199, 201, and 202. The EBS parcels are described in more detail and are shown on the figures in Section 3. This report evaluates

the environmental condition of 15 EBS parcels wholly or partially contained within Transfer Parcel EDC-12 (EBS Parcels 141, 150, 150B, 151, 153, 164, and 199, and portions of EBS Parcels 134, 140, 154, 155, 159, 160, 201, and 202). EBS parcels or portions of EBS parcels located in Transfer Parcel EDC-12 but not evaluated in this SI Report are wholly or partially located within Corrective Action Area (CAA)-9, CAA-11A, or CAA-11B.

CAA-9, CAA-11A and CAA-11B were investigated as part of the Total Petroleum Hydrocarbons (TPH) Program and have undergone remedial activities. Currently, a Field Activity Report and Site Management Plan recommending future groundwater monitoring are being prepared for CAA-11B (Shaw, pers. com. 2006), and a draft No Further Action (NFA) Request has been submitted to regulatory agencies for CAA-9A. Therefore, because CAA-9A has been recommended for closure and monitoring activities are ongoing at the portions of CAA-11A and CAA-11B located within Transfer Parcel EDC-12, evaluations of EBS Parcels 138, 139, and 155C and portions of EBS Parcels 140, 150, 159, and 202 are not included in this SI Report.

Transfer Parcel EDC-12 is located in the southeastern portion of Alameda Point immediately southeast of Seaplane Lagoon (Figure 1-2). The transfer parcel is defined by Transfer Parcel EDC-10 to the north; Transfer Parcels EDC-10 and EDC-11 to the east; Transfer Parcel EDC-17, Transfer Parcel Terminal-1, and San Francisco Bay to the south; and Seaplane Lagoon to the west. Figure 1-3 shows Transfer Parcel EDC-12 and these adjacent areas.

Several IR sites are located adjacent to or within Transfer Parcel EDC-12.

- IR Sites 4, 11, and 21 are along the northern boundary of Transfer Parcel EDC-12.
- IR Sites 9, 13, 16, 19, and 23 are along the eastern boundary of Transfer Parcel EDC-12.
- IR Sites 17 and 24 are in Seaplane Lagoon, along the western boundary of Transfer Parcel EDC-12.
- IR Site 27 is surrounded on the north, east, and south by Transfer Parcel EDC-12.

Transfer Parcel EDC-12 is approximately 54 acres in area, of which 75 percent is open space (mostly paved areas with no buildings present). Historical use of this transfer parcel by the Navy was industrial and included material, fuel, and aircraft storage; aircraft maintenance; and utility supply (air and steam plant).

1.5 REPORT ORGANIZATION

This SI Report is organized into the following sections and appendices.

- Section 1 discusses the history of NAS Alameda and Transfer Parcel EDC-12.
- Section 2 describes the environmental setting of Alameda Point.

- Section 3 summarizes previous investigations conducted at Transfer Parcel EDC-12 and provides a detailed description of the historical activities that occurred in Transfer Parcel EDC-12.
- Section 4 summarizes analytical data results used for this SI Report.
- Section 5 provides the screening-level human-health risk evaluation for Transfer Parcel EDC-12.
- Section 6 presents the ecological evaluation for Transfer Parcel EDC-12.
- Section 7 presents the conclusions and recommendations of the SI Report.
- Section 8 lists references cited in this report.
- Appendix A presents the existing analytical results for samples collected at Transfer Parcel EDC-12.
- Appendix B presents the screening-level human-health risk evaluation results.
- Appendix C discusses field procedures and results of the 2002 polynuclear aromatic hydrocarbon (PAH) sampling activities.
- Appendix D presents the Parcel Evaluation Plans (PEPs) prepared by ERM-West in 1994.
- Appendix E presents the summary tables presented in the 1994 EBS prepared by ERM-West.
- Appendix F provides tables showing where reporting limits exceeded current screening criteria for analytes not reported above detection limits in soil, soil gas, and groundwater.
- Appendix G presents responses to regulatory agency comments on the draft SI Report.
- Attachment A is the draft Solid Waste Management Unit (SWMU) Evaluation Report for Transfer Parcel EDC-12, prepared by SulTech in November 2005.
- Attachment B consists of the regulatory screening criteria used for data comparison in this SI Report.

Section 2
SETTING AND HISTORY

This section presents background information relevant to the Alameda area. An overview of the climate, topography, geology, hydrogeology, fill placement history, and ecology of Alameda Island is included.

2.1 CLIMATE

The San Francisco Bay area is characterized by a Mediterranean climate with mild summer and winter temperatures. The mean annual precipitation on Alameda Island is 23 inches, with most of the precipitation occurring from October to April. Mean yearly low and high temperatures are 52 degrees Fahrenheit (°F) and 67 °F, respectively. The wind direction is predominantly from the west or northwest, with rare occurrences of gale force or greater winds. Heavy fog that sometimes impairs visibility for navigation occurs an average of 21 days per year (NWS 2001). Table 2-1 summarizes maximum and minimum monthly temperatures and average rainfall totals for Alameda Island.

2.2 TOPOGRAPHY

Alameda Island lies at the base of a gently westward-sloping plain that extends from the Oakland-Berkeley Hills in the east to the shore of San Francisco Bay in the west. Alameda Island is characterized by a low topographic profile, with surface elevations varying from mean sea level (MSL) to approximately 30 feet above MSL (Figure 2-1). Alameda Point is located on the western portion of Alameda Island (Figure 1-1). Transfer Parcel EDC-12 is located in the southeastern portion of Alameda Point immediately east of Seaplane Lagoon. The topography of Transfer Parcel EDC-12 is primarily flat and rises to approximately 10 feet above MSL.

2.3 GEOLOGY

Alameda Island is located in the eastern portion of San Francisco Bay. The bay occupies a depression between the Berkeley Hills to the east and the Montara and Coast Ranges to the west. The depression and hills were formed by two active faults, the San Andreas Fault, west of San Francisco Bay, and the Hayward Fault, east of the San Francisco Bay. The San Andreas and Hayward Faults are approximately 12 miles west and 5 miles east of the island, respectively.

The stratigraphy beneath Alameda Island and San Francisco Bay consists of unconsolidated sediment that is approximately 400 to 500 feet thick at the eastern margin of the bay.

2.3.1 Alameda Island Geology

Alameda Island sedimentary deposits consist of five units (Figure 2-2). From oldest to youngest, they are the Franciscan Formation, the Alameda Formation (alluvial deposits and upper clay-rich portion), the San Antonio Formation (lower and upper units), the Merritt Sand Formation, and the Bay Sediment Unit (BSU). These sediments overlie bedrock consisting of metamorphosed sandstone, siltstone, shale, graywacke, and igneous

bedrock of Jurassic to Cretaceous age, all of which represent the Franciscan Formation (Rogers and Figuers 1991).

Most of the sedimentary deposits at Alameda Point are overlain by fill material. Fill material thickness generally decreases from west to east across Alameda Point. Up to 40 feet of fill soil is present at the western margin of Alameda Point, where offshore areas were filled to create new land. As little as 3 to 5 feet of fill soil is present at the eastern margin of Alameda Point, where tidal marshes and estuarine channels were filled. The fill material is predominantly poorly graded, fine- to medium-grained sand with silt and clay.

In the eastern portion of Alameda Point, a Marsh Crust Horizon (2 to 6 inches thick) exists just beneath the fill layer and overlies the BSU. The Marsh Crust Horizon contains elevated levels of petroleum-related chemicals, including volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs). A Remedial Action Plan/Record of Decision was prepared for the Marsh Crust Horizon and was signed and approved by the Department of the Navy, U.S. EPA, and Cal/EPA (DON 2001a).

The BSU, which underlies the Marsh Crust Horizon, includes an upper and a lower unit. The upper unit is referred to as the Young Bay Mud, which consists of an estuarine deposit of stiff, dark, olive-gray clay with discontinuous silty and clayey sand layers. The lower unit consists of estuarine deposits of silty sand with interbedded layers of fine sand.

The BSU overlies the Merritt Sand Formation, which is composed of a brown, poorly graded, fine- to medium-grained sand. The Merritt Sand Formation overlies the San Antonio Formation, which comprises an upper and a lower unit. The upper unit is composed of alluvial deposits, and the lower unit is composed of estuarine deposits. The Yerba Buena Mud is the uppermost member of the lower San Antonio Formation estuarine deposits. The San Antonio Formation is underlain by the Alameda Formation, which comprises an upper and a lower unit. The upper unit is composed of clay-rich deposits, and the lower portion is composed of alluvial deposits. The Alameda Formation overlies the Franciscan Formation.

2.3.2 Transfer Parcel EDC-12 Geology

The fill layer at Transfer Parcel EDC-12 was observed in borings drilled from the ground surface to depths of 8 to 9 feet below ground surface (bgs). From descriptions in the boring logs (Appendix C), fill material included fine- to coarse-grained sands, sand with gravel, and clays. The Young Bay Mud was not encountered beneath Transfer Parcel EDC-12. The Marsh Crust Horizon was not visually observed in the soil borings advanced at Transfer Parcel EDC-12, although it is considered to be potentially present beneath the northernmost portion of the transfer parcel.

2.4 HYDROGEOLOGY

The following subsections discuss the regional hydrogeology at Alameda Point and the site-specific hydrogeology at Transfer Parcel EDC-12.

2.4.1 Regional Hydrogeology

Alameda Island is underlain by two primary aquifers: the shallow Merritt Sand aquifer, which yields very saline water (20,000 to 35,000 milligrams per liter [mg/L]), and the deeper Alameda aquifer, which yields freshwater (TtEMI 2000b). These aquifers are separated by the San Antonio aquitard, which is approximately 55 to 90 feet thick and has three units:

- Yerba Buena Mud
- other estuarine deposits
- the upper clay-rich portion of the Alameda Formation

The Merritt Sand Formation is a semiconfined aquifer with potentiometric head elevations from 0 to 6 feet above MSL at Alameda Island (TtEMI 1999). Regionally, groundwater recharge occurs at outcrop areas of the Merritt Sand located in the southeastern portion of Alameda Point, as well as east of Alameda Point. This groundwater recharge is from irrigation, precipitation, and possibly leaking water-supply lines, sewer lines, and storm drains (TtEMI 1999). There is no hydraulic communication between the shallow aquifer systems on Alameda Island and the Oakland mainland because of the barrier created by the Oakland Inner Harbor (TtEMI 1999).

The Alameda aquifer is the principal regional aquifer. Depth to the top of the Alameda aquifer ranges from 180 feet bgs at Alameda Point to 220 feet beneath the surface of the sediment in Oakland Inner Harbor. The thickness of the Alameda Formation is between 230 and 800 feet (Hickenbottom and Muir 1988).

The first water-bearing zone (FWBZ) occurs primarily in the fill material (where present), the Merritt Sand Formation, and the underlying Upper San Antonio Formation in the southeastern portion of Alameda Point. In this area, the FWBZ extends vertically to the top of the Yerba Buena Mud (Lower San Antonio Formation), which acts as a confining layer below the FWBZ. Throughout Alameda Point, the second water-bearing zone (SWBZ) is a semiconfined and unconfined aquifer that occurs within the Merritt Sand and the Upper San Antonio Formation. The SWBZ is found only in the portions of Alameda Point where the overlying BSU is present and where it consists of low-permeability materials, allowing the BSU to act as a confining unit for the SWBZ. The SWBZ extends to the top of the Yerba Buena Mud, which functions as a confining unit below the SWBZ. The SWBZ is present near the shoreline in the southeastern portion of Alameda Point.

2.4.2 Alameda Point and Transfer Parcel EDC-12 Hydrogeology

There are no naturally occurring streams at Alameda Point, and the only naturally occurring ponds are at the southwestern end of the island (IR Site 2). Therefore, precipitation primarily evaporates into the atmosphere, runs off through the storm drain network, or infiltrates to groundwater.

Previous studies indicated that the groundwater table across Alameda Point is encountered at depths of 3 to 8 feet bgs within the fill layer. Groundwater recharge

occurs from infiltrating precipitation over unpaved areas in Alameda Point. Groundwater generally flows to the west-southwest in the southeastern portion of Alameda Point. Groundwater elevation and potentiometric surface maps for the FWBZ and SWBZ, which were prepared as part of the basewide groundwater monitoring program using data from fall 2006 (ITSI 2007), are the basis for the approximate groundwater flow direction shown by arrows on the figures in this SI Report.

During the 2002 PAH investigation at Transfer Parcel EDC-12, depth to groundwater ranged from 4 to 8.5 feet bgs (0.5 to 6.2 feet above MSL) and was encountered in 25 of the 33 borings advanced at this transfer parcel (BEI 2003); depth to groundwater exceeded the maximum depth of the borings in the remaining 8 boring locations. Boring logs presented in the PAH Field Activity Summary (Appendix C) document these subsurface conditions.

In the southeastern portion of Alameda Point, the BSU does not occur as a continuous layer and the FWBZ occurs primarily in the fill soil. The fill layer, the Merritt Sand Formation, and the underlying Upper San Antonio Formation extend to 80 feet bgs (Hickenbottom and Muir 1998, TtEMI 1999). The proximity to San Francisco Bay contributes to the presence of salt water in the aquifer. Groundwater collected at 30 to 70 feet bgs from wells in Transfer Parcel EDC-12 has been found to have elevated salinity, with total dissolved solids (TDS) concentrations exceeding 10,000 mg/L (TtEMI 2000b). Therefore, groundwater in deeper portions of the FWBZ at Transfer Parcel EDC-12 (below 20 to 30 feet bgs) is generally more saline than the shallower portions (10 to 20 feet bgs). Typical TDS levels for the shallow FWBZ inland from the shoreline with San Francisco Bay are 300 to 1,000 mg/L (freshwater). At locations less than 200 feet from the shoreline, TDS values are generally greater than 1,000 mg/L and may approach levels found in seawater (35,000 mg/L) (TtEMI 2000b, BEI 2005). The SWBZ, as characterized in the central and western portions of Alameda Point, does not exist in the southeastern area that includes Transfer Parcel EDC-12.

2.4.3 Groundwater Use and Potential Beneficial Use

The California State Water Resources Control Board currently classifies groundwater beneath Alameda Point as potentially suitable for municipal or domestic water supply, irrigation, agricultural supply, and industrial supply. A determination of beneficial uses of groundwater for Alameda Point concluded that groundwater in the southeastern region of Alameda Point (including that which underlies Transfer Parcel EDC-12) is a Class II aquifer (TtEMI 2000b). Class I groundwater is an irreplaceable source of drinking water or is ecologically vital. Class II groundwater is considered a current or potential source of drinking water and water that has other beneficial uses (U.S. EPA 1986).

2.5 FILL HISTORY OF ALAMEDA ISLAND

Before 1850, the peninsula of Alameda contained approximately 2,200 acres of high ground and approximately 1,000 acres of marshland. The peninsula measured approximately 4.5 by 1.5 miles and consisted of the eastern portion of what is now Alameda Island. Alameda Island is now three times its original size because of fill

projects conducted between 1871 and 1961. The general trend of fill events was to initially fill areas north of Atlantic Avenue, and then to fill areas west of Main Street (Figure 2-3). Currently, Alameda Island is approximately 6,912 acres of dry land (Valeska, pers. com. 2001).

In 1930, the U.S. Army acquired the western portion of Alameda Island, now referred to as Alameda Point (Figure 1-1), and began construction activities in 1931. In 1936, the Navy acquired the land from the U.S. Army and began building NAS Alameda. The U.S. Army and Navy construction activities both involved filling tidelands, marshes, and sloughs between Oakland Inner Harbor and the western edge of Alameda Island. The fill material largely consisted of dredge spoils from the surrounding San Francisco Bay and Oakland Inner Harbor. After 1941, the Navy acquired additional land, extending the western edge of the base.

Transfer Parcel EDC-12 is located on made land that was initially filled between 1936 and 1945 during a fill event that involved the pumping of sand from San Francisco Bay to fill large portions of NAS Alameda (Merlin 1977, Vigness 1952). The southern portion of Transfer Parcel EDC-12 was filled between 1945 and 1949 (Oakland Board of Port Commissioners 1945, USGS 1949).

2.6 ECOLOGICAL SETTING

The following ecological habitats are known to occur in the vicinity of Alameda Point.

- Barren habitat occurs as bare soil, buildings, roads, parking areas, and runways.
- Urban habitat occurs as grass lawns, ornamental shrubs, trees, and landscaped areas.
- Annual grassland habitat occurs throughout Alameda Point.
- Coastal scrub habitat occurs between the annual grassland habitat and the saline emergent wetland habitat at the West Beach Landfill Wetland and the Runway Wetland.
- Saline emergent wetland habitat occurs at the West Beach Landfill Wetland and the Runway Wetland.
- Estuarine habitat occurs at Oakland Inner Harbor to the north of Alameda Point, at Seaplane Lagoon, and at San Francisco Bay to the south of Alameda Point.

At Transfer Parcel EDC-12, only barren and urban habitats currently exist. According to the Alameda Point General Plan (LSA 2002), the Transfer Parcel EDC-12 area is designated as the "marina district" and future use is described as "mixed use," including commercial, industrial, residential, and recreational uses. If the site is used in the future as described in the General Plan, there would be no potential future ecological exposures. A detailed evaluation of ecological conditions at Alameda Point and Transfer Parcel EDC-12 is presented in Section 6.

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Section 3
INVESTIGATIONS CONDUCTED AT TRANSFER PARCEL EDC-12

The following environmental studies have been conducted within the boundary of Transfer Parcel EDC-12:

- Remedial Investigation (RI)/Feasibility Study (FS) Sampling Plan for NAS Alameda (Canonie 1990)
- Data Summary Report RI/FS, Phases 1 and 2A (PRC and Montgomery Watson 1993)
- EBS Report (ERM-West 1994a)
- PEPs (ERM-West 1994b)
- RI/FS Data Transmittal Memorandum, Sites 1, 2, 3, Runway Areas 6, 7A, 7B, 7C, 9, 10B, 11, 13, 15, 16, and 19 (PRC and Montgomery Watson 1996)
- Operable Unit (OU)-2 RI Report (TtEMI 1999)
- Underground Storage Tank (UST) Summary Report (TtEMI 2000a)
- Storm Sewer Study Report (TtEMI 2000c)
- EBS Data Evaluation Summary (IT 2001)
- Storm Sewer Study Report, TPH Addendum (TtEMI 2001a)
- Summary Report, Data Gap Investigation at CAAs (TtEMI 2001b)
- Data Summary Report, Supplemental RI Data Gap Sampling for OUs 1 and 2 (TtEMI 2002b)
- Basewide Groundwater Monitoring Report (Shaw 2004c)
- Field Summary Report for the *In Situ* Chemical Oxidation (ISCO) Pilot Test at IR Site 9, Intermediate (Shaw 2003)
- Field Activity Report Assessment of PAH Contamination at Selected CERCLA Sites and EBS Parcels (BEI 2004b)
- Petroleum Aboveground Storage Tank (AST) Assessment and Closure Request (SulTech 2004)
- Fall/Winter 2004 Groundwater Monitoring Report (ITSI 2005)
- Final Field Sampling Plan/Quality Assurance Project Plan Verification Soil and Soil Vapor Sampling at CAA-11 (Shaw 2005c)
- Final Field Sampling Report Addendum for the Expanded ISCO Pilot Test at IR Site 9, Intermediate (Shaw 2005b)
- Full Scale ISCO Removal Action at IR Site 16 (Shaw 2005a)
- SWMU Evaluation Report for EDC Parcel 12 (SulTech 2005)
- Fall 2006 Groundwater Monitoring Report (ITSI 2007)

With the exception of the PAH study that addressed Transfer Parcel EDC-12 as a whole, the studies focused on specific environmental concerns within Transfer Parcel EDC-12.

Section 3.1 presents general information about the environmental investigations reported in the above studies. Section 3.1 also includes discussions of activities conducted at IR Sites 9 and 16, which are adjacent to the eastern border of Transfer Parcel EDC-12. Section 3.2 provides detailed information about the historical uses and analytical results of the investigations on a parcel-by-parcel basis for each EBS parcel within Transfer Parcel EDC-12. Section 3.3 presents information on the historical uses and analytical results of investigations related to SWMUs, including USTs and ASTs currently or historically present within Transfer Parcel EDC-12.

In addition to the above studies, a review of aerial photographs was conducted during preparation of this SI Report in response to regulatory agency comments on the draft SI Report and to supplement the aerial photograph review conducted during the EBS. Aerial photographs dated between the 1930 and 1994 were reviewed. Significant findings of this review are presented in Section 3.1.11.

Samples collected at Transfer Parcel EDC-12 and submitted for analyses during previous investigations included 432 soil samples, 6 soil gas samples, 7 manhole sediment samples, and 100 groundwater samples. Nine monitoring wells are present at the transfer parcel. The type and number of samples collected are as follows:

- soil: 387 primary, 25 confirmation, and 20 duplicate
- soil gas: 6
- manhole sediment: 5 primary and 2 duplicate
- groundwater: 84 discrete, 13 monitoring well, and 3 duplicate

Detailed information on the samples collected, analytical suites, and results for Transfer Parcel EDC-12 is presented in Sections 3.2 and 3.3.

3.1 PREVIOUS INVESTIGATIONS AT TRANSFER PARCEL EDC-12

This subsection summarizes the environmental investigations that have been conducted within the boundary of Transfer Parcel EDC-12. Analytical results from these investigations are discussed in Sections 3.2 and 3.3.

3.1.1 Environmental Baseline Survey Investigation

In 1993, the EBS program was initiated at Alameda Point to facilitate property transfer. Initially, the property was divided into 214 EBS parcels. Subsequently, six of these parcels were determined to be on Fleet and Industrial Supply Center, Alameda Annex, property, leaving 208 EBS parcels at Alameda Point. A portion of the Todd Shipyards was later added to the Alameda EBS program, resulting in a total of 209 EBS parcels. Subsequent to the completion of the EBS, 53 EBS parcels were divided into subparcels and assigned alphanumeric identifiers (e.g., a portion of EBS Parcel 155 became EBS Parcel 155C).

Figure 3-1 identifies the 18 EBS parcels located within the boundary of Transfer Parcel EDC-12 (EBS Parcels 134, 138, 139, 140, 141, 150, 150B, 151, 153, 154, 155, 155C, 159, 160, 164, 199, 201, and 202). EBS Parcels 138, 139, and 155C, and portions of EBS Parcels 140, 150, 159, and 202 are currently (or have previously been) evaluated as portions of a petroleum remediation site (e.g., CAA-9A, CAA-11A, and CAA-11B). Additionally, groundwater in two areas within the transfer parcel is currently included in remedial actions being conducted at adjacent IR sites, including IR Sites 9 and 16; portions of EBS Parcels 150B, 151, 153, 154, and 201 are included in these investigation areas.

Table 3-1 lists buildings and structures within or formerly within Transfer Parcel EDC-12, their construction and demolition dates (if available), and the reported uses of buildings, structures, and open space. Figure 3-2 shows the EBS parcels, buildings, structures, open space, and potential subsurface conduits within the boundary of Transfer Parcel EDC-12.

The EBS investigation was implemented in two phases. Phase 1 provided an assessment of the environmental impacts due to base operations and included site visits, employee interviews, historical research, and a property inventory on a parcel-by-parcel basis (ERM-West 1994a).

Based on the results of the Phase 1 analysis, Phase 2 was conducted to further examine the potential environmental impacts at Alameda Point; this phase included the collection of environmental samples. Potential impacts were identified as either "parcel-specific target areas," which identified potential impacts from site-specific uses, or "zonewide target areas," which identified potential impacts from activities occurring basewide (e.g., use of pesticides or presence of a railroad). Potential impacts from sewer systems (sanitary, storm, and industrial) were also identified. Phase 2 was conducted in two subphases: 2A and 2B (IT 2001). Activities conducted during these subphases were as follows:

- Phase 2A – collection of soil samples from selected parcels (parcel-specific, zonewide, and sewer-related target areas)
- Phase 2B – collection of groundwater samples and additional soil samples from selected parcels

3.1.2 Parcel Evaluation Plans

In 1994 and 1995, ERM-West prepared PEPs as supplements to the original EBS (ERM-West 1994b). The PEPs were prepared for each EBS parcel and included findings from Phase 1 of the EBS (e.g., a summary of the historical use of the parcels and results of the EBS inspection). The PEPs also proposed sampling to address potential contamination. The PEPs are included as Appendix D of this report and are summarized in Section 3.2.

3.1.3 Total Petroleum Hydrocarbons Program

Transfer Parcel EDC-12 includes CAA-9A, a large portion of CAA-11B, and a small portion of CAA-11A. Additionally, two SWMU sites (Area of Concern [AOC] 340

located in EBS Parcel 154, and AST 620 located in EBS Parcel 150B) outside the CAAs but within Transfer Parcel EDC-12 were recommended for inclusion in the TPH Program. These CAAs and SWMU locations are discussed below. The SWMUs that are ASTs and USTs are discussed in greater detail in Section 3.3.

CAA-9A is located in the southern portion of Transfer Parcel EDC-12 and includes portions of EBS Parcels 150, 159, and 202. The CAA includes a portion of one building (Building 584) historically used as an air compression and steam facility. CAA-9A also historically had three condensation towers, boilers, one wastewater AST (AST 584), two USTs (584-1 and 584-2), and NAS generator accumulation point (GAP) 04/SWMU 584.

CAA-11A and CAA-11B are part of a former fuel storage area (Area 37), a secondary containment area (Structure 598), and former fuel lines east of Seaplane Lagoon. Thirty USTs/ASTs with capacities from 600 to 25,000 gallons were located in Area 37. Area 37 refers to the general area surrounding the USTs/ASTs; an exact boundary has not been established.

A small portion of CAA-11A is included within the Transfer Parcel EDC-12 boundary and consists of the northern portions of EBS Parcels 138 and 155C. The portion of CAA-11A included within Transfer Parcel EDC-12 was historically open space and formerly contained fuel lines that carried fuel from Building 14 (an engine test cell facility) to various fueling areas, including Piers 1 through 3.

CAA-11B is in the northern portion of Transfer Parcel EDC-12 and includes a small area outside the transfer parcel boundary to the north. The portion of CAA-11B within Transfer Parcel EDC-12 consists of EBS Parcel 138 and portions of EBS Parcels 139, 140, and 155C. CAA-11B was historically used for engine testing, support facilities, and storage of fuels and other substances (e.g., diesel fuel, jet propellant grade 5, motor oil, lubricants, nonhalogenated and halogenated organic chemicals, beryllium, and mercury). These chemicals were primarily stored in USTs and ASTs. The fuel lines formerly located within CAA-11B have been removed (TtEMI 2001b).

AOC 340 (UST 340), located within EBS Parcel 154, was historically used to store diesel fuel, and was closed by the San Francisco Bay Regional Water Quality Control Board (Water Board) in 1999 (TtEMI 2000a, SulTech 2005). AST 620, located in EBS Parcel 150B, was historically used to store gasoline and was recommended for NFA in 2004 (SulTech 2004).

3.1.3.1 DATA GAP INVESTIGATION AT CAA-9A

In 1995, during the EBS Phase 1 and Phase 2 investigations, elevated concentrations of TPH were reported in groundwater samples collected near former USTs 584-1 and 584-2 in EBS Parcel 150. Reported concentrations indicated that floating product may have been present in the vicinity of the USTs (ERM-West 1994b). In 1999, additional groundwater samples were collected from wells located near the former USTs; however, no floating product was reported (TtEMI 2001b).

In 2000, a data gap investigation was conducted at CAAs and other locations to address data gaps from Phases 2A and 2B of the EBS and to comply with Water Board guidance

for closure of low-risk fuel sites (TtEMI 2001b). As part of this investigation, groundwater samples were collected near the storm drains located west of Building 584. Samples were collected to address concerns about the storm sewer system, which is discussed further in Section 3.1.5.

In January 2002, the Navy sent a draft NFA request to the regulatory agencies for CAA-9A. No additional information is available.

3.1.3.2 DATA GAP INVESTIGATION AT CAA-11A AND CAA-11B

Initially, CAA-11A and CAA-11B were grouped as a single area, CAA-11. Subsequently, CAA-11 was subdivided into CAA-11A and CAA-11B. CAA-11B incorporates the majority of the sampling locations from previous investigations conducted at CAA-11. Seven investigations were conducted at CAA-11B between 1996 and 2001. Tank removal activities were performed between 1995 and 1996, and the fuel lines were removed in 1996 (TtEMI 2001b). Most of the USTs were observed to be in good condition with few holes. Soil contamination was visible on the sidewalls of the excavations. Soil was overexcavated and additional soil samples were collected. Specific information on the extent of overexcavation, number of samples, and sampling results is not available. TPH concentrations in groundwater samples collected during the excavation indicated that floating product may have been present and that a plume may intersect the storm drains (TtEMI 2001b). No floating product was encountered during groundwater monitoring activities conducted at ten monitoring wells within CAA-11B (TtEMI 2001b). During fuel line removal activities, elevated concentrations of TPH were present in confirmation groundwater samples collected east of Seaplane Lagoon in EBS Parcel 138.

In 2000, a data gap investigation was conducted at CAA-11A and CAA-11B to assess the possible groundwater contamination at former UST locations, which are adjacent to former fuel lines and near a storm drain (TtEMI 2001b). As part of this investigation, soil borings and piezometers were installed and checked for floating product. No floating product was present, and TPH concentrations were reported below the screening criteria used in this investigation. Groundwater samples collected along the former fuel line had TPH concentrations above the screening criteria. Water samples were not collected from the storm drain system because there was no flow at the outfall. Water in the catch basins was not noted to have a hydrocarbon odor or sheen (TtEMI 2001b).

To remediate dissolved-phase petroleum hydrocarbons, biosparging activities were conducted at CAA-11A and CAA-11B from March 2003 through September 2004 (Shaw 2005c). After biosparging activities were terminated, soil and soil vapor samples were collected beneath Area 37 (CAA-11A and CAA-11B are a portion of Area 37) to assess the effectiveness of the biosparge system. A Field Activity Report and Site Management Plan recommending future groundwater monitoring are currently being prepared (Shaw, pers. com. 2006).

3.1.4 NAS Alameda Remedial Investigation/Feasibility Study

In 1988, a Remedial Action Order issued by the California Department of Health Services (now the Cal/EPA Department of Toxic Substances Control [DTSC]) required the Navy to perform an RI and FS at 20 of the current 34 IR sites at NAS Alameda. The RI/FS was conducted in eight phases, beginning with field investigations and data summary reports for all 20 sites (Phases 1, 2A, 2B, and 3) followed by ecological assessments in Phase 4 and solid waste water quality assessment test investigations in Phases 5 and 6. Phases 7 and 8 are the RI and FS reports for all sites, respectively (PRC and Montgomery Watson 1993, 1996).

3.1.4.1 DATA SUMMARY REPORT RI/FS PHASES 1 AND 2A

Environmental samples were collected from IR Site 9 (adjacent to Transfer Parcel EDC-12) by Canonie Environmental Services, Inc., in 1990, as required by the 1988 DTSC remedial action order. During the IR Site 9 investigations, a monitoring well (MW410-3) was installed south of IR Site 9, within Transfer Parcel EDC-12. IR Site 9 consists of Building 410, a former aircraft paint-stripping operation that discharged wastes directly into the industrial wastewater system without treatment. The wastewater included oil, paint, paint skins, detergent, and paint stripper (Canonie 1990).

3.1.4.2 RI/FS STUDY PHASES 2A, 2B, 3, 5, AND 6

In 1996, PRC Environmental Management, Inc., and Montgomery Watson conducted a follow-on investigation to locate USTs, assess the integrity of some drain lines, and/or collect additional chemical, geologic, and hydrogeologic data at IR sites where data gaps existed from previous studies. HydroPunch samples were collected to assist in the placement of monitoring wells in the first and second water-bearing zones. Monitoring wells were installed in the first and second water-bearing zones. Soil samples were collected during monitoring well installation. At Transfer Parcel EDC-12, one soil boring and one HydroPunch boring were advanced; a sediment sample was also collected and monitoring well MW410-3 was sampled (PRC and Montgomery Watson 1996).

3.1.4.3 DATA GAP RI/FS STUDY AT OU-1 AND OU-2

During regulatory review of the draft FS Report for OU-1 and the draft RI Report for OU-2, data gaps were identified at areas included within Transfer Parcel EDC-12. In 2002, Tetra Tech EM Inc. conducted a supplemental RI investigation, including the collection of 69 samples at 21 locations in Transfer Parcel EDC-12 to fill the data gaps (TtEMI 2002b). The data gaps were classified into four categories:

- data gaps identified in regulatory agency comments on the OU-1 FS and OU-2 RI
- sources recommended in the EBS for additional sampling under the IR Program
- non-time-critical removal actions proposed by the Navy to address data gaps for soil and groundwater contamination at OU-1 and OU-2 sites
- groundwater plumes at several sites that had not been sufficiently delineated

3.1.5 Storm Sewer Investigations

The storm sewer system and its surrounding backfill material at Alameda Point may function as a preferential pathway for migration of chemicals. Cracks and leaks in the storm sewer may also potentially lead to infiltration of contaminated groundwater when the pipelines run through areas of known groundwater contamination, thus resulting in subsequent transport to San Francisco Bay. The Navy has investigated the condition of the storm sewer system to assess the potential for infiltration of groundwater and transfer to the bay.

Storm sewer segments within Transfer Parcel EDC-12 lead to one of eight outfalls (Outfalls I through P) along San Francisco Bay, as shown on Figure 3-2 (TtEMI 2000c). Outfalls I through N empty directly from Transfer Parcel EDC-12 into the bay. Other segments of the storm sewer network are located in Transfer Parcel EDC-12, but the outfalls (Outfalls O and P) empty into San Francisco Bay from Transfer Parcel EDC-17.

A series of storm-sewer-related investigations was conducted by the Navy at Transfer Parcel EDC-12 and included the following activities:

- removal of sediment from storm sewer segments
- use of closed-circuit television to identify cracks, offset joints, and resulting areas of groundwater infiltration
- identification of areas where TPH contamination in shallow groundwater had the potential for infiltrating into cracked or offset storm sewer segments

The condition of storm sewer pipeline segments within Transfer Parcel EDC-12 was assessed, and the majority of them were determined to be "sound." However, two storm sewer segments located in EBS Parcel 138 (northern portion of Transfer Parcel EDC-12) that run through IR Site 27 and discharge to Outfall I were assessed as "condition unknown." Also assessed as "condition unknown" was a small segment of pipeline near the northern edge of EBS Parcel 154 near NADEP GAP 67 that discharges to Outfall J (south) (TtEMI 2000c). Since these "condition unknown" segments of storm sewer pipeline were in areas of known groundwater contamination, they were considered data gaps (TtEMI 2001a). The data gaps were addressed with the collection of additional samples as described in the Data Gap Summary Report (Section 3.1.3.1) (TtEMI 2001b). This report recommended NFA for the storm sewer lines within Transfer Parcel EDC-12.

3.1.6 Basewide Groundwater Monitoring Program

A basewide groundwater monitoring program was implemented in 2002 and is ongoing at Alameda Point (Shaw 2004c). The purpose of the program is to inventory, assess, and evaluate the adequacy of the current monitoring well network and to evaluate groundwater quality at Alameda Point. Five of the monitoring wells included in the basewide groundwater monitoring program are located in Transfer Parcel EDC-12. Only the most recent data for each analyte (ITSI 2007) collected as part of the basewide groundwater monitoring program from the five wells were included in this report.

3.1.7 *In Situ* Chemical Oxidation Pilot-Scale Test at IR Site 9

In 2003, Shaw Environmental, Inc., on behalf of the Navy, conducted an ISCO pilot-scale test on soil and groundwater in the vicinity of Building 410, a former aircraft stripping facility located at IR Site 9 (adjacent to Transfer Parcel EDC-12). Activities formerly conducted inside the building included aircraft stripping and cleaning, and corrosion control. These activities involved the storage, use, or generation of chemicals and wastes including oils, paints, paint strippers, detergents, and wastewater containing chromium, phenols, and methylene chloride. Three abandoned ASTs were identified north of Building 410, including two 10,000-gallon tanks reportedly containing phenol and methylene chloride and one 1,500-gallon tank of unknown contents.

Prior to the pilot-scale test, RIs conducted at the site indicated elevated concentrations of VOCs, PAHs, SVOCs, and fuel components beneath Building 410 (TtEMI 1999). Contamination was attributed to discharge of chlorinated hydrocarbons into drains that were directly connected to the storm sewer system east of the building (Shaw 2005b).

As part of the initial pilot-scale test, sampling was performed at shallow (5 to 15 feet bgs) and intermediate (23 to 43 feet bgs) depths near Building 410. The intermediate depth interval sampling location was west of Building 410, within the boundary of Transfer Parcel EDC-12; the shallow depth interval sampling location was east of Building 410 in IR Site 9. The purpose of the pilot-scale test was to assess the oxidation of dissolved-phase chlorinated and aromatic hydrocarbons. Specifically, the tests were designed to evaluate 1) the radial effects after application of oxidants, 2) the effect the oxidant had on soil and groundwater concentrations, and 3) the viability of the technology for full-scale application.

In 2004, the ISCO pilot-scale test at IR Site 9 intermediate depths was repeated, based on the initial pilot-scale test results, which indicated that insufficient reagent had been introduced into the subsurface to detect the radius of influence in the observation wells (Shaw 2004b). Prior to the pilot-scale field test, additional plume characterization data were collected using cone penetrometer test (CPT) and HydroPunch groundwater sampling. Seven HydroPunch borings were advanced to approximately 50 feet bgs in Transfer Parcel EDC-12 and grab groundwater samples were collected from each boring. Four of the HydroPunch locations were later converted to monitoring wells.

Two intermediate zones were targeted between 23 and 43 feet bgs within two discrete intervals: an upper zone (23 to 33 feet bgs) and a lower zone (33 to 43 feet bgs). Groundwater samples were collected for 1 to 2 weeks following the injection activities.

Results indicated that ISCO technology could oxidize dissolved chlorinated solvents at the site, but injection volumes in the upper intermediate zone and pressure increases in the lower intermediate zone caused visible surfacing of the catalyst/oxidating mixture to occur along seams in the nearby concrete (Shaw 2005b).

3.1.8 *In Situ* Chemical Oxidation Removal Action at IR Site 16

A full-scale ISCO removal action was conducted by the Navy at IR Site 16, in an area that includes the eastern portion of EBS Parcel 150B in Transfer Parcel EDC-12

(Shaw 2005a). The objective of this removal action was to reduce the concentrations of VOC chemicals of concern in groundwater in the first water-bearing zone to levels below their respective maximum contaminant levels (MCLs).

A pilot-scale test was conducted just outside the southeastern corner of Transfer Parcel EDC-12 prior to the removal action to determine the effectiveness of the reagents in reducing the contaminant mass. The pilot-scale test results concluded that the reagents appeared to be effective and that a full-scale application of the technology should be applied for the removal action.

Additional plume delineation activities conducted prior to remedial activities included advancing CPT borings to 40 feet bgs and collecting groundwater from co-located HydroPunch borings at 10 feet bgs. Baseline soil samples were collected from depths to 15 feet bgs. Two of the CPT/HydroPunch borings and eight of the soil borings were located in Transfer Parcel EDC-12. Two new monitoring wells installed in Transfer Parcel EDC-12 during plume delineation activities near IR Site 16 are now included in the basewide groundwater monitoring program (Shaw 2005a, ITSI 2007).

The oxidant application consisted of three events during which a catalyst and an oxidant were injected at a series of injection points between December 2003 and May 2004. Post–oxidant injection soil and groundwater samples were collected throughout the removal action area (including seven locations in the southeastern portion of Transfer Parcel EDC-12) in order to monitor the reduction in concentrations of chemicals of concern. Analytical data indicated that the ISCO treatment was successful in reducing dissolved-phase contaminant concentrations in the monitoring wells within the treatment area to below their respective MCLs for target VOC constituents. The greatest reduction in concentrations was observed for dichlorobenzene and chlorobenzene isomers (Shaw 2005a).

3.1.9 Polynuclear Aromatic Hydrocarbon Studies at Alameda Point

In 2002 and 2003, Bechtel Environmental, Inc., conducted two PAH-related investigations that included the collection of soil samples within Transfer Parcel EDC-12. The 2002 investigation was designed to characterize PAH concentrations in fill soil at sites with no known releases. A PAH Field Activity Summary describes the activities and results of the 2002 PAH investigation (BEI 2003). In Transfer Parcel EDC-12, 132 soil samples were collected from 34 soil borings.

A second PAH-specific soil sampling event was conducted at 19 IR sites and 3 EBS parcels at Alameda Point in 2003. The purpose of the investigation was to collect sufficient data to identify possible PAH contamination at the EBS parcels. During this investigation, 882 soil borings were advanced and 3,402 soil samples were collected at IR sites and EBS parcels; however, only 1 boring (adjacent to IR Site 9) was located within the Transfer Parcel EDC-12 boundary. None of the soil samples collected from the borings in Transfer Parcel EDC-12 had reported concentrations of PAHs above the screening criteria (BEI 2004b).

3.1.10 Solid Waste Management Unit Evaluation Report

A total of 19 inactive SWMUs are located in Transfer Parcel EDC-12. The SWMU Evaluation Report (SulTech 2005/Attachment A) was prepared to facilitate appropriate actions for all SWMUs under the appropriate Navy and regulatory programs. The report recommends that petroleum-related SWMUs (nine at Transfer Parcel EDC-12) be addressed under the TPH Program and that non-petroleum-related SWMUs (ten at Transfer Parcel EDC-12) be addressed under the CERCLA program.

The ten SWMUs recommended for the CERCLA program in the SWMU Evaluation Report (SulTech 2005/Attachment A) are currently being evaluated further under the CERCLA program and were recommended for NFA as SWMUs. The recommendations made in the SWMU Evaluation Report were based on an analysis of existing data and historical information. Analytical results were not available for two of the ten SWMUs recommended for NFA. Although no analytical data were collected, NFA was recommended based on the low potential for releases to the subsurface observed by the DTSC and during the EBS (SulTech 2005). Activities to be conducted under CERCLA include complying with any future Resource Conservation and Recovery Act corrective action requirements, conducting assessments of the SWMUs on an ongoing basis to ensure that they are being investigated under the correct program, and obtaining eventual concurrence by DTSC for NFA, pending resolution of each applicable RI report. The nine SWMUs recommended to be addressed under the TPH Program were not evaluated in the SWMU Evaluation Report (SulTech 2005/Attachment A). Additional information for the SWMUs located in Transfer Parcel EDC-12 is presented in Section 3.3.

3.1.11 Supplemental Aerial Photograph Review

An aerial photograph review was conducted during preparation of this draft final SI Report to supplement the aerial photograph review conducted during the EBS and in response to regulatory agency comments on the draft version of this SI Report. Aerial photographs dated between 1930 and 1994 were reviewed.

The findings of the aerial photograph review were generally consistent with the findings documented in the 1994 and 2001 EBS investigations. Aircraft parking was observed in photographs dated between 1947 and 1985 at locations within Transfer Parcel EDC-12. In a photograph dated 1947, aircraft parking was observed at EBS Parcels 150, 150B, 151, 153, 155, 159, 160, 199, 201, and 202. In aerial photographs from 1959, 1963, and 1968, all of these EBS parcels except for 155, 160, and 202 still appeared to be used for aircraft parking. By 1973, aircraft parking was no longer visible at EBS Parcel 150 and appeared to be less prevalent at the remaining EBS parcels, which were also transitioning towards being primarily open space. By 1975, only EBS Parcel 150 had any visible aircraft parking; the aircraft parked in EBS Parcel 150 were last visible in a 1985 aerial photograph. Consistent with the findings of the EBS, significant staining was observed during the aerial photograph review for this SI Report near Buildings 618 and 619 in EBS Parcel 151, in the northern portion of EBS Parcel 153, south of Buildings 166 and 167 in EBS Parcel 154, and along the southern portions of EBS Parcels 159 and 160.

3.2 HISTORICAL USES AND PREVIOUS SAMPLING RESULTS BY EBS PARCEL

The following subsections summarize the historical uses of each EBS parcel in Transfer Parcel EDC-12 and the results of previous sampling at these parcels. SWMUs within Transfer EDC-12, including ASTs and USTs, are discussed more completely in Section 3.3. The information presented is taken largely from the PEPs and 1994 EBS Reports for Alameda Point (Appendices D and E, respectively), the 2001 EBS Report, and the SWMU Evaluation Report (ERM-West 1994a,b; IT 2001; SulTech 2005SulTech 2005/AttachmentA). As part of the work documented in these reports, aerial photographs were reviewed and visual inspections were conducted.

In the following subsections, the term "not reported" means the analytical laboratory did not report concentrations of the analyte above the detection limits. The screening criteria discussed in these subsections are as follows.

- For VOCs, SVOCs (excluding PAHs in soil), pesticides, polychlorinated biphenyls (PCBs), and metals in soil, analytical results were compared to 2004 U.S. EPA Region 9 preliminary remediation goals (PRGs) for residential soil (U.S. EPA 2004). Cal/EPA-modified (Cal-modified) PRGs were also used where available (U.S. EPA 2004). Where concentrations exceeded residential soil PRGs, concentrations were also compared to industrial PRGs. PRGs are risk-based concentrations that are considered by these regulatory agencies to be protective for humans (including sensitive groups) over a lifetime. Regulatory screening criteria are provided in Attachment B.
- For VOCs, SVOCs, pesticides, PCBs, and metals in groundwater, analytical results were compared to MCLs or California MCLs, whichever were lower (DHS 2003). For lead in groundwater, analytical results were compared to the Cal-modified action level for lead. Regulatory screening criteria are provided in Attachment B.
- For VOCs in soil gas, analytical results were compared to residential and industrial land-use environmental screening levels (ESLs) for shallow soil gas (RWQCB 2005). Regulatory screening criteria are provided in Attachment B.
- For TPH, analytical results were compared to ESLs (RWQCB 2005). TPH in soil was compared to ESLs for shallow soil (less than 3 meters [about 10 feet] bgs), and TPH in groundwater was compared to ESLs for locations where groundwater is a potential drinking water source (RWQCB 2003). Where concentrations exceeded residential soil ESLs, concentrations were also compared to industrial ESLs. Regulatory screening criteria are provided in Attachment B.
- For PAHs in soil, benzo(a)pyrene (B[a]P) equivalent concentrations were calculated and compared to the Alameda Point–specific screening criterion for residential use of 620 micrograms per kilogram (µg/kg) (Section 4.3) (DON 2001b).
- For metals, concentrations in soil and groundwater were also compared to background concentrations developed specifically for Alameda Point

(TtEMI 2001d, 2004b) (Tables 3-2 and 3-3). Metals in soil and groundwater were considered to exceed the screening criteria if the concentration was above both the PRG or MCL and the background concentration representing the 95th percentile distribution of the background data sets.

The determination of background concentrations for metals in soil was based on differing fill deposition dates within three geologically similar areas at Alameda Point: the runway and central portion, the southeastern portion, and the far western portion. These areas correspond to the pink, blue, and yellow areas, respectively, designated in the Summary of Background Concentrations in Soil and Groundwater Report (TtEMI 2001d). Transfer Parcel EDC-12 is located in the blue area (southeastern portion). Background metals concentrations for soil are presented in Table 3-2. These concentrations represent the 95th percentile distribution of the background data sets for the blue area (TtEMI 2001d, 2004b).

Background groundwater metals concentrations were also based on the 95th percentile distribution for groundwater data (TtEMI 2001d, 2004b). Groundwater samples were collected from wells located in areas unaffected by IR site activities and within the shallow water-bearing zone. Background metals concentrations in groundwater for Alameda Point are listed in Table 3-3.

3.2.1 EBS Parcel 134

During the 1994 EBS, EBS Parcel 134 originally consisted of both the southern portion of EBS Parcel 134 (located in Transfer Parcel EDC-12) and the northern portion of EBS Parcel 134 (now designated EBS Parcel 134A, located in IR Site 4 outside the Transfer Parcel EDC-12 boundary). Where possible, only information for the portion of EBS Parcel 134 within Transfer Parcel EDC-12 is discussed below.

EBS Parcel 134 consists of open space. The 1994 EBS details the open space of EBS Parcel 134 as historically used for material storage, maintenance equipment parking, paint storage, and vehicle parking. However, storage activities associated with the EBS parcel were most likely located within the portion designated as EBS Parcel 134A, based on the proximity to EBS parcel buildings. EBS Parcel 134 is located over 300 feet away from the building activities conducted at EBS Parcel 134A. No hazardous waste or chemical storage was noted during the 1994 EBS inspection or documented as being historically present in EBS Parcel 134. (However, hazardous waste and chemical storage were noted in the open space located in EBS Parcel 134A.) During the aerial photograph reviews conducted during the 1994 EBS and during the preparation of this SI Report, there was no significant staining observed at the EBS parcel.

During the open space survey conducted during the 1994 EBS, an oily stain approximately 4 by 5 feet was observed beneath a forklift parked south of Building 170. Additionally, minor stains associated with vehicle parking were noted.

Based on the absence of chemical storage and significant staining, no parcel-specific target areas were identified in EBS Parcel 134; therefore, no samples were collected.

3.2.2 EBS Parcel 138

During the 1994 EBS, EBS Parcel 138 originally consisted of the central portion of EBS Parcel 138 (currently designated EBS Parcel 138) and the northern and southern portions of EBS Parcel 138 (currently designated EBS Parcels 138A and 138B located outside the Transfer Parcel EDC-12 boundary). Where possible, only the currently designated EBS Parcel 138 will be discussed below.

EBS Parcel 138 was historically used for aircraft fuel and chemical storage, including three 25,000-gallon ASTs (ASTs 598A, 598B, and 598C) that contained fuel oil and aviation gasoline (AVGAS) and 24 USTs (referred to as UST[R]-07/Area 37) (SulTech 2005, TtEMI 2003b).

The entire parcel is included in CAA-11B. Various investigations have been conducted at CAA-11B to address soil and groundwater contamination resulting from historical site activities. Monitoring activities at CAA-11B are currently ongoing. Because EBS Parcel 138 is being investigated as CAA-11B, it is not discussed further in this SI Report, except in Section 3.3.1, where information for these ASTs and USTs is presented.

3.2.3 EBS Parcel 139

During the 1994 EBS, EBS Parcel 139 originally consisted of the eastern portion of EBS Parcel 139 (currently designated as EBS Parcel 139) and the southwestern portion of EBS Parcel 139 (now designated as EBS Parcel 139A in IR Site 27, located outside the Transfer Parcel EDC-12 boundary). Only the currently designated EBS Parcel 139 is discussed below.

A small portion of EBS Parcel 139 is located within Transfer Parcel EDC-12; however, this portion is included within the boundary of CAA-11B. Various investigations have been conducted at CAA-11B to address soil and groundwater contamination resulting from historical site activities. Monitoring activities at CAA-11B are currently ongoing; therefore, EBS Parcel 139 will not be discussed further in this SI Report.

3.2.4 EBS Parcel 140

During the 1994 EBS, EBS Parcel 140 originally consisted of both the current EBS Parcel 140 (located within Transfer Parcel EDC-12) and a northern portion of EBS Parcel 140 (now designated EBS Parcel 140A). EBS Parcel 140A and the southwestern portion of EBS Parcel 140 are located in IR Sites 11 and 27, respectively, outside the boundary of Transfer Parcel EDC-12. Additionally, the northwestern corner of EBS Parcel 140 is located in CAA-11B and will not be discussed further in this review. Where possible, only information for the portion of EBS Parcel 140 currently within Transfer Parcel EDC-12, located outside CAA-11B, is discussed below.

EBS Parcel 140 consists of open space used as a staging area and for maintenance equipment and vehicle parking. During the 1994 EBS inspection, two storage yards were identified as present north of Building 168; the exact location of the storage yards was not specified and may have been within IR Site 27. Only staining associated with vehicle parking was noted during the open space survey conducted during the 1994 EBS;

however, the southernmost storage yard north of Building 168 was noted to have been repaved.

No parcel-specific target areas were identified at the portion of EBS Parcel 140 included in Transfer Parcel EDC-12. As part of the EBS storm and sanitary sewer sampling at EBS Parcel 140, two subsurface soil samples were collected. The sample collected to evaluate the storm sewer corridor was analyzed for TPH, butyltin, selected metals, PCBs, VOCs, SVOCs, oil and grease, and organolead. Oil and grease, for which there is no screening criterion, had a reported concentration of 275 milligrams per kilogram (mg/kg). Concentrations of the remaining analytes were either not reported above detection limits or were below screening criteria. The soil sample collected to evaluate the sanitary sewer corridor was analyzed for TPH and metals; chemicals were not reported above detection limits.

Additionally, a subsurface soil sample was collected within the EBS Parcel 140 boundary as part of the sanitary sewer investigation at EBS Parcel 154 (adjacent to the southern boundary of EBS Parcel 140) and analyzed for TPH, VOCs, and metals; analytes were either not reported or were reported at concentrations below screening criteria.

3.2.5 EBS Parcel 141

EBS Parcel 141 consists of one building (Building 169), which was historically used as general warehouse space for material storage, ordnance storage, minor forklift maintenance, and administrative activities; this building had minimal surrounding open space.

Historical records and the 1994 EBS inspection indicated that no chemical storage was conducted at Building 169 or in the surrounding open space. Beginning in approximately 1984 and likely continuing until base closure, ordnance and small quantities of compressed gases were stored in the southern portion of the warehouse. Historical records, including chemical inventories and spill reports, indicated that ordnance entered and exited the building in packaged condition and that there were no releases at the building associated with ordnance storage. Additionally, during the time of the inspection, the ordnance was observed to be stored in a proper and safe manner. Minor oil staining attributed to forklift operations, accounting for less than 1 percent of the building floor, was observed within the building.

During the 1994 EBS open space survey, minor staining observed included a light, 4-by-4-foot oil stain to the east of the building and a rusty stain on concrete to the south.

No parcel-specific target areas were identified at EBS Parcel 141.

One subsurface soil sample and one confirmation soil sample were collected during the EBS as part of a zonewide concern for impacts from former railroad tracks. The samples were analyzed for SVOCs, TPH, PCBs, and lead; PCBs and TPH were not reported, and SVOCs and lead were reported at concentrations below screening criteria.

3.2.6 EBS Parcel 150

During the 1994 EBS, EBS Parcel 150 originally consisted of current EBS Parcel 150 and the parcels now designated as EBS Parcels 150A and 150B. EBS Parcels 150 and 150B are within the boundary of Transfer Parcel EDC-12; EBS Parcel 150A is located outside the transfer parcel boundary to the east in IR Site 16. Additionally, the southernmost portion of EBS Parcel 150 is included within the boundary of CAA-9. Where possible, only information related to the current EBS Parcel 150, excluding the portion located in CAA-9A, will be discussed below. Information for EBS Parcel 150B will be discussed in the subsequent subsection.

EBS Parcel 150 was historically used as an aircraft parking area between 1947 and 1970; later, the parcel was used for material and equipment storage. Between 1985 and 1990, several buildings were constructed in the northern corner of the parcel and were used as an industrial machine shop and storage facilities, including covered drum storage. One SWMU, a hazardous-waste accumulation area known as GAP 621, which contained paint cans and oil-soaked rags, was located in the northeastern corner of EBS Parcel 150, outside of Building 621. EBS Parcel 150 also historically contained NAS GAP 04/SWMU 584, which was designated due to a spill of diesel fuel in November 1993 (TtEMI 2003b). Two USTs (584-1 and 584-2) that contained diesel fuel were also formerly located within the boundary of EBS Parcel 150. These SWMUs are discussed in more detail in Section 3.3.2.

During the 1994 EBS inspection, minor amounts of oil for small machinery, small amounts of solvents for cleaning, and small waste cans of oily waste were observed within Building 621. Additionally, minor staining in and around the building's small machine equipment was observed on the concrete floor.

Activities conducted in the northern portion of the open space during the time of the 1994 EBS inspection included scrap metal storage, minor equipment repairs, and storage of shipboard equipment. A hazardous materials storage locker contained paints and solvents; three 55-gallon drums of cleaner were also stored in this area. To the south of Building 621, two hundred 55-gallon and forty 20-gallon drums of unknown material were stored on wooden pallets within and alongside the covered storage areas; the drums were not secondarily contained. Approximately 300 cylinders of compressed gases were also located in this area. Although also historically used for aircraft parking, the southeastern corner of the parcel was used as a storage yard for refuse containers and trucks between 1970 and 1994. Beginning in 1994, the southeastern corner of EBS Parcel 150 was used as a staging area for investigation-derived waste (IDW) from operations on the eastern side of the base, including a 4,000-gallon polyethylene tank with secondary containment; however, during a site walk in June 2006, the polyethylene tank was not observed. Aerial photographs for EBS Parcel 150 reviewed during the 1994 EBS and subsequently during preparation of this SI Report indicated the presence of "severe" surface staining around Buildings 618 and 619 beginning in 1985 (ERM-West 1994a). However, these buildings are actually within the boundary of EBS Parcel 151 rather than EBS Parcel 150.

During the EBS, two parcel-specific target areas and a portion of a third parcel-specific target area were identified at EBS Parcel 150. These three target areas included the former hazardous waste accumulation area northeast of Building 621 (GAP 621, which is discussed in greater detail in Section 3.3.2), the drum storage area south of Building 621, and the IDW staging area in the southeastern corner of the parcel. To address concerns about potential impacts to soil by spills or leakage of VOCs contained in paints and solvents stored in the drum storage area south of Building 621, three subsurface soil screening samples and one confirmation soil sample were collected and analyzed for VOCs; no detectable concentrations of VOCs were reported. Two subsurface soil samples and one confirmation soil sample were collected from the IDW storage area in the southern portion of the parcel. No detectable concentrations of VOCs were reported; TPH as motor oil was reported at a concentration below screening criteria. One of the subsurface soil samples and the confirmation soil sample were located in the EBS parcel now designated as EBS Parcel 150B and therefore will be discussed in Section 3.2.7.

During the EBS, one soil sample from the storm sewer investigation at EBS Parcel 202 was collected within the EBS Parcel 150 boundary and analyzed for TPH, butyltin, metals, pesticides/PCBs, SVOCs, organolead, and oil and grease. In the sample collected, oil and grease was reported at a concentration of 642 mg/kg, metals were reported at concentrations below screening criteria, and the remaining compounds were not reported above detection limits.

As part of an RI/FS data gap sampling effort, one manhole sediment sample was collected at EBS Parcel 150 (PRC and Montgomery Watson 1996) and analyzed for VOCs, SVOCs, and TPH. Manhole sediment data collected during this investigation are not considered to be representative of site activities or indicative of current site conditions. Manholes consolidate sediment transported from waste streams originating upstream of Transfer Parcel EDC-12. All storm and sanitary sewer lines at Transfer Parcel EDC-12 originate in areas to the north and east and flow through a number of IR sites prior to reaching Transfer Parcel EDC-12 and, ultimately, San Francisco Bay. Thus, there is no way to determine whether analytical data from manhole sediment samples are representative of historical activities at Transfer Parcel EDC-12 or another upstream source. Therefore, manhole sediment data will not be considered further in this SI Report.

Samples were collected from two locations during the PAH sampling event (Appendix C). The B(a)P equivalent concentrations in all samples were below the preliminary screening criterion of 620 μg/kg for residential use.

3.2.7 EBS Parcel 150B

During the 1994 EBS, EBS Parcel 150 consisted of the current EBS Parcel 150 and the parcels now designated as EBS Parcels 150A and 150B. EBS Parcels 150 and 150B are included within the boundary of Transfer Parcel EDC-12; EBS Parcel 150A is located outside the transfer parcel boundary to the east in IR Site 16. Where possible, only information related to EBS Parcel 150B will be discussed below. Information for EBS Parcel 150 was presented in the preceding subsection.

EBS Parcel 150B was historically used for administrative and support activities for housing maintenance services, for aircraft parking, as an IDW staging area, as an aircraft scrapyard, for aircraft parts storage, and as general open space. One SWMU (AST 620) was present and is discussed in more detail in Section 3.3.3. The sewage lift station noted in the EBS as being located in the northeastern portion of EBS Parcel 150B is actually located in EBS Parcel 211 and therefore is not included in this review. During the 1994 EBS inspection, chemical storage in the largest building in the EBS parcel, Building 620, included latex paints, minor amounts of chlorinated solvents, and 25 gallons of adhesives.

A former aircraft scrapyard (Scrapyard D-7) was located in the northeastern corner of the parcel. Debris was observed scattered across the scrapyard during the 1994 EBS inspection. Additionally, hazardous wastes including atmospheric gas oil, petroleum distillate oil, and abandoned 5-gallon drums were observed in the open space referred to in the EBS Report as being located on the east side of the parcel; the exact location was not specified. Because the easternmost portion of the parcel is located outside Transfer Parcel EDC-12, the open space where hazardous waste was observed may not have been in Transfer Parcel EDC-12.

Although also historically used for aircraft parking, the southwestern corner of the parcel was used as a storage yard for refuse containers and trucks between 1970 and 1994. Beginning in 1994, the southwestern corner of EBS Parcel 150B was used as a staging area for IDW from operations occurring on the eastern side of the base. Aerial photographs reviewed for this area during the 1994 EBS indicated the presence of severe surface staining in the staging area west of Buildings 618 and 619 beginning in 1985. Additionally, soil stains and a strong gasoline odor were noted in the northeastern section of the IDW staging area during the 1994 EBS inspection.

Three parcel-specific target areas were identified at EBS Parcel 150B during the 1994 EBS. To address staining and odor noted in the IDW storage area in the open space along the western edge of the parcel, two subsurface soil samples and one confirmation soil sample were collected and analyzed for VOCs and TPH. VOCs were not reported in the samples collected, and TPH was reported at concentrations below screening criteria. An additional target area was identified near the IDW storage area to address severely stained soil observed in aerial photographs reviewed during the EBS (ERM-West 1994a). One subsurface soil sample and one confirmation soil sample were collected in this target area within EBS Parcel 150B. The samples were analyzed for VOCs and TPH. VOCs were not reported in samples collected, and TPH was reported at concentrations below screening criteria. A third parcel-specific target area was identified in the northeastern portion of the parcel at the location of former Scrapyard D-7. Six soil gas samples, six subsurface soil samples, and one confirmation soil sample were collected to address concerns in this area. Soil gas samples were analyzed for VOCs, and subsurface soil samples were analyzed for TPH; one of the subsurface soil samples was also analyzed for VOCs. With the exception of chloroform reported at a concentration above the ESL, there were no VOCs reported in the soil gas samples; however, detection limits for VOCs in soil gas samples were above screening criteria for several VOCs in each of the six

samples collected (Appendix F). TPH as motor oil was reported at a concentration above the ESL in one of the six soil samples collected (150-0020M). TPH as motor oil at this location was reported at 1,400 mg/kg, above the ESL of 500 mg/kg. However, the confirmation soil sample collected at this location had a reported TPH as motor oil concentration of 36 mg/kg, below the ESL for TPH as motor oil.

Two zonewide target areas were identified at EBS Parcel 150B during the 1994 EBS. One zonewide target area was identified to address potential impacts to site soils from former railroad tracks at the parcel. One of the six soil samples (150-0016M) collected in this zone was located in EBS Parcel 150B; the sample was analyzed for TPH, SVOCs, PCBs, and lead. TPH as motor oil was reported in the sample at a concentration of 1,100 mg/kg, above the ESL for TPH as motor oil of 500 mg/kg. (Although this sampling location is shown east of the railroad tracks on figures in this SI Report, according to figures in the EBS, this sample was collected at the railroad tracks.) Chemical concentrations of the remaining analytes in this sample were either below screening criteria or were not reported. Based on the elevated concentration of TPH as motor oil at this location and at a second location outside the EBS Parcel 150B boundary, a second phase of sampling was conducted within EBS Parcel 150B. Two soil samples and one groundwater sample were collected south of the location of sample 150-0016M along the railroad tracks and analyzed for TPH and SVOCs; no detectable concentrations of TPH or SVOCs were reported in these three samples.

A second zonewide target area was identified to address potential impacts to the site from a former incinerator originally thought to be located on EBS Parcel 139; the former incinerator was later determined to have been located within EBS Parcel 113 (IR Site 7). One soil sample was collected and analyzed for dioxins/dibenzofurans; dioxins/dibenzofurans were not reported in this sample.

As part of the storm sewer corridor sampling, one soil sample was collected adjacent to the sewer line and analyzed for TPH, butyltin, metals, VOCs, SVOCs, and oil and grease. Oil and grease was reported at a concentration of 3,710 mg/kg; remaining chemicals were either not reported or were reported at concentrations below screening criteria.

As part of a UST investigation associated with Building 530 located in IR Site 23, three soil borings were advanced at EBS Parcel 150B (Moju Environmental 1998). Soil samples were collected and analyzed for VOCs and TPH; these chemicals were not reported above screening criteria. Additionally, two grab groundwater samples were collected from the borings, and two additional borings were advanced and developed as monitoring wells. Groundwater samples were collected and analyzed for VOCs, SVOCs, and TPH. The monitoring wells were resampled in 2001 as part of the follow-on investigation for the RI/FS at IR Site 16 (TtEMI 2002b). The groundwater samples collected in this area are therefore included in the IR Site 16 groundwater plume study area (Shaw 2005a), and results from these samples will not be evaluated in this SI Report. Groundwater in this area will continue to be addressed as part of IR Site 16.

As part of the RI/FS data gap sampling effort conducted for OU-1 (IR Site 16) and OU-2, three soil samples were collected from one soil boring at EBS Parcel 150B (PRC and Montgomery Watson 1996). These samples were analyzed for VOCs and SVOCs; these

analytes were either not reported above detection limits or were reported at concentrations below screening criteria.

During the follow-on investigation for the RI/FS at IR Site 16, 23 grab groundwater samples and one soil sample were collected from ten locations; groundwater samples were analyzed for VOCs and the soil sample was analyzed for metals (TtEMI 2002). Metals were reported at concentrations below screening criteria in the soil sample (TtEMI 2002b). The ten locations are within the IR Site 16 VOC groundwater plume study area (Shaw 2005a); therefore, results from groundwater at these locations will not be evaluated in this SI Report. Groundwater in this area will continue to be addressed as part of IR Site 16.

As part of the basewide groundwater monitoring program, monitoring wells MW16-05 and MW16-06 were installed in 2004 and subsequently sampled during multiple events. The wells are located within the IR Site 16 VOC groundwater plume study area (Shaw 2005a); therefore, groundwater results from these wells will not be evaluated in this SI Report.

Samples were collected from three locations during the PAH sampling event (Appendix C). The B(a)P equivalent concentrations in all samples were below the preliminary screening criterion of 620 µg/kg for residential use.

3.2.8 EBS Parcel 151

EBS Parcel 151 was historically used as a staging area and for aircraft parking, drum storage, treated-timber storage, and covered material storage. In the 1994 EBS, Building 586, a sewage lift station, is noted; however, this building is actually located in EBS Parcel 211, outside Transfer Parcel EDC-12.

During the 1994 EBS, empty drum storage was observed in the northeastern portion of the open space at EBS Parcel 151. In the central portion of the parcel, approximately 400 gallons of paint was stored, and a 50-by-100-foot accumulation area consisting of large telephone poles and timber treated with creosote and copper green preservative was observed. A strong creosote odor was noted in the accumulation area, and small stains were noted on the ground beneath the timbers. In Buildings 618 and 619, located in the western portion of the parcel, storage of paving-related equipment and industrial chemical products was observed. No spills or leaks were documented for Building 618. A spill of approximately 5 gallons of cyclohexylamine was documented in Building 619; the spill was contained and the chemical was re-drummed.

During the open space survey conducted during the 1994 EBS, a stain was observed near the storm drain located in the southeastern portion of the parcel. The stain was attributed to runoff from timber-washdown activities; an accumulation of runoff was observed around the storm drain. Aerial photographs reviewed for this area during the 1994 EBS and subsequently during preparation of this SI Report indicated the presence of severe surface staining beginning in 1985 in the staging area north and west of Buildings 618 and 619, which includes a portion of EBS Parcel 151.

Two parcel-specific areas were identified at EBS Parcel 151. To investigate staining, odors, and chemical use in the treated-wood accumulation area located in the center of the parcel, eight subsurface soil samples, two confirmation soil samples, and one duplicate soil sample were collected within the EBS Parcel 151 boundary and analyzed for SVOCs and metals. Chemicals were either not reported above detection limits or reported at concentrations below screening criteria; however, detection limits for SVOCs in these locations were above the screening criteria. To address concerns in the former hazardous materials storage area (drum storage) along the eastern boundary of the parcel, four near-surface soil samples (from approximately 1 to 2 feet bgs), four subsurface soil samples, and one confirmation soil sample were collected from four locations and analyzed for TPH, VOCs, and SVOCs. TPH as motor oil was reported at a concentration (4,000 mg/kg) above the ESL in surface soil sample 151-0012M. TPH as motor oil in the subsurface soil sample collected at this location was reported at a concentration of 55 mg/kg, below the ESL. Additionally, TPH as motor oil was above the ESL in a soil sample (151-0009M) collected at 2 feet bgs that was submitted to the on-site screening laboratory; this sample had a reported concentration of TPH as motor oil of 14,000 mg/kg. TPH as motor oil in the subsurface soil sample collected at this location was reported at a concentration of 380 mg/kg, below the ESL; the confirmation soil sample collected at this location had a reported concentration of TPH as motor oil of 40 mg/kg. Concentrations of the remaining chemicals in these samples were either not reported or were reported at concentrations below screening criteria.

As part of an RI/FS data gap sampling effort conducted for OU-1 (IR Site 16), four grab groundwater samples were collected from two borings at EBS Parcel 151 and analyzed for VOCs (TtEMI 2002b). As part of the same data gap investigation, one stormwater sample was collected from a manhole in EBS Parcel 151 and analyzed for VOCs, SVOCs, and TPH. These locations are within the IR Site 16 VOC groundwater plume study area (Shaw 2005a); therefore, groundwater analytical results from these locations will not be evaluated in this SI Report.

Samples were collected from one boring during the PAH sampling event (Appendix C). The B(a)P equivalent concentrations in all samples were below the preliminary screening criterion of 620 µg/kg for residential use.

3.2.9 EBS Parcel 153

During the 1994 EBS, EBS Parcel 153 originally consisted of both the southern portion of EBS Parcel 153 (located within Transfer Parcel EDC-12) and the northern portion of EBS Parcel 153 (now designated as EBS Parcel 153A and located in IR Site 9, outside the Transfer Parcel EDC-12 boundary). Where possible, only information for the portion of EBS Parcel 153 within Transfer Parcel EDC-12 is discussed below.

EBS Parcel 153 was historically used for aircraft parking and possibly for storage of large avionic parts (the EBS and PEP do not specify whether the northern or the southern portion of the open space was used for materials storage). A large steam trap with surrounding ponding water was observed in the open space in the northern portion of the parcel. A former railroad track passed through the southeastern corner of the parcel.

During the open space survey, a 5-by-3-foot stain was observed near the railroad tracks. Additional stains at the parcel were considered to be minor. No other spills or incidents were reported within the current boundary of EBS Parcel 153; therefore, no parcel-specific target areas were identified. Aerial photographs reviewed for this area during the 1994 EBS and subsequently during preparation of this SI Report indicated the presence of significant staining in the northern portion of the EBS parcel.

One EBS sample was collected within the EBS Parcel 153 boundary as part of the parcel-specific target area sampling at adjacent EBS Parcel 150. Subsurface soil sample 150-0002M and a duplicate soil sample were collected and analyzed for VOCs to address potential impacts in the hazardous waste accumulation area located in the northeastern corner of EBS Parcel 150; VOCs were not reported in these samples at concentrations above detection limits.

As part of the RI/FS at IR Site 9 (Phases 1 and 2A and data gap sampling), one monitoring well (MW410-3) was installed and one HydroPunch groundwater sample (DHP-S09-03) was collected at EBS Parcel 153 (PRC and Montgomery Watson 1993, 1996). The monitoring well was integrated into the IR Site 9 basewide groundwater monitoring program and has been sampled during multiple sampling events. During the most recent round of sampling, a groundwater sample was analyzed for TPH, VOCs, and dissolved metals. The HydroPunch groundwater sample was analyzed for VOCs, SVOCs, and metals. Additionally, as part of the pilot-scale test for ISCO related to adjacent IR Site 9, five grab groundwater samples were collected from one direct-push boring (9-4) at EBS Parcel 153 (Shaw 2003) and analyzed for VOCs. These locations are within the IR Site 9 VOC groundwater plume study area (Shaw 2005a); therefore, groundwater analytical results from these locations will not be evaluated in this SI Report. Groundwater in this area will continue to be addressed as part of IR Site 9.

During the installation of monitoring well MW410-3, 12 soil samples were collected from the boring and analyzed for VOCs, SVOCs, and metals. The B(a)P equivalent concentration from the soil sample collected between 1 and 1.5 feet bgs was 810 µg/kg, above the preliminary screening criterion of 620 µg/kg for residential use; concentrations of remaining analytes in soil samples were either not reported or were reported below screening criteria.

Samples were collected from two locations during the PAH sampling events (Appendix C) (BEI 2004b). The B(a)P equivalent concentrations in all samples were below the preliminary screening criterion of 620 µg/kg for residential use.

3.2.10 EBS Parcel 154

During the 1994 EBS, EBS Parcel 154 originally consisted of the portion of EBS Parcel 154 located within Transfer Parcel EDC-12 and a portion located in IR Site 27 to the north, outside the Transfer Parcel EDC-12 boundary. Where possible, only the portion of EBS Parcel 154 within Transfer Parcel EDC-12 will be discussed.

EBS Parcel 154 was historically used as the site of the following operations: chemical, equipment, and materials storage; vehicle parking and storage; administrative offices; a

shop area; an aircraft maintenance hangar; a fire protection pump house; and a light tower. The open space of EBS Parcel 154 was historically used for aircraft parking and maintenance. Aerial photographs review for this area during the 1994 EBS and subsequently during the preparation of this SI Report indicated the presence of significant staining south of Buildings 166 and 167.

Activities conducted in Building 167, the aircraft maintenance hangar, reportedly included painting, resin mixing, parts washing in solvent dip tanks, metals treatment, metals machining, paint stripping/sandblasting, aircraft defueling, and replacing or filling of lubrication and hydraulic fluids. Several aboveground dip tanks containing various oils, acids, and solvents were identified, and a tank of 1,1,1-trichloroethane (TCA) was observed. A hazardous materials locker containing acids, bases, halogenated and nonhalogenated solvents, and an open metal shed were also observed.

Several SWMUs were formerly located within Building 167, including NADEP GAPs 67, 68, and 71. Wastes generated in the building were transferred to SWMUs located outside the building, including NADEP GAPs 69 and 72 and NAS GAP 28. Additionally, AOC 340 was located in the southwestern corner of EBS Parcel 154. All of these SWMUs are discussed further in Section 3.3.4.

Documented spills within Building 167 included a 50-gallon nitric acid spill that was neutralized and cleaned with absorbents. Undocumented spills of lubricants, solvents, acids, alkalis, and heavy metals solutions were also reported to have potentially occurred throughout the building. Building 72B, a chemical storage shed, was not inspected during the 1994 EBS inspection; this building is no longer present.

The open space south of Buildings 166 (located in EBS Parcel 201) and 167 was noted to be heavily stained in aerial photographs reviewed during the 1994 EBS. This area was reportedly used for chemical, equipment, and material storage operations. An industrial dust silo and associated drum were observed in a hazardous waste area along the western wall of Building 166. (Because Building 166 is located in EBS Parcel 201, it is not known whether the hazardous waste storage area was actually located within the EBS Parcel 154 boundary.) Additionally, a hazardous materials and miscellaneous materials storage yard was observed south of Building 166 and included the storage of gasoline, oils, and solvents; numerous stains were observed during the EBS inspection. Two drums containing waste oil, naphtha, and benzene were stored in a covered accumulation area with secondary containment; a 15-square-foot oil stain was observed in this area. Additionally, a 55-gallon drum of cleaning compound, hoses, and a water spigot was observed near the storm drain immediately south of Building 164 (an administration building); this area was reportedly used for vehicle washdown. No significant staining, spills, or other incidents were observed in the remaining open space of EBS Parcel 154.

Four parcel-specific target areas were identified in the 1994 EBS to address potential impacts from NADEP GAPs 68 and 71 in Building 167 and from hazardous materials storage and staining in the open space. Additional samples were collected to investigate heavy staining adjacent to the hazardous materials storage area and the SWMU (NADEP GAP 72) located in the open space near the southwestern corner of Building 167. Analytical results from these investigations are discussed in detail in Section 3.3.4.

A zonewide target area was identified to address potential impacts to the parcel from a former incinerator originally thought to be located in EBS Parcel 139. However, the former incinerator was later identified to have been located in EBS Parcel 113 (IR Site 7) and therefore these data are not relevant for characterization of the EBS parcel. One soil sample was collected and analyzed for dioxins/furans. These analytes were not reported in the sample collected; detection limits for several dioxins/furans in this sample exceeded the screening criteria.

As part of the storm sewer corridor sampling, two subsurface soil samples and two confirmation soil samples were collected from two locations adjacent to the storm sewer line in EBS Parcel 154. The soil samples were analyzed for TPH, butyltin, metals, VOCs, pesticides, and PCBs; reported concentrations in these samples were below detection limits or screening criteria.

As part of the sanitary sewer corridor sampling conducted during the EBS, four subsurface soil samples and one duplicate soil sample were collected from four locations adjacent to the sanitary sewer line in EBS Parcel 154. The soil samples were analyzed for VOCs, TPH, and metals. TPH as gasoline and TPH as diesel were reported at concentrations of 8,700 and 560 mg/kg, respectively, in sample 154M-0003M, above their respective ESLs. The VOCs ethylbenzene and xylenes were also reported in this sample; however, concentrations were below screening criteria. Reported concentrations of the remaining analytes were below detection limits or screening criteria. A second phase of sampling was also conducted to evaluate elevated chemical concentrations at sanitary sewer location 154M-0003M; however, the samples were collected within IR Site 27, outside the boundary of Transfer Parcel EDC-12.

Additionally, as part of the EBS, one manhole sediment sample was collected at EBS Parcel 154 (just south of Building 167) and analyzed for TPH, VOCs, SVOCs, pesticides, PCBs, and metals. The catch basin that was sampled is located on a storm sewer segment that originates at EBS Parcel 154. However, manhole sediment data collected during the EBS are not considered to be representative of site activities or indicative of current site conditions at the EBS parcel, as discussed in Section 3.2.6. Therefore, manhole sediment data will not be evaluated further in this SI Report.

As part of a data gap sampling effort conducted for OU-1 and OU-2, 40 grab groundwater samples were collected from seven locations at EBS Parcel 154 (TtEMI 2002b). The 40 groundwater samples were analyzed for VOCs, and 24 samples were also analyzed for SVOCs. Additionally, as part of the ISCO pilot-scale test of groundwater at IR Site 9 intermediate depths (Shaw 2003), grab groundwater sampling and several rounds of groundwater sampling from injection, observation, and background wells and one direct-push boring were conducted at EBS Parcel 154 (Shaw 2005a). This area has been identified as the IR Site 9 Intermediate VOC groundwater plume study area in this SI Report (Figure 3-2). Analytical results from these groundwater samples will not be included in this SI Report. Groundwater in this area will continue to be addressed as part of IR Site 9.

Two soil samples from two locations were collected during the ISCO pilot-scale test and analyzed for VOCs and metals; analytes were not reported at concentrations above screening criteria.

3.2.11 EBS Parcel 155

During the 1994 EBS, EBS Parcel 155 originally consisted of the entire western boundary of Transfer Parcel EDC-12 and additional portions located north and south of the Transfer Parcel EDC-12 boundary. The EBS parcel was subsequently divided into five portions: EBS Parcels 155, 155A, 155B, 155C, and 155D. The current boundary of EBS Parcel 155 is primarily in the southwestern corner of Transfer Parcel EDC-12, with the northernmost portion of EBS Parcel 155 outside the Transfer Parcel EDC-12 boundary in IR Site 27. Where possible, only information for the area currently designated as EBS Parcel 155 located within Transfer Parcel EDC-12 is discussed below.

EBS Parcel 155 was historically used as a waterfront wharf area (Wharf 1 and a portion of Wharf 2) and as an electrical substation (dry circuit breakers only; no oil-filled equipment). Additionally, railroad tracks passed through the parcel. One 55-gallon drum of lubrication oil was noted in the "street and parking area" of the open space during the 1994 EBS inspection; however, the exact location of this drum was not noted. No spills, leaks, or chemical storage were documented at EBS Parcel 155. Therefore, no parcel-specific target areas were identified at this EBS parcel.

3.2.12 EBS Parcel 155C

During the 1994 EBS, EBS Parcel 155C was originally included in EBS Parcel 155, which consisted of the entire western boundary of Transfer Parcel EDC-12 and additional portions located north and south of the Transfer Parcel EDC-12 boundary. EBS Parcel 155 was subsequently divided into five portions: EBS Parcels 155, 155A, 155B, 155C, and 155D. A portion of the current boundary of EBS Parcel 155C is located in the northwestern corner of Transfer Parcel EDC-12 and is contained within CAA-11B; the remaining portion is located outside the Transfer Parcel EDC-12 boundary.

EBS Parcel 155C was historically used as a waterfront area. The northern portion of the parcel is included in CAA-11B; the southern portion of the parcel, included in IR Site 27, is excluded from Transfer Parcel EDC-12. Various investigations have been conducted at CAA-11B to address soil and groundwater contamination resulting from historical site activities. Monitoring activities at the CAA are currently ongoing. Because EBS Parcel 155C is being investigated as part of CAA-11B, it will not be discussed further in this SI Report.

3.2.13 EBS Parcel 159

Two small portions of EBS Parcel 159 located along the southern boundary of the parcel are located outside the Transfer Parcel EDC-12 boundary. Where possible, only the portion of EBS Parcel 159 within Transfer Parcel EDC-12 will be discussed.

EBS Parcel 159 was historically used for operations that included aircraft parking, missile storage, a crane and rigging facility, a guard shack, and for general open space; a portable toilet and dumpster were also observed at the parcel during the 1994 EBS. Activities conducted at the crane and rigging facility involved the use of heavy machinery, fuels, and lubricants, and the generation of oil wastes. Additionally, railroad tracks were formerly present along the northern portion of the parcel. (In the 1994 EBS, the railroad tracks were noted in EBS Parcel 159; however, the Graphical Information System database used for this SI Report indicated that the railroad tracks were present along the southern boundary of EBS Parcel 154, adjacent to EBS Parcel 159.)

During the 1994 EBS building inspection, storage of approximately 100 gallons of lubrication oil and grease was observed at Building 292. Waste cans used to collect oil-soaked rags were observed in the western portion of the building. Spills of generator fuel and oil were documented as having occurred within the building. Additionally, significant staining on the ground surrounding drip collection pans located beneath generators was observed.

During the 1994 EBS open-space inspection, 100 gallons of lubrication oil and grease was observed in a storage box located east of Building 292; additional storage lockers for flammable materials, grease oil, cleaning gear, and hose pump parts were also observed. No documentation or physical evidence of chemical use in the open space was noted during the 1994 EBS. Pavement staining from aircraft parking was observed during the aerial photograph review conducted during the 1994 EBS. Additionally, numerous large oil stains were observed in the northeastern corner and along the southern border of the EBS parcel, near the border of EBS Parcel 160. The northeastern corner of the parcel was re-inspected in 2006; stains were not visible during the inspection. Aerial photographs reviewed for this area during the 1994 EBS and subsequently during preparation of this SI Report indicated the presence of significant staining along the southern boundary of the EBS parcel.

Two parcel-specific target areas were identified at EBS Parcel 159 during the 1994 EBS. To investigate staining and spills noted within Building 292, two near-surface soil samples and one confirmation soil sample were collected from stained areas in the emergency generator room in Building 292 and analyzed for TPH; no detectable concentrations of TPH were reported. To evaluate staining in the open space surrounding the building near the border of EBS Parcel 160, one subsurface soil sample and one soil confirmation soil sample were collected in the open space south of Building 292 and analyzed for TPH; no detectable concentrations of TPH were reported.

A zonewide target area was identified to evaluate potential impacts from the railroad tracks. Two surface soil samples were collected along the northern boundary of the parcel near the former railroad tracks and analyzed for TPH, SVOCs, PCBs, and lead. TPH as motor oil was reported at a concentration of 510 mg/kg in sample 159-0006M, slightly above the ESL of 500 mg/kg; remaining analytes were either not reported above detection limits or were reported at concentrations below screening criteria.

As part of the sanitary sewer corridor sampling, two subsurface soil samples, one duplicate soil sample, and two soil confirmation soil samples were collected from two

locations along the sanitary sewer corridor; one of the two sanitary sewer corridor soil samples in EBS Parcel 159 was collected as part of the investigation at adjacent EBS Parcel 160. The soil samples were analyzed for TPH, VOCs, and SVOCs; these analytes were either not reported above detection limits or were reported at concentrations below screening criteria.

Samples were collected at nine locations during the PAH sampling events (Appendix C). The B(a)P equivalent concentrations in all samples were below the preliminary screening criterion of 620 μg/kg for residential use.

3.2.14 EBS Parcel 160

During the 1994 EBS, EBS Parcel 160 originally consisted of the current EBS Parcel 160 and the parcel now designated as EBS Parcel 160A, which is outside the Transfer Parcel EDC-12 boundary. Where possible, only information related to the area within the current boundary of EBS Parcel 160 will be discussed.

EBS Parcel 160 consists entirely of open space and was historically used for aircraft and vehicle parking and possibly for boat repair. (Historical documents list boat repair activities in the open space; however, structures associated with the boat repair activities were formerly located in EBS Parcel 160A, not EBS Parcel 160.) During the 1994 EBS, hazardous materials lockers were observed in the open space; it was not specified whether the lockers were located in the areas corresponding to EBS Parcel 160 or 160A. Based on the identification of a parcel-specific target area within the open space of EBS Parcel 160A to address hazardous materials use, it is likely that the hazardous materials lockers were located in EBS Parcel 160A. There were no stains or spills noted at EBS Parcel 160 during the 1994 EBS, aside from typical oil stains associated with vehicle parking. Aerial photographs reviewed for this area during the 1994 EBS and subsequently during preparation of this SI Report indicated the presence of significant staining along the southern boundary of the EBS parcel.

3.2.15 EBS Parcel 164

During the 1994 EBS, EBS Parcel 164 originally consisted of the current EBS Parcel 164 and the northern portion of the parcel now designated as EBS Parcel 164A, which is outside the Transfer Parcel EDC-12 boundary. Where possible, only information related to the area within the current boundary of EBS Parcel 164 will be discussed.

EBS Parcel 164 is entirely occupied by Building 170, which was used historically for general warehouse operations. Activities conducted as part of the general warehouse operations included the storage and packaging of aviation equipment.

There were no spills, stains, or evidence of chemical use, storage, or disposal within the central or southern portions of Building 170 that are included in Transfer Parcel EDC-12; therefore, no parcel-specific target areas were identified in EBS Parcel 164 and no samples were collected within this EBS parcel.

3.2.16 EBS Parcel 199

EBS Parcel 199 was historically used for the storage and testing of flexible hoses and piping. The testing activities were reported to utilize a closed-loop water recycling system that pumped water through hoses or pipes with any leakage pumped back into the system. No storage or use of chemicals was documented or observed during the 1994 EBS, with the exception of a 55-gallon drum of Lemonize biodegradable detergent and 10 gallons of Lemon-Lift biodegradable disinfectant observed in the northeastern corner of Building 612. Open space at EBS Parcel 199 was historically used for aircraft and vehicle parking; no stains were observed in this open space. An unidentified piping structure potentially associated with fire control or water recycling activities was observed southeast of the building. (In the 2001 EBS, these pipes were noted as being present southeast of the building; the PEP and 1994 EBS identified the pipes as south of Building 584 in EBS Parcel 202; most likely the PEP and 1994 EBS identification is incorrect.) Based on the absence of staining observed and the absence of chemical use, storage, and disposal, no parcel-specific target areas were identified at EBS Parcel 199; therefore, no samples were collected.

3.2.17 EBS Parcel 201

During the 1994 EBS, EBS Parcel 201 originally consisted of the portion of EBS Parcel 201 located within Transfer Parcel EDC-12 and a portion located in IR Site 27 to the north, which is outside the Transfer Parcel EDC-12 boundary. Where possible, only the portion of EBS Parcel 201 within Transfer Parcel EDC-12 will be discussed.

EBS Parcel 201 is primarily occupied by Building 166, with minimal surrounding open space. The building was historically used as an aircraft maintenance hangar, in which such activities as metal machining, sandblasting, painting, degreasing, aircraft refueling, and handling of lubricating and hydraulic fluids occurred; the activities were conducted in the high bay area of the building. Hazardous wastes associated with these activities include sandblast grit, solvents, paints, petroleum products, empty containers, and rags.

Two SWMUs (NADEP GAPs 65 and 66) were also formerly present at EBS Parcel 201; these SWMUs are discussed in detail in Section 3.3.5

During the 1994 EBS building inspection, storage areas for the following chemicals and wastes were observed at Building 166: 10 gallons of tetrachloroethene (PCE) and trichloroethene in metal containers along the building's southern wall, 60 gallons of paints in flammable materials lockers located on the west and north wall, 20 gallons of lubricants and solvents in flammable lockers on the east wall, 55-gallon drums of lubricants in the center of the building, rags contaminated with solvents and lubricants stored in a grounded metal drum located in the southern one-half of the building, and 55-gallon drums of sandblast grit in the northern half of the building. Over 50 percent of the building's floor area was stained; stains appeared to be related to petroleum product releases.

One parcel-specific target area was identified within the portion of EBS Parcel 201 located within Transfer Parcel EDC-12 to address chemical and waste storage throughout

the building and staining observed on the building's floor. Seven subsurface soil samples, two confirmation soil samples, and one duplicate soil sample were collected beneath the building and analyzed for TPH, VOCs, SVOCs, and metals; analytes were reported at concentrations below detection limits or screening criteria.

As part of the ISCO pilot-scale test of groundwater at IR Site 9 intermediate depths (Shaw 2003), five grab groundwater samples were collected from one location at EBS Parcel 201 and analyzed for VOCs (Shaw 2005b). This location is within the IR Site 9 VOC groundwater plume study area (Shaw 2005b); therefore, groundwater analytical results from these samples will not be included in the evaluation conducted in this SI Report. Groundwater in this area will continue to be addressed as part of IR Site 9.

Samples were collected from one boring during the PAH sampling events (Appendix C). The B(a)P equivalent concentration was below the preliminary screening criterion of 620 µg/kg for residential use in all samples.

3.2.18 EBS Parcel 202

EBS Parcel 202 was historically used for an air compression and steam plant (Building 584) that included the use of a water-testing laboratory. Open space is also present at the parcel and was historically used for aircraft and vehicle parking; this space contained three large condensation towers. Storage of miscellaneous materials and hazardous wastes also occurred south of Building 584.

Most of EBS Parcel 202 is included in CAA-9A. Investigations have been conducted at CAA-9A to address soil and groundwater contamination resulting from historical site activities. In January 2002, a draft NFA request was sent to regulatory agencies for CAA-9A. One SWMU (AST 584) is present at EBS Parcel 202. This AST was investigated as part of the TPH Program. The SWMU Evaluation Report (Attachment A) for AST 584 indicates that the tank was used to store industrial wastewater—specifically, a condensate from a heater that contained corrosion-resistant chemicals. Although the TPH Program recommended NFA for this SWMU, no samples are known to have been collected in the vicinity of AST 584 to investigate whether a release of these corrosion-resistant chemicals may have occurred. Because the rest of EBS Parcel 202 (outside of AST 584) was investigated as part of CAA-9A, the portion of EBS Parcel 202 that is included in CAA-9A (outside of AST 584) will not be discussed further in this SI Report.

At the time of the 1994 EBS, the northern portion of Building 584, located outside CAA-9A, was not identified as present; this area was documented as occupied by open space. The construction date of the northern portion of the building is unknown. No stains were noted in historical photographs in the open space of EBS Parcel 202. Additionally, there was no chemical or waste storage observed or documented in the portion of EBS Parcel 202 located outside CAA-9. Based on the lack of parcel-specific target areas identified within the open space portion of EBS Parcel 202 located outside CAA-9, no samples were collected from this portion of the parcel.

3.3 HISTORICAL USES AND PREVIOUS SAMPLING RESULTS FOR SWMU SITES (INCLUDING ASTs AND USTs)

This subsection summarizes the historical uses and regulatory status of each SWMU site (including ASTs and USTs) located within Transfer Parcel EDC-12 (by EBS parcel). The results of previous investigations are also included, where available. Table 3-4 contains detailed information for each SWMU site within Transfer Parcel EDC-12.

3.3.1 EBS Parcel 138

EBS Parcel 138 included three 25,000-gallon ASTs (ASTs 598A, 598B, and 598C) that contained fuel oil and AVGAS, and 24 USTs (referred to as UST[R]-07/Area 37) that contained various fuels and fuel wastes (SulTech 2005, TtEMI 2003b). All four of these SWMUs were recommended to be addressed under the TPH Program because they are all within the boundary of CAA-11B, where monitoring activities are currently ongoing.

3.3.2 EBS Parcel 150

One SWMU, GAP 621, a former hazardous-waste accumulation area, was located in EBS Parcel 150 near Building 621. During the EBS, a parcel-specific target area was identified at GAP 621. To address concerns about potential impacts to soil by spills or leakage of VOCs contained in paints and solvents stored in the hazardous waste accumulation area (GAP 621), two subsurface soil samples, one confirmation soil sample and two duplicate soil samples were collected and analyzed for VOCs during the EBS. No VOCs were reported at concentrations above detection limits. Because of the limited analyses conducted on samples collected near GAP 621, this SWMU was recommended to be addressed under the CERCLA program in the SWMU Evaluation Report (Attachment A/SulTech 2005.

Two USTs (584-1 and 584-2) that contained diesel fuel were also formerly located within the boundary of EBS Parcel 150. These USTs were recommended to be addressed under the TPH Program (SulTech 2005). An NFA request report was submitted to the Water Board on January 25, 2002 (TtEMI 2002a).

EBS Parcel 150 also contained NAS GAP 04/SWMU 584, which was designated due to a spill of diesel fuel that occurred as a result of overfilling USTs 584-1 and 584-2 in November 1993. Approximately 250 gallons of diesel fuel was spilled into a ditch located south of Building 584. The spill was cleaned up using absorbent pads and a vacuum truck; 10 cubic yards of soil was removed (TtEMI 2003b). NAS GAP 04/ SWMU 584 was evaluated as part of CAA-9A under the TPH Program.

3.3.3 EBS Parcel 150B

EBS Parcel 150B included one SWMU, AST 620, which formerly contained gasoline. This SWMU was recommended to be addressed under the TPH Program (SulTech 2005).

3.3.4 EBS Parcel 154

Within EBS Parcel 154, three SWMUs (NADEP GAPs 67, 68, and 71) were located within Building 167. Three SWMUs (NADEP GAPs 69 and 72 and NAS GAP 28) were also located outside the building. All these SWMUs were recommended to be addressed under the CERCLA program (SulTech 2005). Additionally, SWMU AOC 340 (also known as UST 340) was located in the southwestern corner of EBS Parcel 154. AOC 340 was recommended to be addressed under the TPH Program and was closed by the Water Board (SulTech 2005). During the EBS, samples were collected in the vicinity of five of the seven SWMUs located in EBS Parcel 154 as discussed below. No sampling is known to have been conducted in the vicinity of NADEP GAP 67 or 69.

Four parcel-specific target areas were identified in the 1994 EBS to address chemical usage in Building 167 and hazardous materials storage and staining in the open space. Four surface soil samples, eight subsurface soil samples, two confirmation soil samples, and two duplicate soil samples were collected from eight locations at Building 167 to address potential impacts from two of the SWMUs located within the building (NADEP GAPs 68 and 71) and from chemical usage and spills. The samples were analyzed for VOCs, SVOCs, TPH, and metals. TPH as diesel was reported at concentrations above the ESL in two samples (154-0003M and 154-0023M) collected from one location, at 23,000 mg/kg and 19,000 mg/kg, respectively. Two VOCs, 1,1,1-TCA and PCE, were also reported in the samples collected from this location; however, the reported concentrations were below screening criteria. Concentrations of the remaining chemicals were either not reported or were reported below screening criteria.

A second phase of sampling was conducted during the EBS to address the elevated concentrations of TPH as diesel and the VOC concentrations previously reported in soil. During this phase, three soil samples, one duplicate soil sample, and three grab groundwater samples were collected near the location of previous samples 154-0003M and 154-0023M and analyzed for VOCs and TPH. VOCs and TPH concentrations in soil and groundwater samples were not reported above detection limits or were reported at concentrations below screening criteria. However, data for TPH as diesel in soil were rejected during the validation process due to calibration errors.

Additional EBS samples were collected to investigate heavy staining adjacent to the hazardous materials storage area and NADEP GAP 72, located in the open space in the southwestern corner of Building 167. One surface soil sample, one subsurface soil sample, and one confirmation soil sample were collected and analyzed for VOCs, SVOCs, TPH, and metals; these chemicals were either not reported above detection limits or were reported at concentrations below screening criteria. Additional samples were also collected to assess potential impacts from NAS GAP 28 and the storage of hazardous materials in the open space south of Building 167. Four surface soil samples, four subsurface soil samples, and two confirmation soil samples were collected and analyzed for VOCs, SVOCs, TPH, and metals; reported concentrations of these chemicals were below detection limits or screening criteria. Additional EBS samples were collected to evaluate potential impacts from the storage of hazardous materials in the open space south of Building 166, including a SWMU located at EBS Parcel 201 (NADEP GAP 66). Four subsurface soil samples and

one confirmation soil sample were collected and analyzed for VOCs, SVOCs, TPH, and metals; reported concentrations of these chemicals were below detection limits or screening criteria.

As part of the closure of former AOC 340, four confirmation soil samples were collected and analyzed for TPH; reported concentrations were not above residential or industrial ESLs.

3.3.5 EBS Parcel 201

Two SWMUs (NADEP GAPs 65 and 66) were formerly located within the boundary of EBS Parcel 201. As discussed in Section 3.3.4, samples were collected in the vicinity of NADEP GAP 66 as part of the investigation of EBS Parcel 154; analytical results indicated chemical concentrations below screening criteria. Both SWMUs were recommended to be addressed under the CERCLA program (SulTech 2005).

3.3.6 EBS Parcel 202

Within EBS Parcel 202, one AST (AST 584) was present. As discussed in Section 3.2.18, AST 584 was used to store industrial wastewater, specifically condensate from a heater that contained corrosion-resistant chemicals. No samples are known to have been collected in the vicinity of AST 584 to investigate whether a release of these corrosion-resistant chemicals may have occurred.

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Section 4
EVALUATION OF EXISTING ANALYTICAL DATA

Analytical results from samples previously collected at Transfer Parcel EDC-12 are evaluated in this section. Environmental conditions were characterized for nine EBS parcels at EDC-12. No samples were collected at EBS Parcels 134, 155, 160, 164, 199, and 202 because no potential impacts to soil and groundwater from historical activities were observed during the 1994 EBS and subsequent environmental investigations; therefore, an evaluation of existing data was not conducted for these EBS parcels. Groundwater analytical data from locations impacted by the groundwater plumes at IR Sites 9 and 16 were excluded from the evaluation. Groundwater in these areas will continue to be addressed as part of the activities at the adjacent IR sites. The nature and extent of contamination at these IR sites is discussed in the technical reports for the respective sites (Shaw 2005a,b). In addition, soil and groundwater analytical data from locations within CAAs were excluded from the evaluation as these locations will continue to be addressed as part of the activities under the TPH Program.

Analytical data for Transfer Parcel EDC-12 are presented in Appendix A. These data include results for all areas of the transfer parcel, including those not evaluated in this SI Report. Appendix A includes the following:

- EBS soil, soil gas, storm sewer manhole sediment, and groundwater data (PAH soil data were excluded because detection limits were above regulatory criteria)
- soil, storm sewer manhole sediment, and groundwater results from the investigations discussed in Section 3 and available in the Alameda Point–specific electronic database (2004 ArcView Query Station [TtEMI 2004a])
- groundwater data from the basewide groundwater monitoring program (only the most recent data for each analyte are presented)

Figure 4-1 shows sampling locations in Transfer Parcel EDC-12. Figure 4-2 shows the sampling locations included and excluded from the SI evaluation as well as the investigations that address the excluded locations. Figures 4-3 through 4-7, respectively, present the sampling locations for the following chemical classes:

- VOCs
- TPH
- SVOCs, including PAHs
- pesticides and PCBs
- metals

Concentrations of VOCs, SVOCs, pesticides, PCBs, and metals in soil (excluding PAHs in soil) were compared to their respective U.S. EPA Region 9 PRGs for residential soil (U.S. EPA 2004) and their respective MCLs for groundwater; if lower, Cal-modified PRGs and California MCLs were used for soil and groundwater, respectively, where available. For lead in groundwater, analytical results were compared to the U.S. EPA and Cal-modified action levels for lead (DHS 2003, U.S. EPA 2006). This is a conservative approach used to identify areas that may require further evaluation. Where concentrations exceeded the residential PRGs for soil, concentrations were also compared to industrial PRGs.

TPH data for soil and groundwater were compared to residential ESLs for shallow soil (less than 3 meters [about 10 feet] bgs) in areas where groundwater is a potential drinking water source (RWQCB 2005). Where concentrations exceeded the residential ESLs for soil, concentrations were also compared to industrial ESLs.

For PAHs in soil, B(a)P equivalent concentrations were calculated and compared to the Alameda Point preliminary screening criterion of 620 µg/kg for residential use (DON 2001b).

Metals were compared to background concentrations developed specifically for Alameda Point for soil and groundwater in the southeastern portion of Alameda Point, identified as the blue area (TtEMI 2001d, 2004b).

As part of the SI process, reported chemical concentrations in groundwater samples are compared to California Toxics Rule (CTR) values as appropriate (U.S. EPA 2000). However, at Transfer Parcel EDC-12, no groundwater samples were collected close enough to the shoreline (i.e., within 100 feet) to warrant such an assessment; therefore, a comparison to CTR values was not conducted for this SI Report.

VOCs in soil gas were compared to shallow soil gas ESLs for residential and industrial land use (RWQCB 2005).

Manhole sediment data were not evaluated because they were not considered to be representative of site activities or indicative of current conditions. Manholes consolidate sediment transported from waste streams originating upstream of Transfer Parcel EDC-12. All storm and sanitary sewer lines at Transfer Parcel EDC-12 originate in areas to the north and east and flow through a number of IR sites prior to reaching Transfer Parcel EDC-12 and, ultimately, San Francisco Bay. Thus, there is no way to determine whether analytical data from manhole sediment samples are representative of historical activities at Transfer Parcel EDC-12 or another upstream source. However, at the request of the regulatory agencies, the manhole sediment data are provided in Appendix A of this report.

The presence of chemicals at concentrations above screening criteria does not indicate that there is a health concern; however, further evaluation of the areas in which the chemicals were reported may be warranted. A more detailed evaluation of potential health risks associated with the presence of these chemicals is presented in Section 5.

Figures 4-3 through 4-7 show locations where chemical concentrations in soil were reported above residential or industrial PRGs (or ESLs, for TPH). No chemicals in groundwater had concentrations reported above screening criteria. It should also be noted that groundwater samples collected from locations within CAAs were also excluded from the evaluation; groundwater in these areas will be addressed as part of the activities at the CAAs. Chemicals with concentrations reported above screening criteria in soil and soil gas are listed in Tables 4-1 and 4-2, respectively, and are discussed in the following subsections.

Detection limits for analytes in soil, soil gas, and groundwater at selected locations exceeded screening criteria, as discussed in Appendix F and the following subsections. With the exception of SVOCs in soil at EBS Parcel 151, concentrations of analytes with detection limits exceeding screening criteria were not found to represent data gaps.

4.1 VOLATILE ORGANIC COMPOUNDS

No VOCs were reported in soil or groundwater samples evaluated in this SI Report at concentrations above their respective screening criteria. Detection limits for two VOCs in one groundwater sample exceeded screening criteria (see Appendix F).

As presented in Table 4-2, chloroform was reported in soil gas sample 150-0010M at a concentration of 3 milligrams per cubic meter (mg/m^3), above the residential ESL of 0.45 mg/m^3 and the industrial ESL of 1.5 mg/m^3. Detection limits for several VOCs were higher than the screening criteria in each of the six soil gas samples collected; therefore, it cannot be verified that the concentrations of VOCs in the soil gas samples were below screening criteria (Appendix F).

4.2 TOTAL PETROLEUM HYDROCARBONS

As shown on Figure 4-4 and detailed in Table 4-1, TPH was reported in soil at concentrations above residential and industrial ESLs at four EBS parcels. TPH as diesel was above the residential and industrial ESLs in two samples collected from one location at EBS Parcel 154; the detection limit for TPH as motor oil in the samples from this location was above the residential and industrial ESLs. TPH as motor oil was above the ESL in four samples collected from EBS Parcels 150B and 151. TPH as motor oil was reported above the residential ESL but below the industrial ESL in a single sample from EBS Parcel 159.

TPH was not reported in groundwater at concentrations above screening criteria.

4.3 SEMIVOLATILE ORGANIC COMPOUNDS

Of the reported SVOCs, only PAHs were above screening criteria. As agreed upon at the PAH technical meeting held with the Navy, regulatory agencies, and the City of Alameda on May 31, 2001, PAHs in soil were evaluated based on a B(a)P equivalent concentration that normalizes the toxicity of seven of the carcinogenic PAHs relative to the toxicity of B(a)P. B(a)P equivalent concentrations were calculated for the following PAHs:

- benz(a)anthracene
- benzo(b)fluoranthene
- benzo(k)fluoranthene
- B(a)P
- chrysene
- dibenz(a,h)anthracene
- indeno(1,2,3-cd)pyrene

Relative potency factors for these seven PAHs are shown in Table 4-3 (U.S. EPA 1993).

Each carcinogenic PAH concentration was multiplied by the assigned relative potency factor, and the results were summed to achieve a total B(a)P equivalent concentration.

For results reported as "nondetect" (i.e., qualified as "U" [analyte not reported above the detection limit] or "UJ" [analyte was analyzed for but not detected; the sample detection limit is an estimated value]), a value of one-half the detection limit was used. Estimated values ("J" qualified) were used without modification. For samples with associated field duplicates, the highest analyte concentration was selected to represent the sample result.

B(a)P equivalent concentrations were compared to an Alameda Point preliminary screening criterion of 620 µg/kg for residential use. This value was agreed upon by the Navy, regulatory agencies, and the City of Alameda during the PAH technical meeting (DON 2001b). This preliminary screening criterion of 620 µg/kg for residential use corresponds to a risk value of 1×10^{-5} (1 additional cancer case in a population of 100,000), which was derived from the U.S. EPA Region 9 PRGs for residential soil (U.S. EPA 2004).

As shown on Figure 4-5 and detailed in Table 4-1, only one B(a)P equivalent concentration was above the preliminary screening criterion of 620 µg/kg for residential use. This near-surface soil sample, collected along the northern boundary of EBS Parcel 153, had a B(a)P equivalent concentration of 810 µg/kg (location MW410-3). Additionally, as presented in Appendix F, detection limits for selected SVOCs in soil at eight EBS parcels within Transfer Parcel EDC-12 exceeded screening criteria. Based on the historical activities conducted at the locations where these samples were collected, SVOCs in soil that were analyzed with elevated detection limits represent a data gap at EBS Parcel 151.

SVOCs were not reported at concentrations above screening criteria in the groundwater samples evaluated in this SI Report.

4.4 PESTICIDES AND POLYCHLORINATED BIPHENYLS

No pesticides or PCBs were reported at concentrations above screening criteria in soil or groundwater samples evaluated in this SI Report. Groundwater samples were not analyzed for pesticides and PCBs. Figure 4-6 shows the locations of soil samples analyzed for pesticides and PCBs.

4.5 METALS

No metals were reported at concentrations above screening criteria (including background levels) in soil or groundwater samples evaluated in this SI Report. Figure 4-7 shows the metals sampling locations and identifies the locations where metals concentrations were above residential or industrial PRGs but below background levels.

Section 5
HUMAN-HEALTH RISK EVALUATION

A screening-level human-health risk evaluation was conducted to evaluate whether chemical concentrations in soil and groundwater might pose potential human-health concerns that would require further evaluation.

A conceptual site model (CSM) for human health is used to identify ways in which people might come into contact with chemicals of potential concern in soil or groundwater (Figure 5-1). Current land use at Transfer Parcel EDC-12 is divided between an area of light industrial activity in the paved southern and eastern portions of the site and a vacant lot (CAA-11B) in the northwestern portion of the site. The former Navy hangar and other buildings are currently occupied and used for boat repair and similar activities. The vacant lot at CAA-11B is not currently in use. Therefore, the current receptors in this area are adult workers. The proposed future use of Transfer Parcel EDC-12 is a recreational area with a marina and parks. Currently complete exposure pathways for workers are largely limited to inhalation of vapors that might migrate from soil or groundwater through the pavement, except in CAA-11B, which is not in daily use. Future soil exposure pathways for children and adults could also include ingestion, dermal contact, inhalation of vapors in indoor and outdoor air, and inhalation of dust in outdoor air.

The human-health risk evaluation was based on protection of future receptors, including children and adults. The cancer risk and noncancer hazard values were calculated using published residential risk-based guidelines, although residential use is not proposed as part of current redevelopment plans. Residential U.S. EPA Region 9 PRGs, using Cal-modified values where available, and Water Board ESLs for indoor air address the following pathways for cancer and noncancer health effects in this human-health risk evaluation:

- soil – ingestion, dermal contact, inhalation of vapors in indoor and outdoor air, and inhalation of airborne dust particles in outdoor air, for adults and children
- groundwater – ingestion and inhalation of vapors while showering, and inhalation of vapors in indoor air, for adults and children

Human-health risk was evaluated for 9 of the 18 EBS parcels included within the boundary of Transfer Parcel EDC-12 (EBS Parcels 140, 141, 150, 150B, 151, 153, 154, 159, and 201) using analytical results from samples collected during environmental studies at Alameda Point (Figure 4-1). Human-health risk was not evaluated at EBS Parcels 138, 139, and 155C because these parcels are located entirely within CAAs and are being addressed under the TPH Program. Human-health risk was not evaluated at EBS Parcels 134, 155, 160, 164, 199 or 202 because no soil or groundwater samples were collected from these parcels. Sampling was not conducted at these EBS parcels because potential impact to soil or groundwater from site activities was not identified during the 1994 EBS or subsequent investigations. The data set used in this risk evaluation has been presented and discussed in Section 4. Groundwater in portions of EBS Parcels 150B, 151, 153, 154, and 201 was excluded from the human-health risk evaluation because it is being addressed as part of adjacent IR site activities.

5.1 TARGET RISKS

The total cancer risk and a noncancer hazard index (HI) were calculated using both soil and groundwater data for each EBS parcel evaluated. For cancer risk, separate target risk

levels were assessed for PAH and non-PAH analytes in soil. The cumulative target cancer risk level for PAHs in soil was equivalent to 10^{-5}, which corresponds to the B(a)P equivalent preliminary screening criterion of 620 µg/kg for residential use at Alameda Point. The cumulative target cancer risk level for non-PAH analytes in soil and for all chemical classes in groundwater was 10^{-6}, which is the point of departure specified in the National Oil and Hazardous Substances Pollution Contingency Plan under Title 40 *Code of Federal Regulations* Section 300.

For noncancer adverse health effects, the target risk level was a hazard quotient (HQ) of 1 for individual analytes and a cumulative HI of 1 for all analytes. Comparison of a cumulative HI value with a target level of 1 is protective because the U.S. EPA recommends adding HQ values only for chemicals that affect similar target organs.

Lead was evaluated separately, using the Cal-modified PRG for lead in soil of 150 mg/kg and the U.S. EPA and California regulatory action level for lead in groundwater of 15 micrograms per liter (DHS 2003).

5.2 DECISION PROCESS

Human-health risks were evaluated using the decision processes shown on Figures 5-1, 5-2, and 5-3. As depicted on these figures, the total risk, including risk for both soil and groundwater, was compared to the target risk levels for cancer and noncancer effects. If the total cancer risk was greater than 10^{-6} or the HI was greater than 1, soil and groundwater were evaluated separately.

If the total groundwater cancer risk or noncancer HI was greater than the target risk level, risks and hazards from metals with concentrations below background concentrations were subtracted to obtain an incremental groundwater cancer risk or noncancer hazard. If the resulting risk or hazard was above the target risk level, further action may be warranted.

The risk evaluation is considered protective of both on-site and off-site receptors. Off-site receptors will have lower levels of exposure for similar exposure pathways than those estimated for hypothetical future residents in this risk evaluation. For example, the potential risk to off-site receptors associated with recreational use of San Francisco Bay is adequately addressed by the risk evaluation, which assumes ingestion of groundwater by using tap water PRGs. Therefore, decisions made to protect on-site receptors will also be protective of off-site receptors.

The total risk in soil was initially calculated for all analytes (including PAHs and metals reported at concentrations below background levels). The risk from PAHs was then subtracted to evaluate PAH soil cancer risk only (target risk equivalent to 10^{-5}). Cancer risks from metals with concentrations below background levels were subtracted from the total non-PAH soil cancer risk to obtain an incremental non-PAH soil cancer risk (target risk of 10^{-6}). Similarly, HQs for those metals with concentrations below background levels were subtracted from the total HI to obtain an incremental soil HI (target HI of 1). An incremental non-PAH HI was also calculated. If the incremental non-PAH cancer risk, PAH cancer risk, or incremental HI was above the target risk levels, further evaluation may be warranted.

5.3 DETERMINATION OF EXPOSURE POINT CONCENTRATIONS

Exposure point concentrations (EPCs) were determined for all analytes in soil and groundwater at Transfer Parcel EDC-12. An EPC is the concentration that represents the level of exposure for a human lifetime. For this SI Report, the maximum reported concentrations were selected as EPCs. Use of the maximum reported concentration may overestimate the potential human-health risk.

5.4 RISK RESULTS

Cancer and noncancer risks were calculated by dividing the EPC by the chemical-specific residential soil or tap water PRG or, for VOCs, the ESL for indoor air if the ESL was more stringent (lowest concentration) than the PRG. The ratio of the EPC to the risk-based guideline was multiplied by 10^{-6} to convert the ratio to a cancer risk probability. For noncancer risk, the ratio is equivalent to the HQ. Calculations are presented for the more stringent value when both the U.S. EPA and Cal-modified PRGs are presented in the U.S. EPA Region 9 PRG list. Surrogate PRGs were used for those analytes that do not have state or federal PRGs, based on chemical similarity with compounds for which PRGs have been developed.

The risks for PAHs were calculated individually rather than using the B(a)P equivalency approach. This approach allows evaluation of the individual contribution of each PAH to the cancer risk.

Of the nine EBS parcels evaluated, EBS Parcels 140, 141, 150, and 159 had total risks (including metals at concentrations below background) at or below the target risk level, as follows.

- EBS Parcels 140, 150, and 159 had total soil cancer risks equal to or less than 10^{-6} and total soil HIs less than 1; there were no groundwater samples collected at these parcels. Additionally, the maximum reported lead concentration in soil at EBS Parcel 159 was below the Cal-modified PRG; lead was not reported in soil at EBS Parcels 140 and 150.

- EBS Parcel 141 had a total soil HI of less than 1, and the maximum reported lead concentration in soil was below the Cal-modified PRG. No carcinogenic compounds were reported in soil at this parcel; therefore, no cancer risk was calculated. Additionally, no groundwater samples were collected from this parcel.

Soil risk for EBS Parcels 140, 141, 150, and 159 are presented in Appendix B and summarized in Table 5-1.

The remaining five EBS parcels (EBS Parcels 150B, 151, 153, 154, and 201) had incremental soil risks (excluding metals at concentrations below background), soil PAH risks, soil HIs, and soil lead levels below the target risk levels, as follows.

- EBS Parcel 150B had a total soil cancer risk of 2×10^{-6} and a total soil HI of 0.05; groundwater data for this parcel were not included in the evaluation because they are from samples located within the boundary of the IR Site 16

groundwater plume. The soil PAH cancer risk was 2×10^{-6}. After subtracting metals present at concentrations below background levels, the incremental soil non-PAH cancer risk was 3×10^{-8}. Lead concentrations were below the Cal-modified PRG for soil.

- EBS Parcel 151 had a total soil cancer risk of 2×10^{-5} and a total soil HI of 1; groundwater data for this parcel were not included in the evaluation because they are from samples located within the boundary of the IR Site 16 groundwater plume. The soil PAH cancer risk was 2×10^{-6}. After subtracting metals present at concentrations below background levels, the incremental soil non-PAH cancer risk was 1×10^{-7}. Lead concentrations were below the Cal-modified PRG for soil.
- EBS Parcel 153 had a total soil cancer risk of 6×10^{-5} and a total soil HI of 0.9; groundwater data for this parcel were not included in the evaluation because they are from samples located within the boundary of the IR Site 9 groundwater plume. The soil PAH cancer risk was 4×10^{-6}. After subtracting metals present at concentrations below background levels, there was no incremental soil non-PAH cancer risk. Lead was not reported in soil.
- EBS Parcel 154 had a total cancer risk of 4×10^{-5} and a total HI of 2, including soil and groundwater. Of this total, the total soil cancer risk was 4×10^{-5} and the total soil HI was 2; there was no groundwater cancer risk, and the total groundwater HI was 0.004. The soil PAH cancer risk was 2×10^{-7}. After subtracting metals present at concentrations below background levels, the incremental soil non-PAH cancer risk was 3×10^{-7} and the incremental soil HI was 0.2. Lead concentrations were below the Cal-modified PRG for soil.
- EBS Parcel 201 had a total soil cancer risk of 3×10^{-5} and a total soil HI of 1; groundwater data for this parcel were not included in this evaluation because they are from samples located within the boundary of the IR Site 9 groundwater plume. The soil PAH cancer risk was 7×10^{-8}. After subtracting metals present at concentrations below background levels, the incremental soil non-PAH cancer risk was 1×10^{-9}. Lead concentrations were below the Cal-modified PRG for soil.

Total and incremental (background) soil risks and groundwater risks for these EBS parcels are presented in Appendix B and summarized in Table 5-1.

5.5 UNCERTAINTY ANALYSIS

The uncertainty analysis discusses the level of confidence that can be placed in the results of the screening-level risk evaluation. The areas of importance for this screening-level risk evaluation include data adequacy, EPCs, and the reliability of the risk-based levels from state and federal agencies, as discussed below.

- Samples collected during previous investigations were biased towards worst-case locations based on historical uses, previous SIs, and reviews of aerial photographs. Contaminants reported at concentrations above screening criteria were either 1) defined laterally or 2) incorporated into an AOC.

- The EPC is the maximum concentration of each chemical that has ever been reported; the receptors are assumed to be in contact with this concentration for 350 days a year for 30 years. U.S. EPA guidance recommends that the risk be based on an average concentration. Therefore, use of the maximum concentration is more protective than the EPC that would be used in a baseline risk assessment or is likely to be encountered in any actual exposure that might occur.
- The risk-based levels from U.S. EPA, Cal/EPA, and the Water Board are intended as screening levels so that soil with concentrations below these levels can be considered safe for unrestricted residential use. The presence of concentrations above these levels does not indicate a health concern but only that further evaluation may be warranted.

In addition, the potential groundwater exposure pathway for a construction or utility worker is considered to be an incomplete or limited pathway for Transfer Parcel EDC-12. Although it is possible that future construction or repair of existing utilities could result in trenching operations at or below the groundwater level, standard industrial practices would preclude most contact with groundwater. Special techniques are used for construction below the groundwater to keep the work area reasonably dry. A construction project in Transfer Parcel EDC-12 would likely require sheet piling or a similar cut-off technique as well as sumps and pumps to keep the trenches dry enough to allow work to proceed. This pathway is therefore considered an insignificant source of exposure for a potential construction or utility worker.

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Section 6
ECOLOGICAL EVALUATION

This section describes biological habitats, representative organisms, and special-status species at Alameda Point and Transfer Parcel EDC-12. This ecological evaluation is a streamlined approach that evaluates potentially complete exposure pathways, potential presence of special-status species and habitats, and a CSM (BEI 2004a).

6.1 ECOLOGICAL SETTING AT ALAMEDA POINT

The ecological information for Alameda Point presented in this subsection is based on a review of previously prepared environmental documents (City of Oakland 2002; LSA 2001, 2002; Parsons 2001; USACE and Port of Oakland 2000; USACE et al. 1998; WRT 2002; TtFW 2004, EDAW 2005) and on a June 16, 2004, site visit. Habitat descriptions are based on information presented in California Wildlife Habitat Relationships System (CDFG 2001; Sawyer and Keeler-Wolf 1995; Mayer and Laudenslayer, Jr. 1988).

6.1.1 Ecological Habitats at Alameda Point

The following six ecological habitats occur at or within a 1-mile radius of Alameda Point.

6.1.1.1 BARREN HABITAT

Barren habitat generally offers little value to wildlife; it may serve as a corridor between other habitats or as a place of brief resting, but it is not a significant place of shelter. The California least tern (*Sterna antillarum browni*), however, has established a nesting colony in the runway/tarmac within Transfer Parcel Federal Agency Disposal (FED)-1A at Alameda Point.

6.1.1.2 URBAN HABITAT

Urban habitat generally supports few wildlife species due to human disturbances and limited vegetation. Vegetation includes grass lawns, ornamental trees, and landscaped shrubs. At Transfer Parcel EDC-12, urban habitat includes narrow strips of unpaved areas in the northern portion of the site which are also characterized by non-native grasslands. Typical animal representatives of the urban habitat include the house finch (*Carpodacus mexicanus*), house sparrow (*Passer domesticus*), American robin (*Turdus migratorius*), red-winged blackbird (*Agelaius phoeniceus*), western scrub jay (*Aphelocoma californica*), California ground squirrel (*Spermophilus beecheyi*), and feral cats. In addition, raccoon (*Procyon lotor*), striped skunk (*Mephitis mephitis*), and Virginia opossum (*Didelphis virginiana*) may occur occasionally. Some of the buildings may provide shelter for bats such as the pallid bat (*Antrozous pallidus*) and Brazilian free-tailed bat (*Tadarida brasiliensis*).

6.1.1.3 ANNUAL GRASSLAND HABITAT

Annual grassland habitat offers shelter, forage, and nesting opportunities for a variety of animal species. The annual grassland habitat at Alameda Point occurs mostly as a

disturbed habitat due to various facility-related activities such as periodic mowing. The grassland vegetation consists primarily of nonnative grasses and herbaceous plants. The northern harrier (*Circus cyaneus*), killdeer (*Charadrius vociferus*), California horned lark (*Eremophila alpestris*), and burrowing owl (*Athene cunicularia*) are avian species that nest in the grassland habitat of Alameda Point. Avian predators occurring in the grassland habitat include the red-tailed hawk (*Buteo jamaicensis*), northern harrier, American peregrine falcon (*Falco peregrinus anatum*), white-tailed kite (*Elanus leucurus*), and American kestrel (*Falco sparverius*). Prey species occurring in the grassland habitat include the rock dove (*Columba livia*), mourning dove (*Zenaida macroura*), black-tailed hare (*Lepus californicus*), cottontail rabbit (*Sylvilagus floridanus*), and California ground squirrel. Raccoon, striped skunk, and Virginia opossum may forage in the grassland region. Small areas of scrub habitat occur within the grassland habitat.

6.1.1.4 COASTAL SCRUB HABITAT

Coastal scrub habitat occurs along the margins of the wetlands and in an area along the south shore (in Transfer Parcel FED-1A). The coastal scrub habitat on Alameda Point occurs as a disturbed habitat with mixed scrub vegetation and vegetation from the nonnative grassland. This habitat is sometimes referred to as ruderal upland vegetation. Wildlife characteristics of the scrub habitat are essentially the same as for the grassland habitat.

6.1.1.5 WETLAND HABITAT

Several saline emergent wetland habitat areas, also known as salt marshes, occur at Alameda Point. The West Beach Landfill Wetland (22.3 acres) is located at the western end of Alameda Point (PRC and Montgomery Watson 1994). The Runway Wetland (12.7 acres) is located along the southern margin of Alameda Point near Seaplane Lagoon (PRC and Montgomery Watson 1994). Three narrow areas (less than approximately 50 feet wide) of saline emergent wetland were identified in the northern portion of Alameda Point along the shoreline of Oakland Inner Harbor (TtEMI 2001c, EDAW 2005). These narrow shoreline wetlands are routinely inundated during high tide and lack a typical high-tide zone into which marsh vertebrates can escape the tidal water.

The salt marshes support characteristic vegetation, invertebrates, and birds. Few mammals occur in the salt marsh. Pickleweed (*Salicornia virginica*) is the dominant vegetation of saline emergent habitat. Numerous invertebrates occur in the salt marsh, such as polychaete worms, amphipod crustaceans, clams, snails, and crabs. Depending on the availability of water in the salt marsh, several fish species may occur, including topsmelt (*Atherinops affinis*), killifish (*Fundulus parvipinnis*), and anchovy (*Engraulis mordax* and *Anchoa compressa*).

Invertebrates represent an abundant food source for birds such as the great blue heron (*Ardea herodias*), great egret (*Ardea alba*), snowy egret (*Egretta thula*), clapper rail (*Rallus longirostris*), willet (*Catoptrophorus semipalmatus*), and American avocet (*Recurvirostra americana*). The Alameda song sparrow (*Melospiza melodia pusillula*)

and common yellowthroat (*Geothlypis trichas sinuosa*) may nest and forage in the upper reaches of the salt marsh. The Caspian tern (*Sterna caspia*) has established a significant nesting site at the West Beach Landfill Wetland. Small mammals such as house mouse (*Mus musculus*), salt marsh harvest mouse (*Reithrodontomys raviventris*), and Norway rat (*Rattus norvegicus*) may also occur in the salt marsh.

Several seasonal wetlands were identified at the western portion of Alameda Point and along some of the runway margins (TtFW 2004, EDAW 2005). Seasonal wetlands are characterized by hydrophytic vegetation (i.e., plants that have adapted to growing in the low-oxygen [anaerobic] conditions associated with prolonged saturation or flooding). Common plants in the seasonal wetlands in the western portion of Alameda Point include salt grass (*Distichlis spicata*), dock willow (*Rumex salicifolius*), bird's-foot trefoil (*Lotus corniculatus*), and creeping spikerush (*Eleocharis macrostachyas*) (TtFW 2004). Common plants in seasonal wetlands in the central portion of Alameda Point include sand pygmy weed (*Crassula erecta*), loose-strife hyssop (*Lythrum hyssopifolia*), rabbit's-foot grass (*Polypogon monspeliensis*), and Baltic rush (*Juncus balticus*) (EDAW 2005). The seasonal wetlands provide rest, shelter, and forage for Canada geese (*Branta canadensis*) and other migratory water fowl. No amphibians have been reported at Alameda Point, but the California slender salamander (*Batrachoseps attenuatus*) and the Pacific tree frog (*Pseudacris regilla*, formerly *Hyla regilla*) may potentially occur in the grassland or seasonal wetland areas (USFWS 1998).

6.1.1.6 ESTUARINE HABITAT

Estuarine habitat of San Francisco Bay exists in the intertidal and subtidal zones along the shoreline of Alameda Point and at nearby aquatic areas. To the north of Alameda Point is the San Francisco Bay waterway known as Oakland Inner Harbor. A man-made embayment known as Seaplane Lagoon is located in the southeastern portion of Alameda Point. The main body of San Francisco Bay is adjacent to the southern margin of Alameda Point. Predominant vegetation includes eelgrass (*Zostera marinara*), various marine algae, and phytoplankton.

The estuarine habitat supports numerous invertebrates, including polychaete worms, amphipod crustaceans, clams, snails, and crabs. Common fish species include topsmelt, jacksmelt (*Atherinopsis californiensis*), Pacific herring (*Clupea harengus*), northern anchovy (*Engraulis mordax*), arrow goby (*Clevelandia ios*), yellowfin goby (*Acanthogobius flavimanus*), striped bass (*Morone saxatilis*), shiner perch (*Cymatogaster aggregata*), Pacific staghorn sculpin (*Leptocottus armatus*), white croaker (*Genyonemus lineatus*), and English sole (*Pleuronectes vetulus*). Numerous other fish species are also present. During migration, chinook salmon (*Oncorhynchus tshawytscha*) also occur in the estuarine habitat.

Fish and invertebrates occurring in the estuarine habitat represent a food source for many birds, including the California least tern, California brown pelican (*Pelecanus occidentalis californicus*), western grebe (*Aechmophorus occidentalis*), and western snowy plover (*Charadrius alexandrinus nivosus*). Harbor seal (*Phoca vitulina*) and

California sea lion (*Zalophus californicus californianus*) forage in the estuarine habitat and use the rock shoreline and breakwaters as haul-out sites.

6.1.2 Sensitive Habitats at Alameda Point

Wetlands, eelgrass beds, and the California least tern nesting area on the paved runway/tarmac are considered sensitive habitats. The wetlands occur in the western portion of Alameda Point. Salt marsh wetlands are located near shoreline areas; seasonal wetlands are located in some low grassy areas. Eelgrass beds are located in the shallow water off the west end of Alameda Point. The California least tern nesting site is on the runway/tarmac in the southeastern portion of the airfield in Transfer Parcel FED-1A.

6.1.3 Special-Status Species at Alameda Point

Special-status species for Alameda Point are those plant and animal species that are classified as threatened, endangered, or species-of-concern by state or federal agencies (CDFG 2006a,b,c,d,e). Table 6-1 provides a list of special-status species that may have occurred or have the potential to occur in the terrestrial or aquatic habitats in the vicinity of Alameda Point. Local environmental impact reports were used to determine the likelihood of these species occurring at or in the vicinity of Alameda Point (LSA 2001, WRT 2002). Of the 51 species listed on Table 6-1, 27 are unlikely to be present at Alameda Point because of barren or disturbed habitat. Twelve have been confirmed at Alameda Point, and 12 more are considered possibly present.

Point Reyes bird's-beak (*Cordylanthus maritimus palustris*), a small annual herb, and California seablite (*Suaeda californica*), a perennial shrub, which grow along the fringe of coastal salt marshes, have not been reported at Alameda Point since 1917. According to historical records, the grassland and scrub plant species alkali milk vetch (*Astragalus tener* var. *tener*), San Francisco Bay spineflower (*Chorizanthe cuspidata* var. *cuspidata*), robust spineflower (*Chorizanthe robusta* var. *robusta*), Santa Cruz tarplant (*Holocarpha macradenia*), Kellogg's horkelia (*Horkelia cuneata sericea*), Contra Costa goldfields (*Lasthenia conjugens*), and Adobe sanicle (*Sanicula maritima*) have also not been observed in the area for many years. It is therefore unlikely that these species will occur at Alameda Point. None of the plant species on state or federal lists were reported in vegetation surveys at Alameda Point (LSA 2001).

Steelhead (*Oncorhynchus mykiss*) and Chinook salmon traverse San Francisco Bay during migration from the ocean to the Sacramento River delta and freshwater rivers and streams (USACE et al. 1998). Green sturgeon (*Acipenser medirostris*) occur primarily in the northern portion of San Francisco Bay (San Pablo and Suisun Bays) and spawn in the rivers (USACE et al. 1998). Steelhead, salmon, and sturgeon may occasionally occur in the vicinity of Alameda Point. The delta smelt (*Hypomesus transpacificus*) and longfin smelt (*Spirinichus thaleichthys*), which spawn in freshwater streams and are more numerous in the northern portion of the bay, may occur in the water adjacent to Alameda Point. The tidewater goby (*Eucyclogobius newberryi*), which prefers the lower salinity of the delta regions, may occur near Alameda Point.

The Alameda whipsnake (*Masticophus lateralis euryxanthus*) occurs primarily in scrub habitat and occasionally in grassland habitat. The Alameda whipsnake has not been observed at Alameda Point and is unlikely to occur due to limited habitat. The western pond turtle (*Clemmys marmorata*) may occur in wetland areas that are inundated by stormwater runoff.

Occasional observations of marine mammals such as seals and sea lions, including the Steller sea lion (*Eumetopias jubatus*), have been recorded in the area near Alameda Point. The Steller sea lion is not expected to occur regularly near Alameda Point. The salt marsh harvest mouse and salt marsh wandering shrew (*Sorex vagrans halicoetes*) inhabit salt marshes, but neither has been observed at Alameda Point. No salt marsh harvest mice were reported during a biological survey conducted in 1995 (TtEMI 2003a). The San Francisco dusky-footed wood rat (*Neotoma fuscipes annectens*) and Alameda Island mole (*Scapanus latimanus parvus*) are unlikely to occur at Alameda Point, based on infrequent observations in the past. The pallid bat, California mastiff bat (*Eumops perotis californicus*), and Townsend's western big-eared bat (*Corynorhinus townsendii townsendii*) may occur at Alameda Point and may forage in the grassland and scrub habitats.

Several sea birds, shore birds, and salt marsh birds such as the western snowy plover, long-billed curlew (*Numenius americanus*), California least tern, Caspian tern, double-crested cormorant (*Phalacrocorax auritus*), California brown pelican, California clapper rail, California black rail (*Laterallus jamaicensis coturniculus*), salt marsh common yellowthroat, and Alameda song sparrow occur or may occur at Alameda Point wetlands and grasslands. Sea birds such as cormorants, pelicans, and terns may forage for fish in the bay at Oakland Inner Harbor or Seaplane Lagoon. Several birds may occur in the grassland or scrub habitats of Alameda Point, such as the northern harrier, merlin (*Falco columbarius*), burrowing owl, California horned lark, loggerhead shrike (*Lanius ludovicianus*), white-tailed kite, American peregrine falcon, and golden eagle (*Aquila chrysaetos*).

None of the special-status plant, fish, or reptile species have been recently recorded at Alameda Point. The only special-status mammal recently recorded at Alameda Point is the Steller sea lion, which has occasionally been observed in nearby waters. The only special-status species regularly recorded at Alameda Point are aquatic and upland birds.

6.2 ECOLOGICAL SETTING AT TRANSFER PARCEL EDC-12

The following subsections describe ecological habitats, potentially sensitive habitats, and special-status species at Transfer Parcel EDC-12. A CSM for the parcel is also presented.

6.2.1 Ecological Habitats at Transfer Parcel EDC-12

Transfer Parcel EDC-12, which is a developed area consisting primarily of paved areas and buildings (Figure 6-1), is largely barren habitat. The paved surfaces and buildings represent approximately 53 acres of barren habitat of the 54-acre parcel. A 1-acre unpaved landscaped area is also present, representing urban habitat. This landscaped area occupies about 2 percent of the land area of Transfer Parcel EDC-12 and is surrounded by barren habitat of paved surfaces and buildings.

The vegetation in urban habitat areas is characterized by landscaped ornamental species and other nonnative species. The landscaped area may provide resting and foraging areas for typical urban wildlife including house finch, American robin, and the California ground squirrel. Urban habitat generally supports few wildlife species due to human disturbances and limited vegetation. Wildlife may occasionally be found in the barren habitat, usually as a result of moving between other preferred habitats.

6.2.2 Potentially Sensitive Habitats at Transfer Parcel EDC-12

No sensitive habitats, such as wetlands or nesting areas, are located at Transfer Parcel EDC-12.

6.2.3 Special-Status Species at Transfer Parcel EDC-12

None of the special-status species shown in Table 6-1 are known or suspected to occur at Transfer Parcel EDC-12 except for the special-status bats that are suspected to roost in abandoned buildings at Alameda Point and forage over areas of annual grassland or scrub habitat. Therefore, the bats would likely have no direct contact with soil or groundwater at Transfer Parcel EDC-12.

Special-status birds may occasionally be observed at the urban or barren habitats of Transfer Parcel EDC-12. However, Transfer Parcel EDC-12 offers little value to wildlife and likely serves only as a corridor between other preferred habitats.

6.2.4 Conceptual Site Model for Transfer Parcel EDC-12

A CSM is a representation of the known, expected, and/or predicted relationships between chemicals of potential ecological concern (COPECs) and ecological receptors at a site. The CSM identifies contaminant sources, fate and transport mechanisms, exposure pathways, and ecological receptors, based on current knowledge about Alameda Point and Transfer Parcel EDC-12. A generalized CSM for Transfer Parcel EDC-12 is presented on Figure 6-2.

Transfer Parcel EDC-12 investigations have reported the presence of TPH in soil. Fate and transport mechanisms that provide for potential exposure of terrestrial organisms to COPECs, such as erosion, direct contact, bioaccumulation, and ingestion, are precluded by the presence of the buildings and pavement covering most of Transfer Parcel EDC-12. In addition, ecological receptors, including special-status species, are likely absent from the parcel due to the building and pavement cover. Therefore, the CSM suggests that no complete pathways are present between the COPECs and ecological receptors at Transfer Parcel EDC-12.

6.3 ECOLOGICAL SUMMARY

Transfer Parcel EDC-12 consists primarily of areas of barren habitat (roadways and buildings). It is unlikely that special-status species occur in the barren habitat because of the poor habitat quality caused by the presence of the buildings and pavement covering

most of the site. Therefore, no complete exposure pathways, sensitive habitats, or special-status species are likely to be present at Transfer Parcel EDC-12.

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Section 7
CONCLUSIONS AND RECOMMENDATIONS

This section presents the conclusions and rationales for recommendations for further evaluation or no further evaluation for the EBS parcels located wholly or partially within Transfer Parcel EDC-12 that have been addressed in this SI Report. EBS parcels or portions of EBS parcels located in Transfer Parcel EDC-12 but also wholly or partially located in CAA-9, CAA-11A, or CAA-11B (EBS Parcels 138, 139, and 155C and portions of EBS Parcels 140, 150, 159, and 202) were not evaluated in this report. Additionally, groundwater in the eastern portions of EBS Parcels 150B, 151, 154, and 201 and the northern and western portions of EBS Parcel 153 is excluded from the evaluation because it is currently being addressed as part of the activities at adjacent IR sites. Recommendations were developed using a decision process that evaluated the following factors:

- transfer parcel history, including chemical usage and storage
- findings of the supplemental aerial photograph review
- analytical results from previous sampling of soil and groundwater
- results of the screening-level human-health risk evaluation

These four factors were considered in combination in making recommendations for Transfer Parcel EDC-12; no single factor was used alone to make a recommendation. Because no complete exposure pathways for ecological receptors and no special-status species were found to exist at this parcel, no ecological factors affected the recommendations.

The Navy will conduct an evaluation to address the issue of aircraft parking and staining throughout Transfer Parcel EDC-12, as suggested by the regulatory agencies; this evaluation will be conducted for the entire transfer parcel, regardless of whether a particular EBS parcel has a history of aircraft parking or staining.

Areas recommended for further evaluation beyond the aircraft parking and staining evaluation were identified as AOCs. The six AOCs identified at Transfer Parcel EDC-12 are shown on Figure 7-1. The sizes and shapes of the AOCs are estimated to indicate their general locations but are not intended to define the potential extent of contamination; the actual sizes and shapes of the AOCs will be delineated when the AOCs and aircraft parking and staining evaluation areas are investigated further and the historical aircraft parking and staining areas are more accurately outlined. Table 7-1 summarizes the potential environmental concerns, lists the Navy's recommendations, and identifies the six AOCs at Transfer Parcel EDC-12.

Additionally, groundwater in five EBS parcels within Transfer Parcel EDC-12 is recommended for continued monitoring as part of the remedial activities being conducted at adjacent IR Sites 9 and 16.

7.1 EBS PARCEL 134

An aircraft parking and staining evaluation will be conducted for EBS Parcel 134. No further evaluation beyond the aircraft parking and staining evaluation is recommended for EBS Parcel 134. Although the 1994 EBS report for EBS Parcel 134 indicated that the EBS parcel was historically used for material storage, maintenance equipment parking, paint storage, and vehicle parking, storage activities associated with the EBS parcel were

most likely located within the portion designated as EBS Parcel 134A (located outside the boundary of Transfer Parcel EDC-12), based on the proximity to EBS parcel buildings. EBS Parcel 134 is located more than 300 feet away from the site of building activities conducted at EBS Parcel 134A. Additionally, no chemical or hazardous waste storage was observed or documented at the parcel and no staining was observed during the aerial photograph review. Additionally, only limited staining associated with parked vehicles (e.g., cars and forklifts) was observed at the parcel during the EBS inspection. Based on these findings, no samples were collected, and potential impacts to soil and groundwater from site activities are deemed unlikely.

7.2 EBS PARCEL 140

An aircraft parking and staining evaluation will be conducted for EBS Parcel 140. In addition, further evaluation is recommended for a portion of EBS Parcel 140 located outside CAA-11B; this area is identified as AOC 1 (Figure 7-1). AOC 1 is intended to address the former presence of two storage yards located north of Building 168 in IR Site 27. Although the exact location or contents of these storage yards could not be verified, they were potentially located in the portion of EBS Parcel 140 evaluated in this SI Report.

No further evaluation beyond the aircraft parking and staining evaluation is recommended for the remaining portion of EBS Parcel 140 located outside CAA-11B, based on the absence of chemical storage, staining, spills, or other incidents noted during the EBS inspection; reported chemical concentrations below detection limits or screening criteria; and the findings of the screening-level human-health risk evaluation, which indicate that the total cancer risk and HI for this portion of the parcel are below target risk levels.

7.3 EBS PARCEL 141

An aircraft parking and staining evaluation will be conducted for EBS Parcel 141. No further evaluation beyond the aircraft parking and staining evaluation is recommended for EBS Parcel 141 which was historically used as a general warehouse. No further evaluation is recommended based on the absence of chemical or hazardous waste storage, limited staining observed during the EBS inspection, reported chemical concentrations in soil below screening criteria, the absence of any carcinogenic compounds reported, and the findings of the screening-level human-health risk evaluation, which indicate that the calculated HI for soil is below the target risk level. Although ordnance was historically stored for approximately 13 years in the southern portion of the warehouse, it was documented to have entered and exited the building in packaged condition and was noted during the EBS inspection to be stored in a proper and safe manner. Additionally, no ordnance storage or staining or spills associated with former ordnance were observed during the EBS inspection.

7.4 EBS PARCEL 150

An aircraft parking and staining evaluation will be conducted for EBS Parcel 150. In addition, further evaluation is recommended for the northeastern corner of EBS Parcel 150; this area is identified as AOC 2 (Figure 7-1). AOC 2 is intended to address a reported concentration of TPH as motor oil in soil above the ESL at adjacent EBS Parcel 150B. Additionally, AOC 2 is intended to address the limited analyses for samples collected from the SWMU location (GAP 621) northeast of Building 621 and from the drum storage area located south of the building; although oil-soaked rags and unknown materials were noted to be stored in these areas, the soil samples collected during the EBS were analyzed for VOCs only.

No further evaluation beyond the aircraft parking and staining evaluation is recommended for the remaining portion of EBS Parcel 150 located outside CAA-9A because chemical concentrations in samples collected at this portion of the parcel were below screening criteria. Additionally, the total cancer risk and HI for soil in this area are below target risk levels.

7.5 EBS PARCEL 150B

An aircraft parking and staining evaluation will be conducted for EBS Parcel 150B. In addition, further evaluation is recommended for the northwestern and central portions of EBS Parcel 150B; these areas are identified as AOCs 2 and 3, respectively (Figure 7-1). EBS Parcel 150B was historically used for housing maintenance services, aircraft parking, IDW staging, aircraft parts storage, and as an aircraft scrap yard.

AOC 2 is located in the northwestern corner of the EBS parcel and addresses the elevated concentration of TPH as motor oil reported in the EBS soil sample collected in this area. Samples collected during a second phase to address the elevated concentration were collected approximately 300 feet south of the original location.

AOC 3 is located in the central portion of the parcel and addresses TPH as motor oil reported in soil at concentrations above ESLs. TPH as motor oil in these locations has not been sufficiently delineated.

Groundwater in the eastern portion of EBS Parcel 150B will continue to be addressed as part of IR Site 16. Previous investigations and remedial efforts conducted at IR Site 16 indicate the presence of a VOC plume that extends into Transfer Parcel EDC-12, including the eastern portion of EBS Parcel 150B.

No further evaluation beyond the aircraft parking and staining evaluation is recommended for the remaining portion of EBS Parcel 150B. Chemical concentrations in this portion of the parcel were below screening criteria and did not contribute to elevated risk at the parcel.

7.6 EBS PARCEL 151

An aircraft parking and staining evaluation will be conducted for EBS Parcel 151. In addition, further evaluation is recommended for soil at EBS Parcel 151; this area is

identified as AOC 3 (Figure 7-1). Further evaluation is recommended for soil due to concentrations of TPH as motor oil reported above screening criteria in soil in the eastern portion of the parcel and the historical use of the central and western portion as a wood-treatment area. Although samples were collected in the vicinity of the wood-treatment area, detection limits for SVOCs, including PAHs, were above the screening criteria. Due to the potential use of creosote in the wood-treatment process, a data gap for SVOCs in soil exists in this portion of the parcel.

Groundwater in the eastern portion of EBS Parcel 151 will continue to be addressed as part of IR Site 16. Previous investigations and remedial efforts conducted at IR Site 16 indicate the presence of a VOC plume that extends into Transfer Parcel EDC-12, including the eastern portion of EBS Parcel 151.

7.7 EBS PARCEL 153

An aircraft parking and staining evaluation will be conducted for EBS Parcel 153. In addition, further evaluation is recommended for the southeastern corner of EBS Parcel 153; this area is identified as AOC 2 (Figure 7-1). AOC 2 is intended to address concentrations of TPH as motor oil reported above screening criteria in soil at adjacent EBS Parcel 150B.

Evaluation of groundwater in the northern and western portions of EBS Parcel 153 is recommended for inclusion in the ongoing RI at IR Site 9. Previous investigations and remedial efforts conducted at IR Site 9 indicated the presence of a VOC plume that extends into Transfer Parcel EDC-12, including the eastern portion of EBS Parcel 153.

No further evaluation for soil is recommended beyond the aircraft parking and staining evaluation in the remaining areas of EBS Parcel 153, based on the lack of chemical and hazardous materials storage or spills and the minimal staining observed. Additionally, although one B(a)P equivalent concentration was above the screening criterion in a soil sample collected at this parcel, the exceedance was by less than a factor of 1.5. Additionally, PAHs were not present at concentrations above the screening criterion in soil across the transfer parcel as a whole during the PAH study conducted at Transfer Parcel EDC-12. Remaining chemicals in soil were reported at concentrations below screening criteria, and the risk from soil at the parcel is below the target risk level.

7.8 EBS PARCEL 154

An aircraft parking and staining evaluation will be conducted for EBS Parcel 154. In addition, further evaluation is recommended for the portion of EBS Parcel 154 that is not included in IR Site 9 groundwater activities. This area is identified as AOC 4 and includes Building 167 and surrounding open space (Figure 7-1). AOC 4 is intended to address undelineated concentrations of TPH as diesel reported in soil at concenftrations above the ESL, the absence of historical sampling information due to elevated detection limits for SVOCs and TPH as motor oil in soil samples, and the absence of sampling at two SWMUs located at Building 167 (NADEP GAPs 67 and 69). In addition, AOC 4 is recommended to further evaluate the sediments in the storm sewer segment south of Building 167 that originates in EBS Parcel 154. AOC 4 is also intended to assess

potential impacts to soil and groundwater from historical maintenance and washdown of aircraft and other vehicles that may have occurred in the vicinity of Building 167.

Groundwater in the eastern portion of EBS Parcel 154 will continue to be addressed as part of IR Site 9. Previous investigations and remedial efforts conducted at IR Site 9 indicate the presence of a VOC plume that extends into Transfer Parcel EDC-12, including the eastern portion of EBS Parcel 154.

No further evaluation is recommended for the remaining portion of EBS Parcel 154, based on chemical concentrations in the remaining portion of the parcel reported below screening criteria and adequate sampling of target areas and SWMUs in this portion of the parcel. Additionally, chemical concentrations in the remaining portion of EBS Parcel 154 did not contribute to an elevated cancer risk or HI at the parcel. No further evaluation is also recommended for SWMUs NADEP GAPs 68, 71, and 72 and NAS GAP 28 since sampling results indicate no contamination.

7.9 EBS PARCEL 155

An aircraft parking and staining evaluation will be conducted for EBS Parcel 155. No further evaluation beyond the aircraft parking and staining evaluation is recommended for EBS Parcel 155, based on the historical use of the parcel as a waterfront area with no chemical storage, spills, or leaks reported or observed.

7.10 EBS PARCEL 159

An aircraft parking and staining evaluation will be conducted for EBS Parcel 159. In addition, further evaluation is recommended for groundwater in the southern portion of EBS Parcel 159, which is included in AOC 5. The southern portion of EBS Parcel 159 was included in AOC 5 to assess potential impacts from historical maintenance and washdown of aircraft and other vehicles.

No further evaluation beyond the aircraft parking and staining evaluation is recommended for the remaining portion of EBS Parcel 159. One soil sample collected at the EBS parcel had a TPH as motor oil concentration that exceeded the residential screening criterion by 10 mg/kg but was below the industrial screening criterion of 1,000 mg/kg. This sample was collected as part of a zonewide sampling effort conducted during the EBS that looked at impacts from railroad activities from a zonewide perspective. The locations adjacent to the railroad presenting the highest likelihood of impact were selected for sampling during this zonewide effort and results were considered to be representative of the worst-case scenario. Overall, the EBS concluded that there was no significant impact to underlying soil and groundwater from historical railroad activities. In addition, no other chemicals were reported in soil at EBS Parcel 159 at concentrations that exceeded screening criteria and the cancer risk and HI calculated using historical soil data were below target levels.

7.11 EBS PARCEL 160

An aircraft parking and staining evaluation will be conducted for EBS Parcel 160. No further evaluation beyond the aircraft parking and staining evaluation is recommended for this parcel based on the absence of stains, spills, and chemical storage identified at the parcel. Industrial activities and chemical storage occurred in the open space of EBS Parcel 160, as noted during the 1994 EBS. However, based on the location of supporting structures at the parcel, these industrial activities and chemical storage were most likely located at EBS Parcel 160A, which is outside the boundary of Transfer Parcel EDC-12.

7.12 EBS PARCEL 164

An aircraft parking and staining evaluation will be conducted for EBS Parcel 164. No further evaluation beyond the aircraft parking and staining evaluation is recommended for EBS Parcel 164, which was historically used for storage and packaging of aviation equipment. No staining, spills, or chemical use, storage, or disposal occurred at the parcel.

7.13 EBS PARCEL 199

An aircraft parking and staining evaluation will be conducted for EBS Parcel 199. No further evaluation beyond the aircraft parking and staining evaluation is recommended for EBS Parcel 199, which was historically used for storage and testing of flexible hoses and piping. No staining, spills, or chemical use, storage, or disposal occurred at the parcel.

7.14 EBS PARCEL 201

An aircraft parking and staining evaluation will be conducted for EBS Parcel 201. No further evaluation beyond the aircraft parking and staining evaluation is recommended for the remaining portion of EBS Parcel 201 located within Transfer Parcel EDC-12, which was historically used as an aircraft maintenance hangar. No further evaluation is recommended because chemicals were reported in soil at concentrations below screening criteria and the calculated cancer risk and noncancer HI were below the target risk levels. In addition, no further evaluation is recommended for SWMUs NADEP GAPs 65 and 66 since sampling results indicate no contamination.

Groundwater in the eastern portion of EBS Parcel 201 will continue to be addressed as part of IR Site 9. Previous investigations and remedial efforts at IR Site 9 indicate the presence of a VOC plume that extends into Transfer Parcel EDC-12, including the eastern portion of EBS Parcel 201.

7.15 EBS PARCEL 202

An aircraft parking and staining evaluation will be conducted for EBS Parcel 202. In addition, further evaluation is recommended for the immediate area surrounding AST 584; this area is identified as AOC 6 (Figure 7-1). AOC 6 is recommended to investigate the potential release of corrosion-inhibiting chemicals that may have been

used at AST 584. No further evaluation beyond the aircraft parking and staining evaluation is recommended for the portion of EBS Parcel 202 located outside CAA-9A. This portion of the parcel was historically used as part of an air compression and steam plant and largely includes open space. No staining, spills, or chemical use, storage, or disposal occurred at this EBS parcel.

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Section 8
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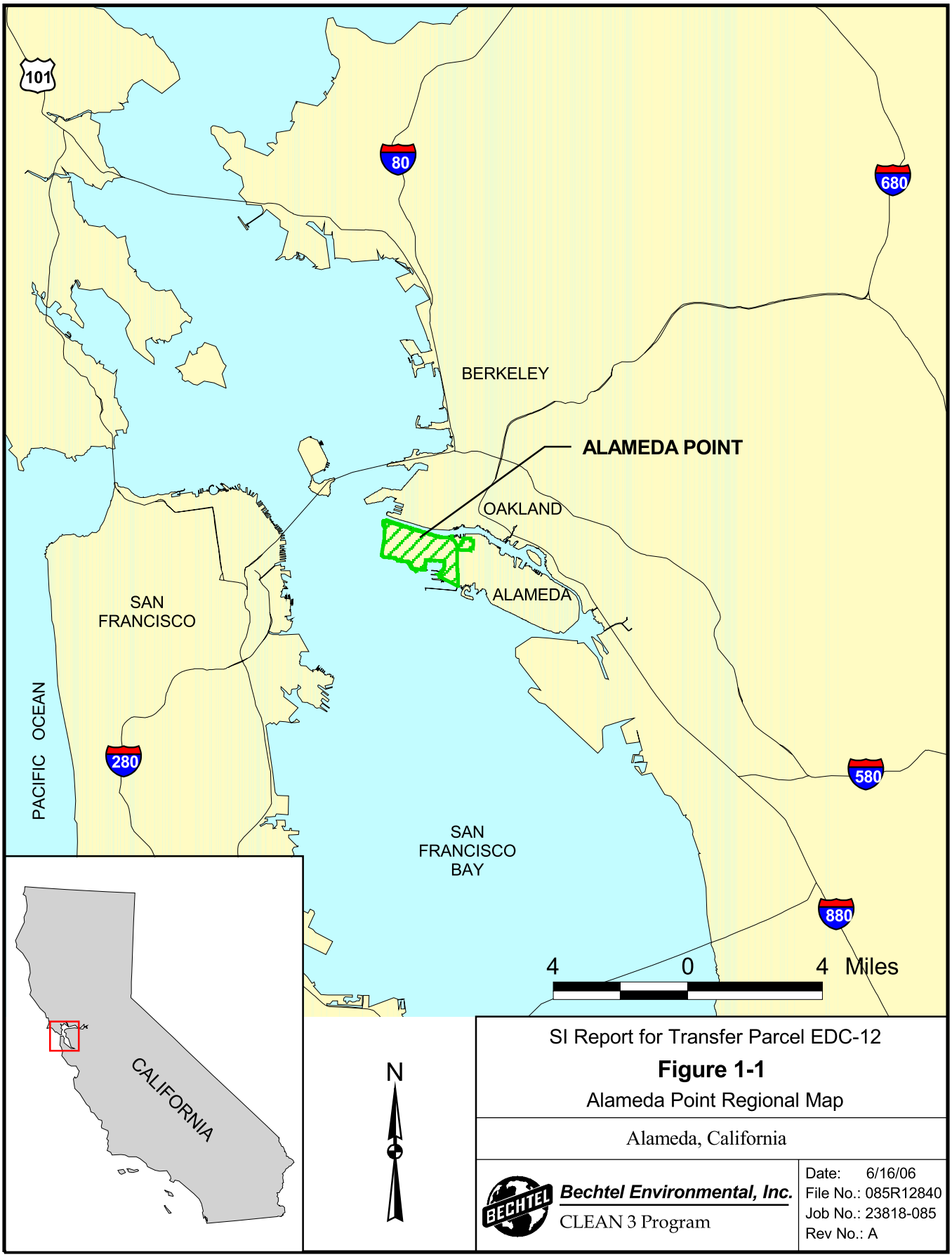
ALAMEDA POINT
SSIC NO. 5090.3

FIGURES

FINAL
SITE INSPECTION REPORT
TRANSFER PARCEL EDC-12

DATED 10 OCTOBER 2007



SI Report for Transfer Parcel EDC-12

Figure 1-1

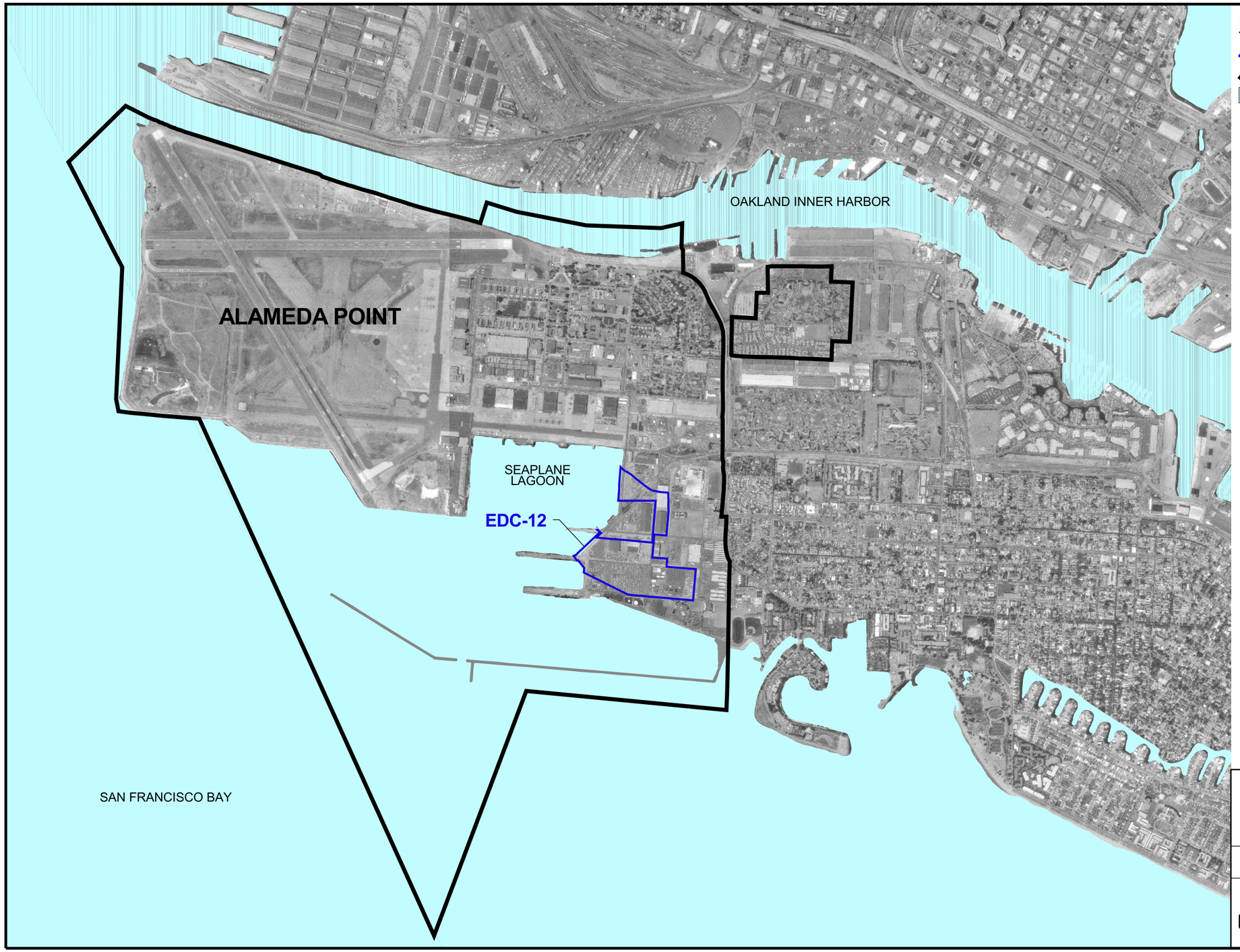
Alameda Point Regional Map

Alameda, California

Bechtel Environmental, Inc.

CLEAN 3 Program

Date: 6/16/06
File No.: 085R12840
Job No.: 23818-085
Rev No.: A



LEGEND

- TRANSFER PARCEL EDC-12 BOUNDARY
- ALAMEDA POINT NAVY PROPERTY BOUNDARY
- WATER

NOTES:

EDC – ECONOMIC DEVELOPMENT CONVEYANCE

SI – SITE INSPECTION

SOURCE:

UNITED STATES GEOLOGICAL SURVEY. 1993. DIGITAL ORTHOPHOTO QUADRANGLE. OAKLAND WEST 1:24,000 QUADRANGLE. JULY 10.

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SI Report for Transfer Parcel EDC-12

Figure 1-2

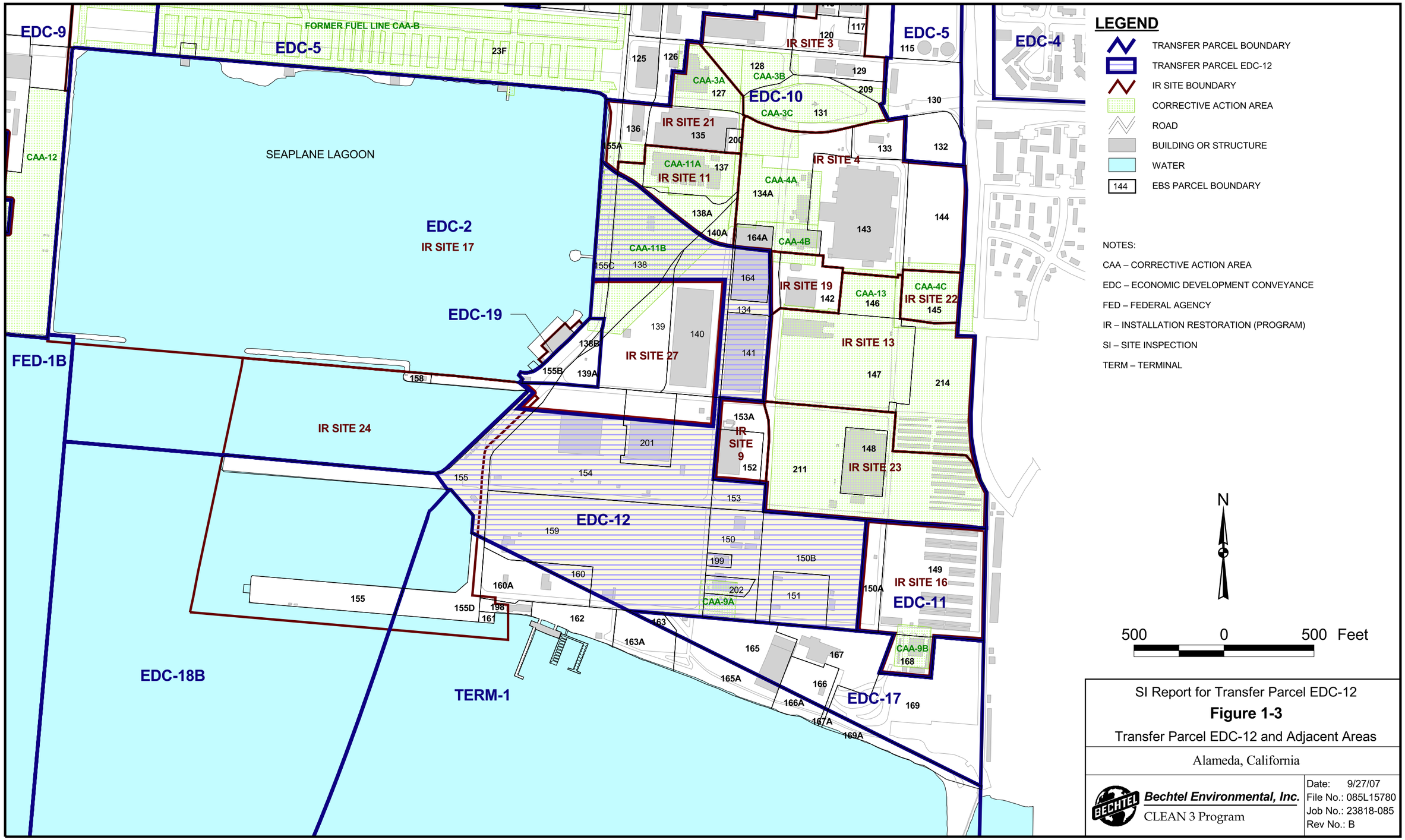
Location of Transfer Parcel EDC-12 in Alameda Point

Alameda, California

Bechtel Environmental, Inc.

CLEAN 3 Program

Date: 8/20/07
File No.: 085L15779
Job No.: 23818-085
Rev No.: A



LEGEND

- TRANSFER PARCEL BOUNDARY
- TRANSFER PARCEL EDC-12
- IR SITE BOUNDARY
- CORRECTIVE ACTION AREA
- ROAD
- BUILDING OR STRUCTURE
- WATER
- 144 — EBS PARCEL BOUNDARY

NOTES:

CAA – CORRECTIVE ACTION AREA

EDC – ECONOMIC DEVELOPMENT CONVEYANCE

FED – FEDERAL AGENCY

IR – INSTALLATION RESTORATION (PROGRAM)

SI – SITE INSPECTION

TERM – TERMINAL

SI Report for Transfer Parcel EDC-12

Figure 1-3

Transfer Parcel EDC-12 and Adjacent Areas

Alameda, California

Bechtel Environmental, Inc.

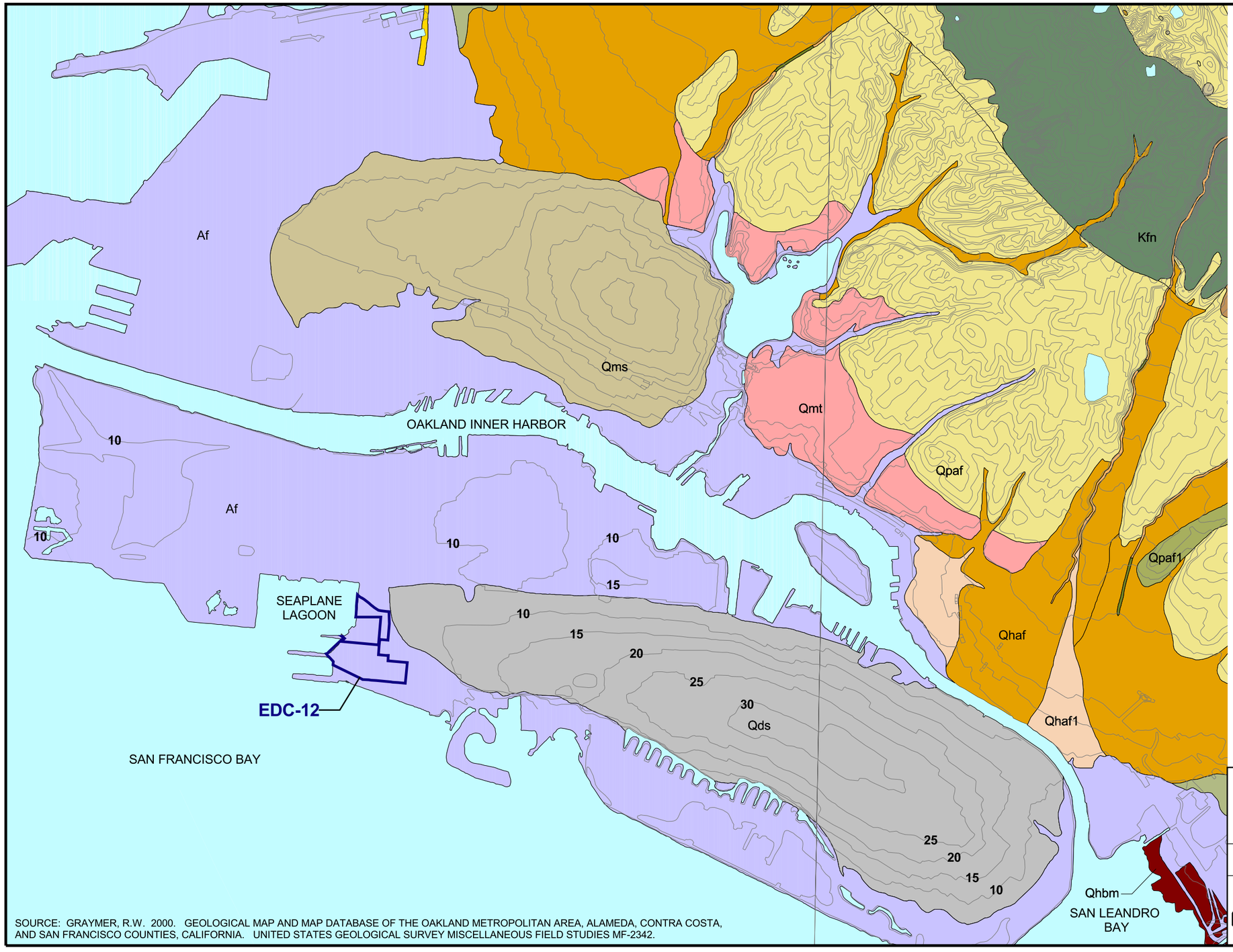
CLEAN 3 Program

Date: 9/27/07

File No.: 085L15780

Job No.: 23818-085

Rev No.: B



SOURCE: GRAYMER, R.W. 2000. GEOLOGICAL MAP AND MAP DATABASE OF THE OAKLAND METROPOLITAN AREA, ALAMEDA, CONTRA COSTA, AND SAN FRANCISCO COUNTIES, CALIFORNIA. UNITED STATES GEOLOGICAL SURVEY MISCELLANEOUS FIELD STUDIES MF-2342.

LEGEND

- TRANSFER PARCEL EDC-12 BOUNDARY
- 10 TOPOGRAPHIC INTERVAL IN FEET ABOVE MEAN SEA LEVEL
- WATER
- Af - ARTIFICIAL FILL

QUATERNARY (Q) PERIOD:

- Qds - DUNE SAND
- Qhaf - ALLUVIAL FAN AND FLUVIAL DEPOSITS (HOLOCENE)
- Qhaf1 - YOUNGER ALLUVIAL FAN DEPOSITS (HOLOCENE)
- Qhbm - BAY MUD (HOLOCENE)
- Qms - MERRITT SAND (HOLOCENE AND PLEISTOCENE)
- Qpaf - ALLUVIAL FAN AND FLUVIAL DEPOSITS (PLEISTOCENE)
- Qpaf1 - ALLUVIAL TERRACE DEPOSITS (PLEISTOCENE)
- Qmt - MARINE TERRACE DEPOSITS (PLEISTOCENE)

CRETACEOUS (K) PERIOD:

- Kfn - SANDSTONE (LATE CRETACEOUS)

NOTES:

EDC – ECONOMIC DEVELOPMENT CONVEYANCE

SI – SITE INSPECTION

N

3000 0 3000 Feet

SI Report for Transfer Parcel EDC-12

Figure 2-1

Regional Topography and Geology

Alameda, California

Bechtel Environmental, Inc.

CLEAN 3 Program

Date: 7/20/06
File No.: 085R12843
Job No.: 23818-085
Rev No.: A

TOP OF UNIT (IN FEET BELOW GROUND SURFACE)	STRATIGRAPHIC UNITS			HYDROGEOLOGIC UNITS
0	FILL (UNDERLAIN BY MARSH CRUST AT SOME LOCATIONS)			WATER TABLE AQUIFER - NOT A PRIMARY AQUIFER (FWBZ)
5-15	BAY SEDIMENT UNIT (BSU)			AQUITARD
20-50	MERRITT SAND FORMATION			MERRITT SAND AQUIFER - A PRIMARY AQUIFER (SWBZ)
60-80	SAN ANTONIO FORMATION	UPPER UNIT	ALLUVIAL DEPOSITS	
90-120		LOWER UNIT	YERBA BUENA MUD	AQUITARD
			OTHER ESTUARINE DEPOSITS	
100-200	ALAMEDA FORMATION	UPPER CLAY-RICH PORTION		
180-220		ALLUVIAL DEPOSITS		ALAMEDA AQUIFER - PRINCIPAL REGIONAL AQUIFER
400-800	FRANCISCAN FORMATION			

NOTES:

FWBZ - FIRST WATER-BEARING ZONE
SWBZ - SECOND WATER-BEARING ZONE

SOURCE:

TETRA TECH EM INC. 1999. OU-2 RI REPORT DRAFT, ALAMEDA POINT, ALAMEDA, CALIFORNIA. PREPARED FOR THE UNITED STATES DEPARTMENT OF THE NAVY, ENGINEERING FIELD ACTIVITY WEST, NAVAL FACILITIES ENGINEERING COMMAND, SAN BRUNO, CALIFORNIA. JUNE 29.

SI Report for Transfer Parcel EDC-12

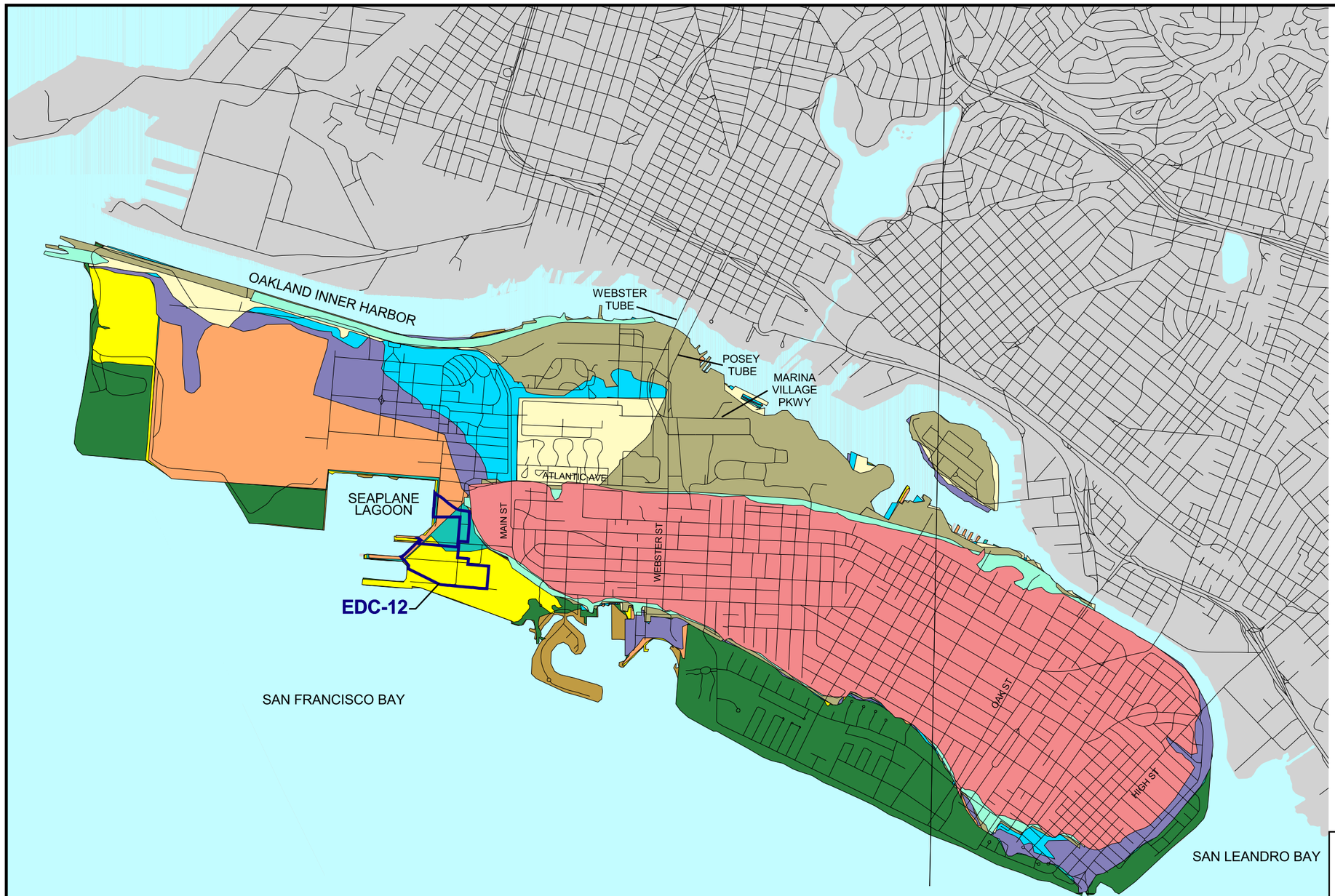
Figure 2-2

Schematic Stratigraphy and Hydrogeology of Alameda Point

Alameda, California

Bechtel Environmental, Inc.
CLEAN 3 Program

Date: 6/16/06
File No: 085C12844
Job No: 23818-085
Rev No: A



LEGEND

- TRANSFER PARCEL EDC-12 BOUNDARY
- DRY LAND 1859
- FILL MATERIAL IN PLACE IN 1903
- FILL MATERIAL IN PLACE IN 1919
- FILL MATERIAL IN PLACE IN 1927
- FILL MATERIAL IN PLACE IN 1930
- FILL MATERIAL IN PLACE IN 1936
- FILL MATERIAL IN PLACE IN 1941
- FILL MATERIAL IN PLACE IN 1945
- FILL MATERIAL IN PLACE IN 1949
- FILL MATERIAL IN PLACE IN 1959
- FILL MATERIAL IN PLACE IN 1973
- WATER

NOTES:

EDC – ECONOMIC DEVELOPMENT CONVEYANCE

SI – SITE INSPECTION

N

3000 0 3000 Feet

SOURCES: UNITED STATES COAST GEODETIC SURVEY 1859, 1903, 1919, 1927, 1930, AND 1941; OAKLAND BOARD OF PORT COMMISSIONERS 1936 AND 1945; UNITED STATES GEOLOGICAL SURVEY 1949, 1959 [PHOTO REVISED 1968 AND 1973], 1980a, 1980b, 1980c, AND 1980d.

SI Report for Transfer Parcel EDC-12

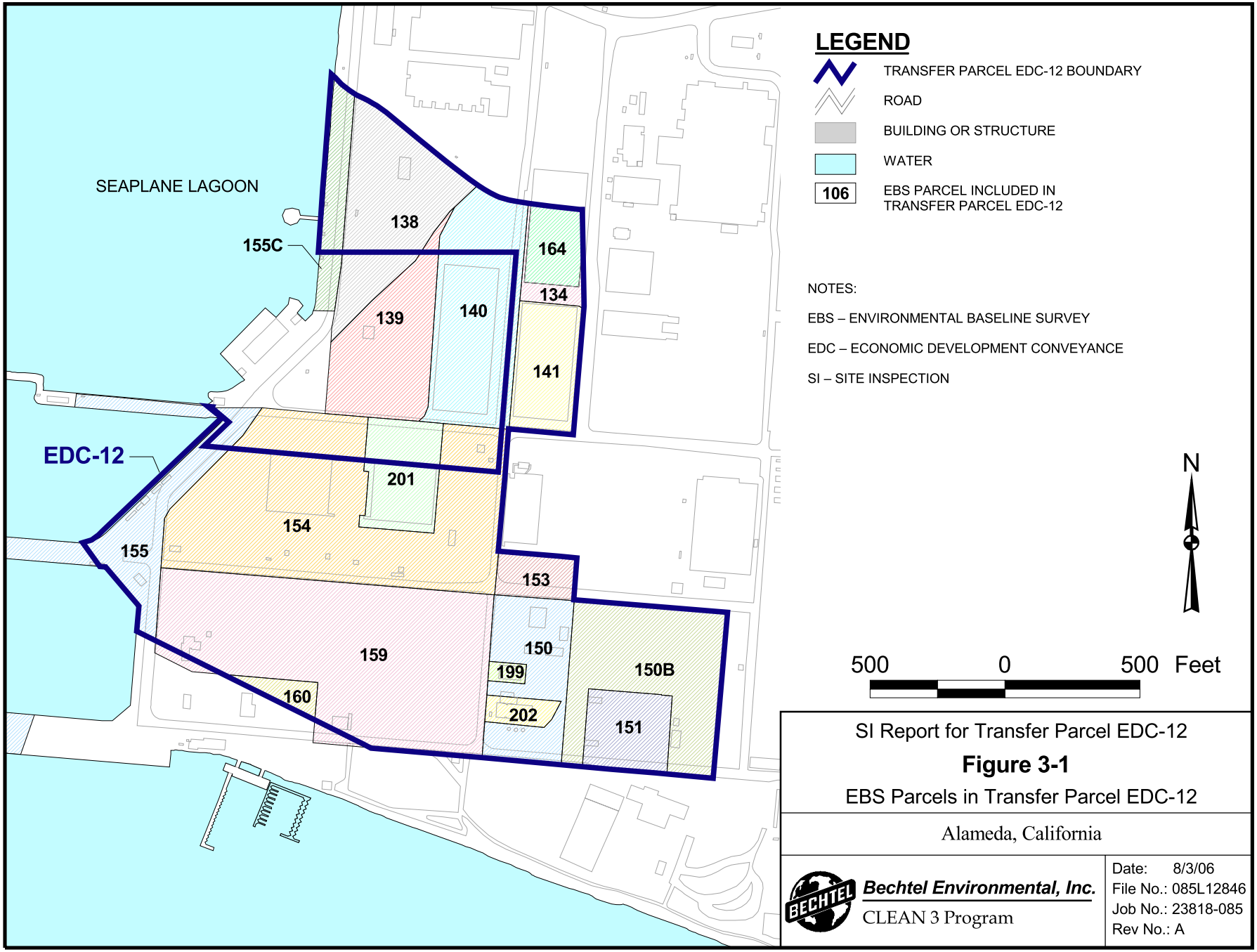
Figure 2-3

History of Artificial Fill (1859-1973)

Alameda, California

Bechtel Environmental, Inc.
CLEAN 3 Program

Date: 7/20/06
File No.: 085L12845
Job No.: 23818-085
Rev No.: A



SI Report for Transfer Parcel EDC-12

Figure 3-1

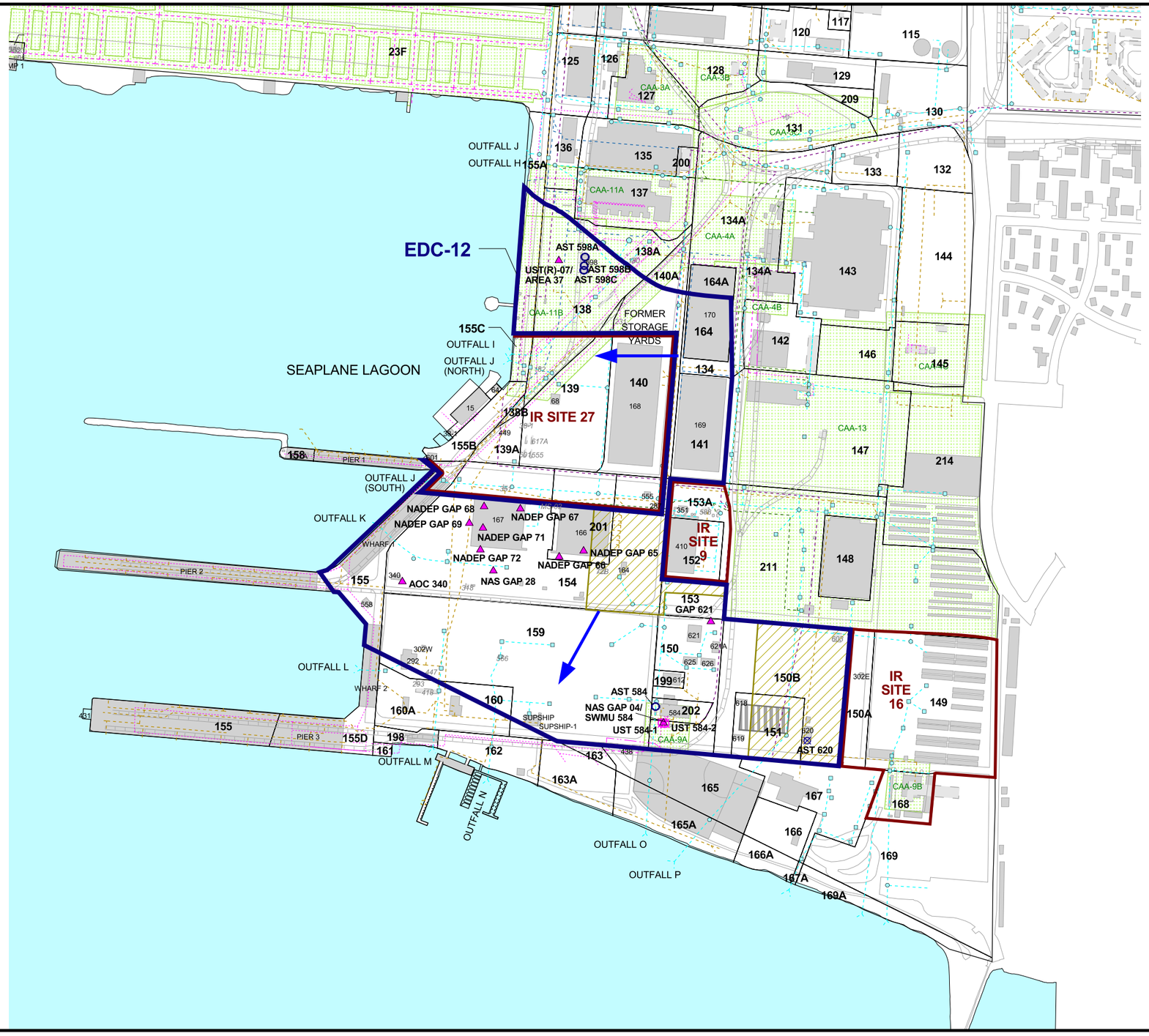
EBS Parcels in Transfer Parcel EDC-12

Alameda, California

Bechtel Environmental, Inc.

CLEAN 3 Program

Date: 8/3/06
File No.: 085L12846
Job No.: 23818-085
Rev No.: A



LEGEND

- TRANSFER PARCEL EDC-12 BOUNDARY
- IR SITE BOUNDARY
- ROAD
- WATER
- 106 — EBS PARCEL INCLUDED IN TRANSFER PARCEL EDC-12
- ADJACENT IR SITE GROUNDWATER STUDY AREA
- APPROXIMATE LOCATION OF FORMER WOOD TREATMENT AREA
- HISTORICAL RAILROAD
- 497 — BUILDING OR STRUCTURE (PRESENT)
- 300 — BUILDING OR STRUCTURE (REMOVED)
- CORRECTIVE ACTION AREA (CAA)
- SWMU LOCATION
- UNDERGROUND STORAGE TANK (REMOVED)
- ABOVEGROUND STORAGE TANK (PRESENT)
- ABOVEGROUND STORAGE TANK (REMOVED)
- CATCH BASIN
- MANHOLE
- STORM DRAIN
- STEAM LINE
- SANITARY SEWER LINE
- INDUSTRIAL WASTEWATER LINE
- GAS LINE
- FUEL LINE
- FUEL LINE (REMOVED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES:
AOC – AREA OF CONCERN
AST – ABOVEGROUND STORAGE TANK
EBS – ENVIRONMENTAL BASELINE SURVEY
EDC – ECONOMIC DEVELOPMENT CONVEYANCE
GAP – GENERATOR ACCUMULATION POINT
IR – INSTALLATION RESTORATION (PROGRAM)
NADEP – NAVAL AVIATION DEPOT
NAS – NAVAL AIR STATION
SI – SITE INSPECTION
SWMU – SOLID WASTE MANAGEMENT UNIT
UST – UNDERGROUND STORAGE TANK

N

500 0 500 Feet

SI Report for Transfer Parcel EDC-12

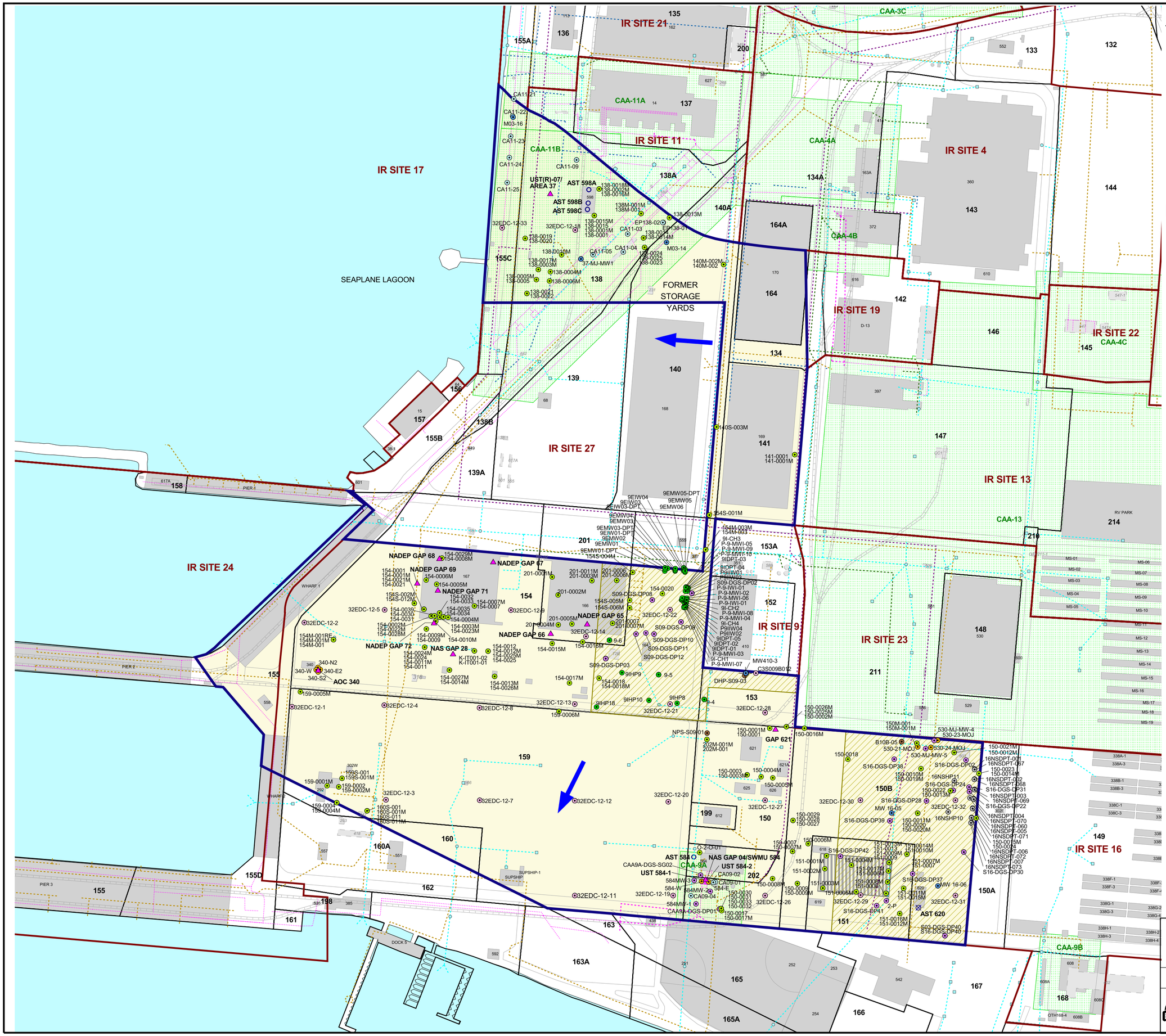
Figure 3-2

Site Features in Transfer Parcel EDC-12

Alameda, California

Bechtel Environmental, Inc.
CLEAN 3 Program

Date: 8/21/07
File No.: 085L15778
Job No.: 23818-085
Rev No.: A



SI Report for Transfer Parcel EDC-12

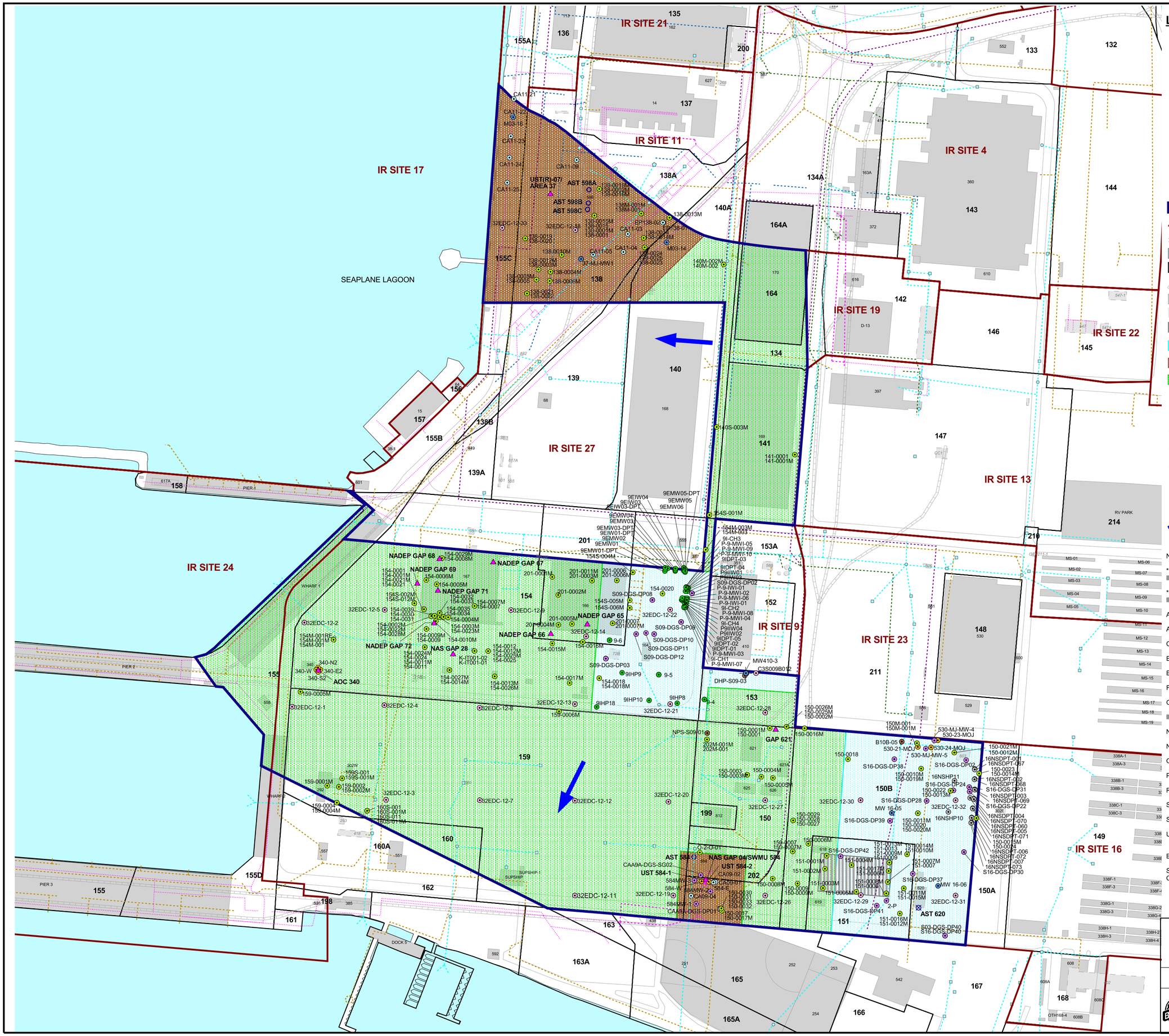
Figure 4-1

Sampling Locations in Transfer Parcel EDC-12

Alameda, California

Bechtel Environmental, Inc.
CLEAN 3 Program

Date: 8/21/07
File No.: 085L15771
Job No.: 23818-085
Rev No.: C



LEGEND

- UST INVESTIGATION SAMPLING LOCATION AND STATION ID
- BASEWIDE GROUNDWATER MONITORING PROGRAM SAMPLING LOCATION AND STATION ID
- RI/FS PHASES 1 AND 2A AND BASEWIDE GROUNDWATER MONITORING PROGRAM SAMPLING LOCATION AND STATION ID
- PAH STUDY SAMPLING LOCATION AND STATION ID
- IR SITE 9 INTERMEDIATE CHEMICAL OXIDATION PILOT STUDY SAMPLING LOCATION AND STATION ID
- CORRECTIVE ACTION DATA GAP INVESTIGATION SAMPLING LOCATION AND STATION ID
- FOLLOW-ON RI SAMPLING LOCATION AND STATION ID
- OU-1 AND OU-2 DATA GAP INVESTIGATION SAMPLING LOCATION AND STATION ID
- EBS SAMPLING LOCATION AND SAMPLE ID
- CHEMICAL OXIDATION REMOVAL ACTION SAMPLING LOCATION AND STATION ID
- TRANSFER PARCEL EDC-12
- IR SITE BOUNDARY
- ROAD
- WATER
- 106 EBS PARCEL
- HISTORICAL RAILROAD
- BUILDING OR STRUCTURE (PRESENT)
- BUILDING OR STRUCTURE (REMOVED)
- APPROXIMATE LOCATION OF FORMER WOOD TREATMENT AREA
- GROUNDWATER SAMPLING DATA IN THIS AREA ARE EXCLUDED FROM SI EVALUATION*
- SOIL AND GROUNDWATER SAMPLING DATA IN THIS AREA ARE EXCLUDED FROM SI EVALUATION**
- ALL SAMPLING DATA IN THIS AREA ARE INCLUDED IN SI EVALUATION
- CATCH BASIN
- MANHOLE
- STORM DRAIN
- STEAM LINE
- SANITARY SEWER LINE
- INDUSTRIAL WASTEWATER LINE
- GAS LINE
- FUEL LINE
- FUEL LINE (REMOVED)
- SWMU LOCATION
- ABOVEGROUND STORAGE TANK (PRESENT)
- ABOVEGROUND STORAGE TANK (REMOVED)
- UNDERGROUND STORAGE TANK (REMOVED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES:

* GROUNDWATER DATA ARE ADDRESSED BY SEPARATE INVESTIGATIONS ASSOCIATED WITH ADJACENT IR SITES

** SOIL AND GROUNDWATER DATA ARE ADDRESSED BY SEPARATE INVESTIGATIONS ASSOCIATED WITH CORRECTIVE ACTION AREAS

EBS SAMPLING LOCATIONS ARE IDENTIFIED BY SAMPLE ID

SAMPLES COLLECTED UNDER THE TPH PROGRAM WITHIN THE CORRECTIVE ACTION AREAS ARE NOT SHOWN ON THIS FIGURE

200 0 200 Feet

SI Report for Transfer Parcel EDC-12

Figure 4-2

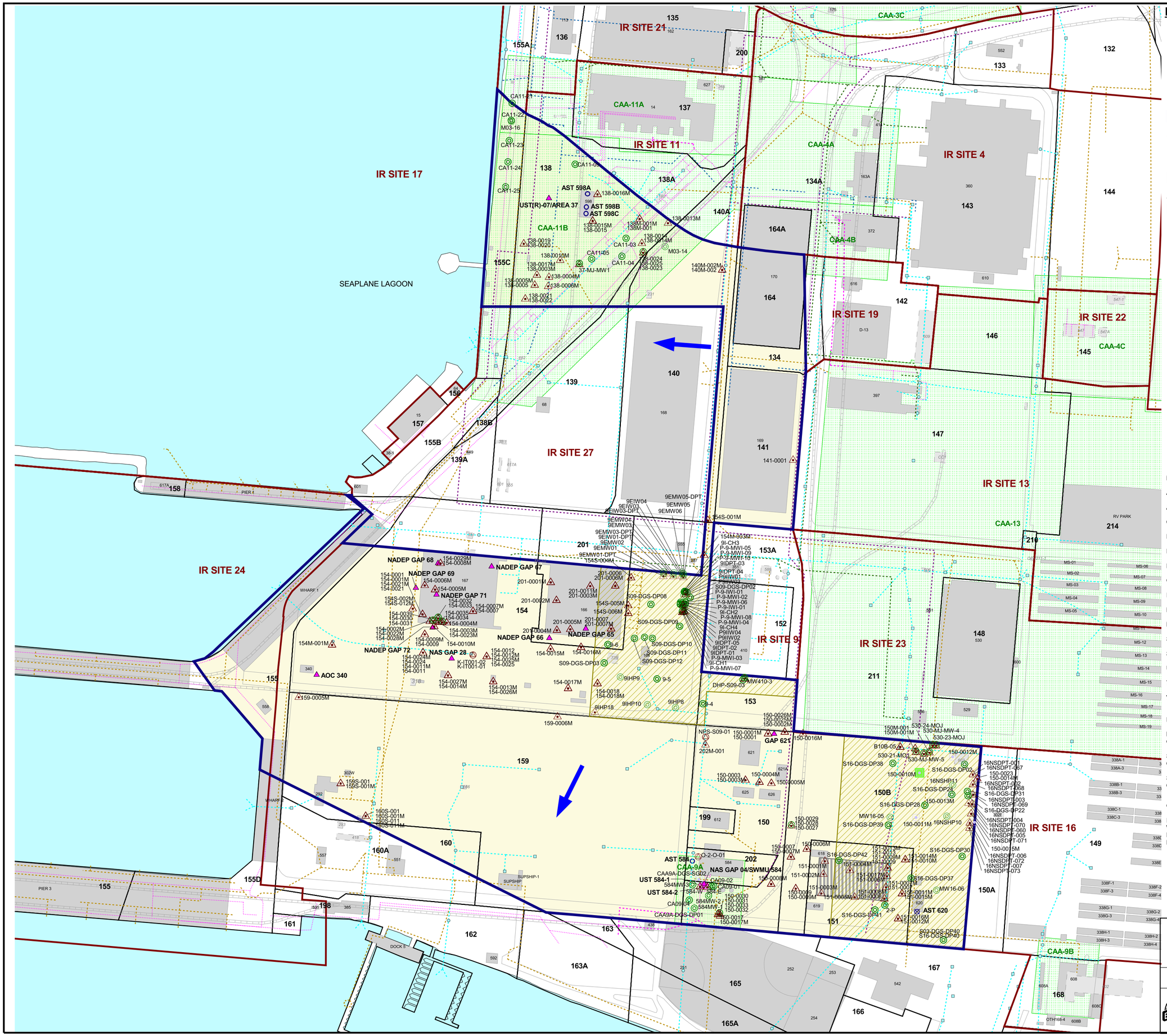
Sampling Locations Included and Excluded From Evaluation in Transfer Parcel EDC-12

Alameda, California

Bechtel Environmental, Inc.

CLEAN 3 Program

Date: 8/21/07
File No.: 085L15482
Job No.: 23818-085
Rev No.: E



LEGEND

STATION ID

- GROUNDWATER VOC SAMPLING LOCATION
- SOIL VOC SAMPLING LOCATION
- SOIL GAS VOC SAMPLING LOCATION
- MANHOLE SEDIMENT VOC SAMPLING LOCATION
- DETECTED VOC CONCENTRATION EXCEEDS INDUSTRIAL AND RESIDENTIAL ESLs FOR SHALLOW SOIL GAS
- TRANSFER PARCEL EDC-12
- IR SITE BOUNDARY
- ROAD
- WATER
- 106 EBS PARCEL
- HISTORICAL RAILROAD
- 497 BUILDING OR STRUCTURE (PRESENT)
- 300 BUILDING OR STRUCTURE (REMOVED)
- CORRECTIVE ACTION AREA
- ADJACENT IR SITE GROUNDWATER STUDY AREA
- APPROXIMATE LOCATION OF FORMER WOOD TREATMENT AREA
- CATCH BASIN
- MANHOLE
- STORM DRAIN
- STEAM LINE
- SANITARY SEWER LINE
- INDUSTRIAL WASTEWATER LINE
- GAS LINE
- FUEL LINE
- FUEL LINE (REMOVED)
- SWMU LOCATION
- ABOVEGROUND STORAGE TANK (PRESENT)
- ABOVEGROUND STORAGE TANK (REMOVED)
- UNDERGROUND STORAGE TANK (REMOVED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES:

AOC – AREA OF CONCERN

AST – ABOVEGROUND STORAGE TANK

CAA – CORRECTIVE ACTION AREA

EBS – ENVIRONMENTAL BASELINE SURVEY

EDC – ECONOMIC DEVELOPMENT CONVEYANCE

ESL – ENVIRONMENTAL SCREENING LEVEL

GAP – GENERATOR ACCUMULATION POINT

IR – INSTALLATION RESTORATION (PROGRAM)

NADEP – NAVAL AVIATION DEPOT

NAS – NAVAL AIR STATION

SI – SITE INSPECTION

SWMU – SOLID WASTE MANAGEMENT UNIT

UST – UNDERGROUND STORAGE TANK

TPH – TOTAL PETROLEUM HYDROCARBON

VOC – VOLATILE ORGANIC COMPOUND

EBS SAMPLING LOCATIONS ARE IDENTIFIED BY SAMPLE ID

LOCATIONS OF FIELD DUPLICATE SAMPLES ARE INCLUDED ON THIS FIGURE

SAMPLES LOCATED IN CORRECTIVE ACTION AREAS WERE NOT COMPARED TO SCREENING CRITERIA

SAMPLES COLLECTED UNDER THE TPH PROGRAM WITHIN THE CORRECTIVE ACTION AREAS ARE NOT SHOWN ON THIS FIGURE

GROUNDWATER FLOW DIRECTIONS FROM:

INNOVATIVE TECHNICAL SOLUTIONS, INC. 2005. FALL/ WINTER 2004 QUARTERLY GROUNDWATER MONITORING DATA REPORT, ALAMEDA POINT, ALAMEDA, CALIFORNIA. MARCH. NOT INDEPENDENTLY VERIFIED BY BECHTEL ENVIRONMENTAL, INC.

N

200 0 200 Feet

SI Report for Transfer Parcel EDC-12

Figure 4-3

Sampling Locations and Screening Criteria Exceedance – Volatile Organic Compounds

Alameda, California

Bechtel Environmental, Inc.

CLEAN 3 Program

Date: 8/21/07
File No.: 085A15772
Job No.: 23818-085
Rev No.: B

LEGEND

STATION ID

- GROUNDWATER TPH SAMPLING LOCATION
- SOIL TPH SAMPLING LOCATION
- MANHOLE SEDIMENT TPH SAMPLING LOCATION
- DETECTED TPH CONCENTRATION EXCEEDS INDUSTRIAL AND RESIDENTIAL SOIL ESLs
- DETECTED TPH CONCENTRATION EXCEEDS RESIDENTIAL SOIL ESL
- TRANSFER PARCEL EDC-12
- IR SITE BOUNDARY
- ROAD
- WATER
- 106 EBS PARCEL
- HISTORICAL RAILROAD
- 497 BUILDING OR STRUCTURE (PRESENT)
- 300 BUILDING OR STRUCTURE (REMOVED)
- CORRECTIVE ACTION AREA
- ADJACENT IR SITE GROUNDWATER STUDY AREA
- APPROXIMATE LOCATION OF FORMER WOOD TREATMENT AREA
- CATCH BASIN
- MANHOLE
- STORM DRAIN
- STEAM LINE
- SANITARY SEWER LINE
- INDUSTRIAL WASTEWATER LINE
- GAS LINE
- FUEL LINE
- FUEL LINE (REMOVED)
- SWMU LOCATION
- ABOVEGROUND STORAGE TANK (PRESENT)
- ABOVEGROUND STORAGE TANK (REMOVED)
- UNDERGROUND STORAGE TANK (REMOVED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES:

AOC – AREA OF CONCERN

AST – ABOVEGROUND STORAGE TANK

CAA – CORRECTIVE ACTION AREA

EBS – ENVIRONMENTAL BASELINE SURVEY

EDC – ECONOMIC DEVELOPMENT CONVEYANCE

ESL – ENVIRONMENTAL SCREENING LEVEL

GAP – GENERATOR ACCUMULATION POINT

IR – INSTALLATION RESTORATION (PROGRAM)

NADEP – NAVAL AVIATION DEPOT

NAS – NAVAL AIR STATION

SI – SITE INSPECTION

SWMU – SOLID WASTE MANAGEMENT UNIT

TPH – TOTAL PETROLEUM HYDROCARBON

UST – UNDERGROUND STORAGE TANK

EBS SAMPLING LOCATIONS ARE IDENTIFIED BY SAMPLE ID

LOCATIONS AND EXCEEDANCES OF FIELD DUPLICATE SAMPLES ARE INCLUDED ON THIS FIGURE

SAMPLES LOCATED IN CORRECTIVE ACTION AREAS WERE NOT COMPARED TO SCREENING CRITERIA

SAMPLES COLLECTED UNDER THE TPH PROGRAM WITHIN THE CORRECTIVE ACTION AREAS ARE NOT SHOWN ON THIS FIGURE

GROUNDWATER FLOW DIRECTIONS FROM:

INNOVATIVE TECHNICAL SOLUTIONS, INC. 2005. FALL/ WINTER 2004 QUARTERLY GROUNDWATER MONITORING DATA REPORT, ALAMEDA POINT, ALAMEDA, CALIFORNIA. MARCH. NOT INDEPENDENTLY VERIFIED BY BECHTEL ENVIRONMENTAL, INC.

N

200 0 200 Feet

SI Report for Transfer Parcel EDC-12

Figure 4-4

Sampling Locations and Screening Criteria Exceedances – Total Petroleum Hydrocarbons

Alameda, California

Bechtel Environmental, Inc.

CLEAN 3 Program

Date: 8/21/07
File No.: 085A15773
Job No.: 23818-085
Rev No.: B

LEGEND

STATION ID

- GROUNDWATER SVOC SAMPLING LOCATION
- SOIL SVOC SAMPLING LOCATION
- MANHOLE SEDIMENT SVOC SAMPLING LOCATION
- BENZO(A)PYRENE EQUIVALENT CONCENTRATION IN SOIL EXCEEDS 620 µg/kg
- TRANSFER PARCEL EDC-12
- IR SITE BOUNDARY
- ROAD
- WATER
- 106 EBS PARCEL INCLUDED IN TRANSFER PARCEL EDC-12
- HISTORICAL RAILROAD
- 497 BUILDING OR STRUCTURE (PRESENT)
- 300 BUILDING OR STRUCTURE (REMOVED)
- CORRECTIVE ACTION AREA
- ADJACENT IR SITE GROUNDWATER STUDY AREA
- APPROXIMATE LOCATION OF FORMER WOOD TREATMENT AREA
- CATCH BASIN
- MANHOLE
- STORM DRAIN
- STEAM LINE
- SANITARY SEWER LINE
- INDUSTRIAL WASTEWATER LINE
- GAS LINE
- FUEL LINE
- FUEL LINE (REMOVED)
- SWMU LOCATION
- ABOVEGROUND STORAGE TANK (PRESENT)
- ABOVEGROUND STORAGE TANK (REMOVED)
- UNDERGROUND STORAGE TANK (REMOVED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES:

AOC – AREA OF CONCERN

AST – ABOVEGROUND STORAGE TANK

B(a)P Eq. – BENZO(A)PYRENE EQUIVALENT

CAA – CORRECTIVE ACTION AREA

EBS – ENVIRONMENTAL BASELINE SURVEY

EDC – ECONOMIC DEVELOPMENT CONVEYANCE

GAP – GENERATOR ACCUMULATION POINT

IR – INSTALLATION RESTORATION (PROGRAM)

µg/kg – MICROGRAMS PER KILOGRAM

NADEP – NAVAL AVIATION DEPOT

NAS – NAVAL AIR STATION

SI – SITE INSPECTION

SWMU – SOLID WASTE MANAGEMENT UNIT

SVOC – SEMIVOLATILE ORGANIC COMPOUND

TPH – TOTAL PETROLEUM HYDROCARBON

UST – UNDERGROUND STORAGE TANK

EBS SAMPLING LOCATIONS ARE IDENTIFIED BY SAMPLE ID

LOCATIONS AND EXCEEDANCES OF FIELD DUPLICATE SAMPLES ARE INCLUDED ON THIS FIGURE

SAMPLES LOCATED IN CORRECTIVE ACTION AREAS WERE NOT COMPARED TO SCREENING CRITERIA

SAMPLES COLLECTED UNDER THE TPH PROGRAM WITHIN THE CORRECTIVE ACTION AREAS ARE NOT SHOWN ON THIS FIGURE

ASIDE FROM B(a)P, NO DETECTED SVOCS WERE PRESENT IN SOIL OR GROUNDWATER AT CONCENTRATIONS ABOVE SCREENING CRITERIA

GROUNDWATER FLOW DIRECTIONS FROM:

INNOVATIVE TECHNICAL SOLUTIONS, INC. 2005. FALL/ WINTER 2004 QUARTERLY GROUNDWATER MONITORING DATA REPORT, ALAMEDA POINT, ALAMEDA, CALIFORNIA. MARCH. NOT INDEPENDENTLY VERIFIED BY BECHTEL ENVIRONMENTAL, INC.

N

200 0 200 Feet

SI Report for Transfer Parcel EDC-12

Figure 4-5

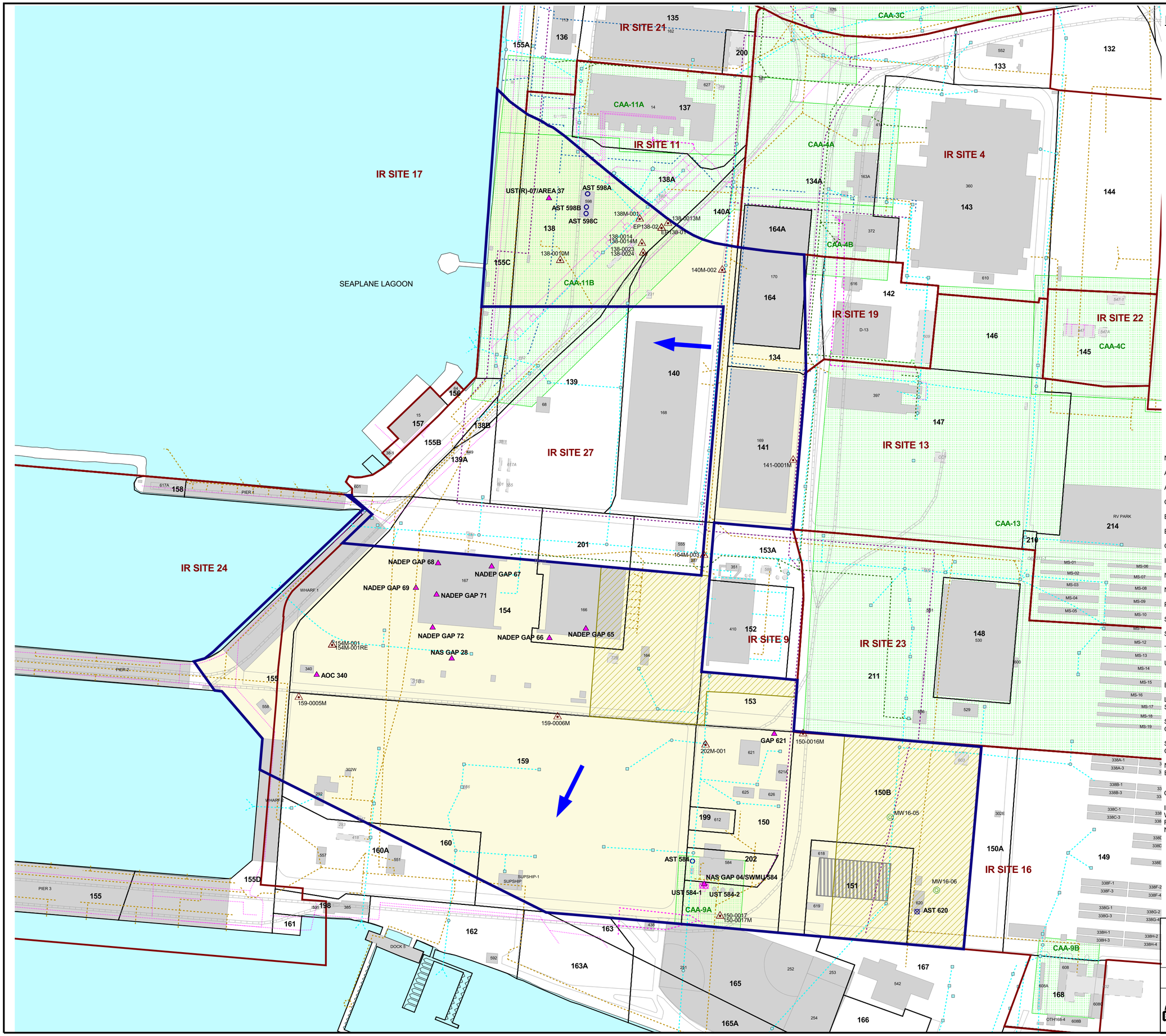
Sampling Locations and Screening Criteria Exceedances – B(a)P Eq. and SVOCs

Alamedo, California

Bechtel Environmental, Inc.

CLEAN 3 Program

Date: 8/21/07
File No.: 085A15774
Job No.: 23818-085
Rev No.: B



LEGEND

STATION ID

- SOIL PESTICIDES/PCB SAMPLING LOCATION
- TRANSFER PARCEL EDC-12
- IR SITE BOUNDARY
- ROAD
- WATER
- 106 — EBS PARCEL INCLUDED IN TRANSFER PARCEL EDC-12
- HISTORICAL RAILROAD
- BUILDING OR STRUCTURE (PRESENT)
- BUILDING OR STRUCTURE (REMOVED)
- CORRECTIVE ACTION AREA
- ADJACENT IR SITE GROUNDWATER STUDY AREA
- APPROXIMATE LOCATION OF FORMER WOOD TREATMENT AREA
- CATCH BASIN
- MANHOLE
  STORM DRAIN
  STEAM LINE
  SANITARY SEWER LINE
  INDUSTRIAL WASTEWATER LINE
  GAS LINE
  FUEL LINE
  FUEL LINE (REMOVED)
- SWMU LOCATION
- ABOVEGROUND STORAGE TANK (PRESENT)
- ABOVEGROUND STORAGE TANK (REMOVED)
- UNDERGROUND STORAGE TANK (REMOVED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES:

AOC – AREA OF CONCERN

AST – ABOVEGROUND STORAGE TANK

CAA – CORRECTIVE ACTION AREA

EBS – ENVIRONMENTAL BASELINE SURVEY

EDC – ECONOMIC DEVELOPMENT CONVEYANCE

GAP – GENERATOR ACCUMULATION POINT

IR – INSTALLATION RESTORATION (PROGRAM)

NADEP – NAVAL AVIATION DEPOT

NAS – NAVAL AIR STATION

PCB – POLYCHLORINATED BIPHENYLS

SI – SITE INSPECTION

SWMU – SOLID WASTE MANAGEMENT UNIT

TPH – TOTAL PETROLEUM HYDROCARBON

UST – UNDERGROUND STORAGE TANK

EBS SAMPLING LOCATIONS ARE IDENTIFIED BY SAMPLE ID

LOCATIONS AND EXCEEDANCES OF FIELD DUPLICATE SAMPLES ARE INCLUDED ON THIS FIGURE

SAMPLES LOCATED IN CORRECTIVE ACTION AREAS WERE NOT COMPARED TO SCREENING CRITERIA

SAMPLES COLLECTED UNDER THE TPH PROGRAM WITHIN THE CORRECTIVE ACTION AREAS ARE NOT SHOWN ON THIS FIGURE

NO DETECTED PESTICIDE/PCB ANALYTES EXCEED SCREENING CRITERIA

GROUNDWATER FLOW DIRECTIONS FROM:

INNOVATIVE TECHNICAL SOLUTIONS, INC. 2005. FALL/ WINTER 2004 QUARTERLY GROUNDWATER MONITORING DATA REPORT, ALAMEDA POINT, ALAMEDA, CALIFORNIA. MARCH. NOT INDEPENDENTLY VERIFIED BY BECHTEL ENVIRONMENTAL, INC.

N

200 0 200 Feet

SI Report for Transfer Parcel EDC-12

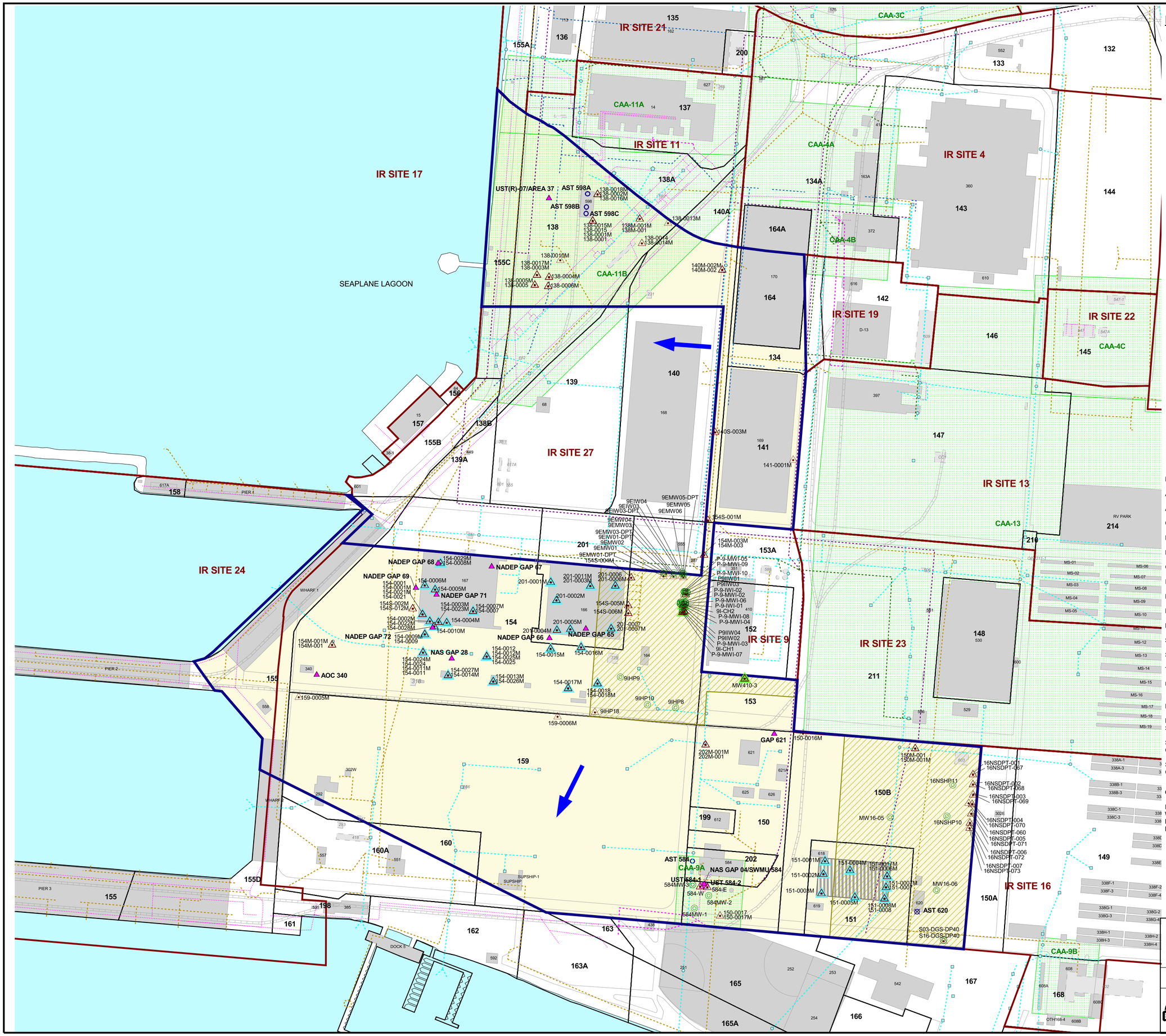
Figure 4-6

Sampling Locations
Pesticides and Polychlorinated Biphenyls

Alameda, California

Bechtel Environmental, Inc.
CLEAN 3 Program

Date: 8/21/07
File No.: 085A15775
Job No.: 23818-085
Rev No.: B



SI Report for Transfer Parcel EDC-12

Figure 4-7

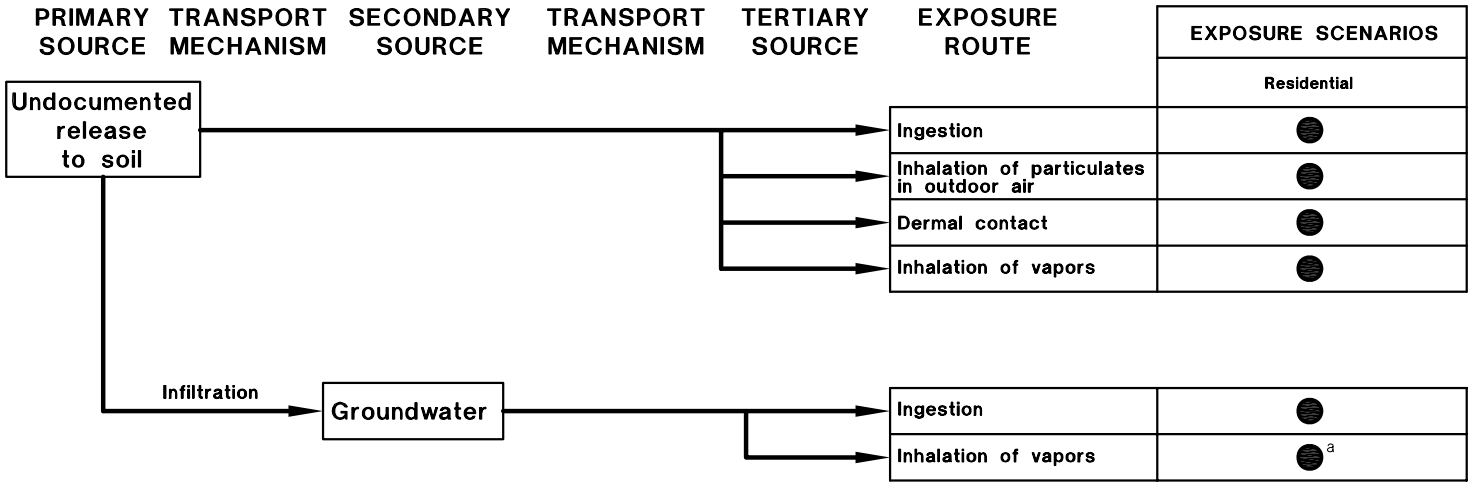
Sampling Locations and Results Above PRGs but Below Background – Metals

Alameda, California

Bechtel Environmental, Inc.

CLEAN 3 Program

Date: 8/20/07
File No.: 085A15776
Job No.: 23818-085
Rev No.: A



LEGEND:

● COMPLETE EXPOSURE PATHWAY

NOTES:

[a] DURING SHOWERING

EDC – ECONOMIC DEVELOPMENT CONVEYANCE
SI – SITE INSPECTION

SI Report for Transfer Parcel EDC-12

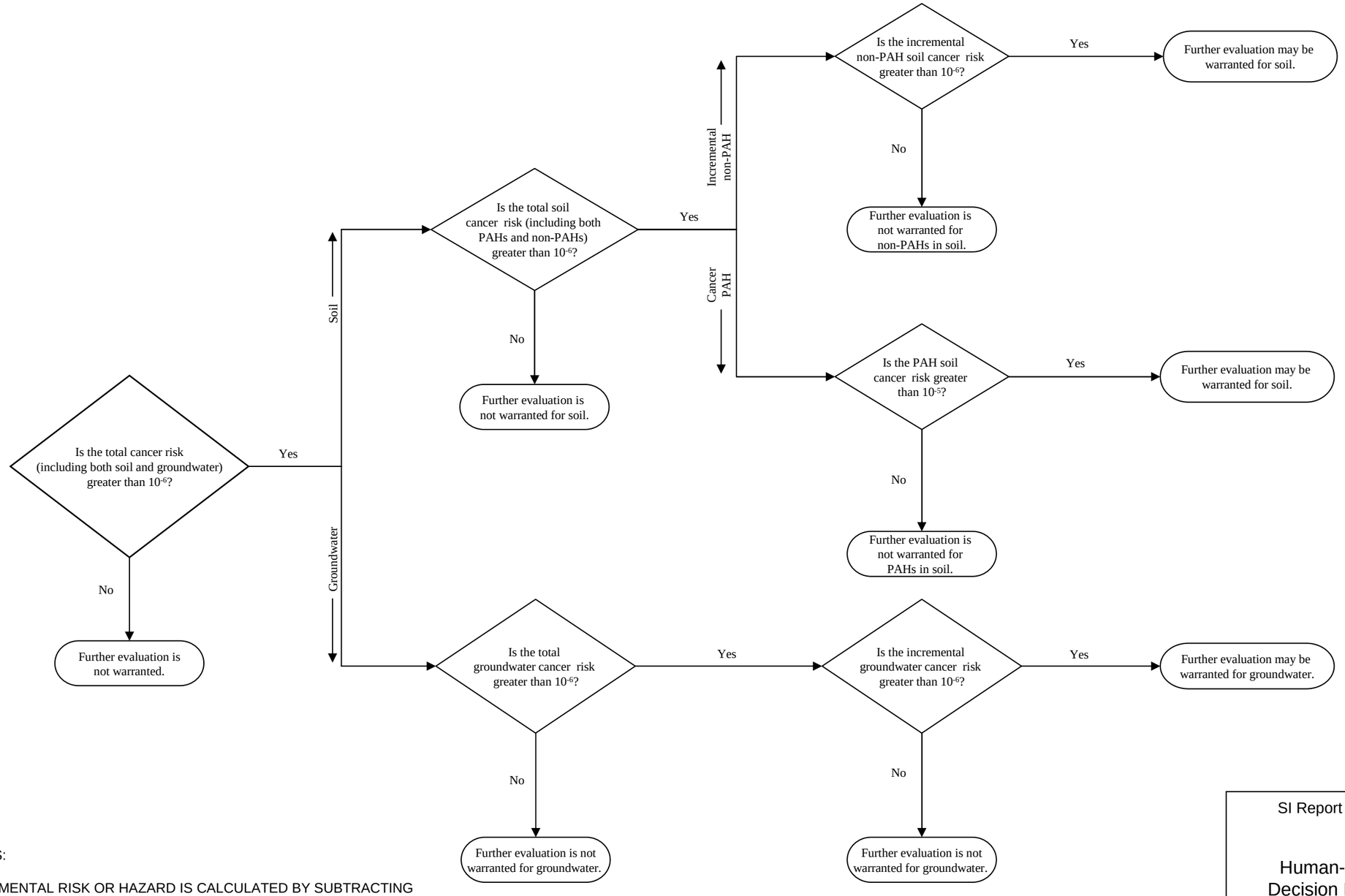
Figure 5-1

Human-Health Conceptual Site Model

Alameda, California

Bechtel Environmental, Inc.
CLEAN 3 Program

Date: 1/31/07
File No: 085C15446
Job No: 23818-085
Rev No: A



NOTES:

INCREMENTAL RISK OR HAZARD IS CALCULATED BY SUBTRACTING CONCENTRATIONS BELOW BACKGROUND FROM TOTAL RISK OR TOTAL HAZARD, RESPECTIVELY.

EDC – ECONOMIC DEVELOPMENT CONVEYANCE
PAH – POLYNUCLEAR AROMATIC HYDROCARBON
SI – SITE INSPECTION

SI Report for Transfer Parcel EDC-12

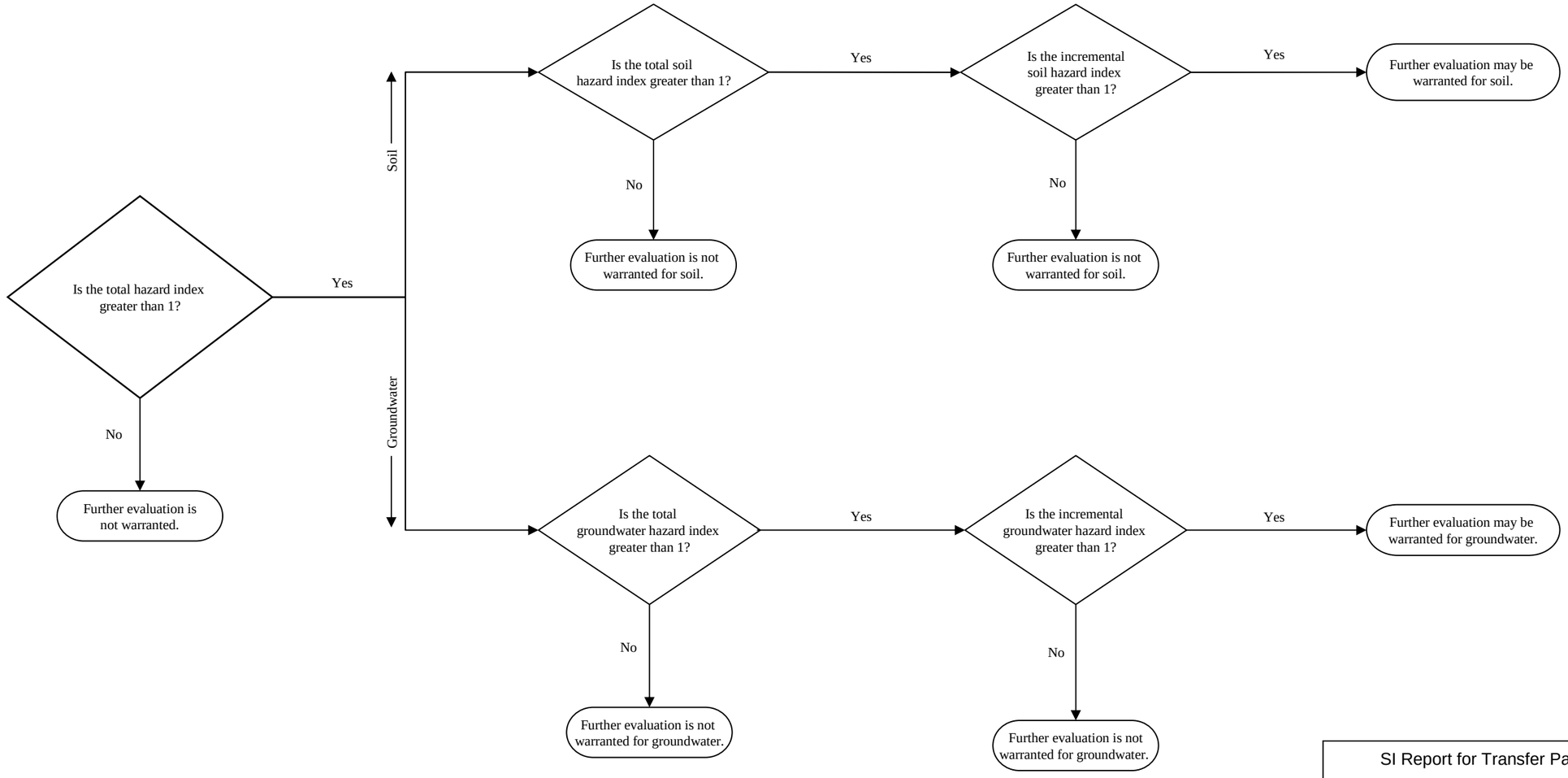
Figure 5-2

Human-Health Risk Evaluation
Decision Process for Cancer Risk

Alameda, California

Bechtel Environmental, Inc.
CLEAN 3 Program

Date: 3/1/07



NOTES:

INCREMENTAL RISK OR HAZARD IS CALCULATED BY SUBTRACTING CONCENTRATIONS BELOW BACKGROUND FROM TOTAL RISK OR TOTAL HAZARD, RESPECTIVELY.

EDC – ECONOMIC DEVELOPMENT CONVEYANCE
SI – SITE INSPECTION

SI Report for Transfer Parcel EDC-12

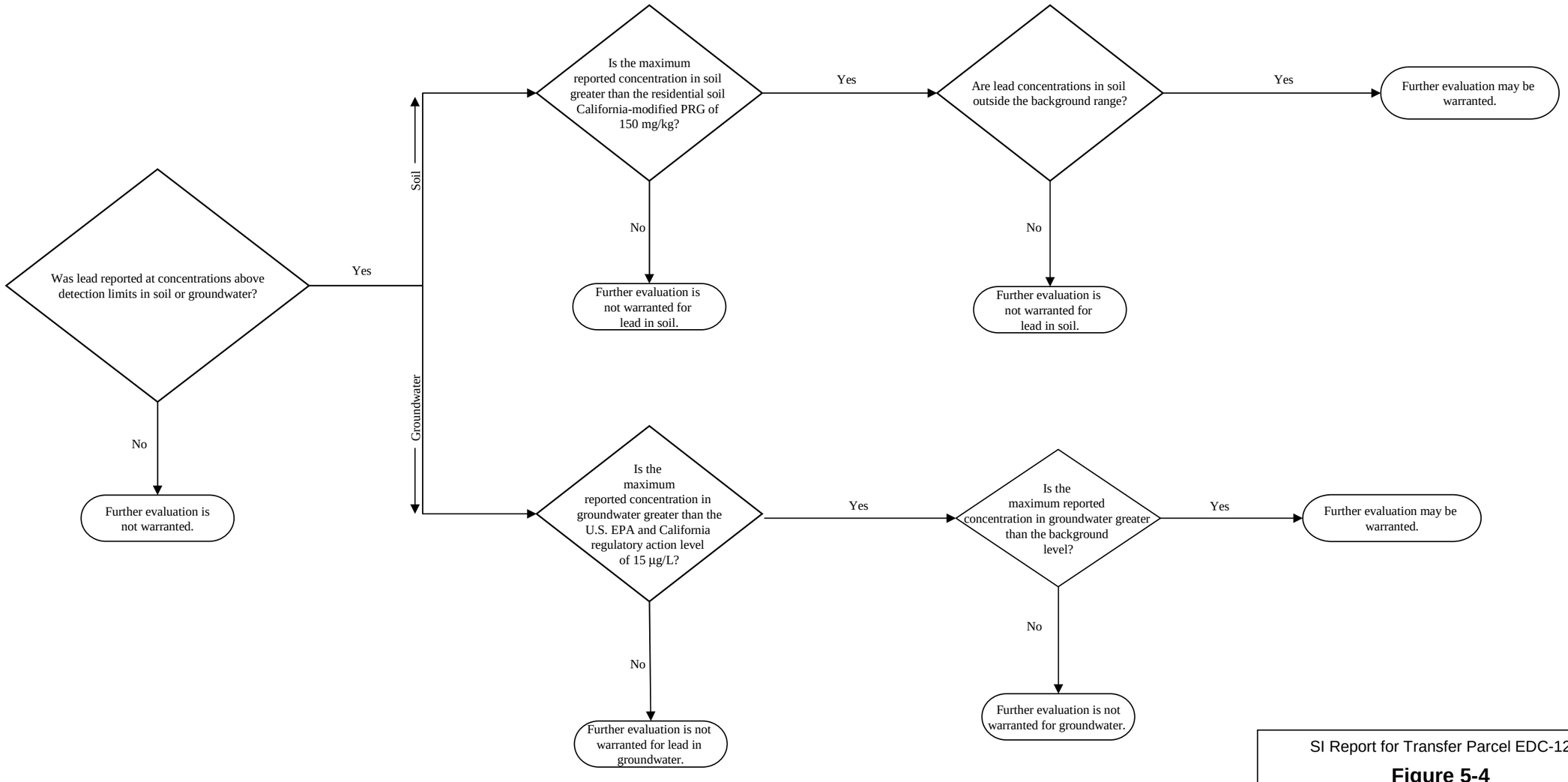
Figure 5-3

Human-Health Risk Evaluation
Decision Process for Hazard Index

Alameda, California

Bechtel Environmental, Inc.
CLEAN 3 Program

Date: 3/1/07



NOTES:
EDC – ECONOMIC DEVELOPMENT CONVEYANCE
mg/kg – MILLIGRAMS PER KILOGRAM
µg/L – MICROGRAMS PER LITER
PRG – PRELIMINARY REMEDIATION GOAL
SI – SITE INSPECTION
U.S. EPA – UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SI Report for Transfer Parcel EDC-12

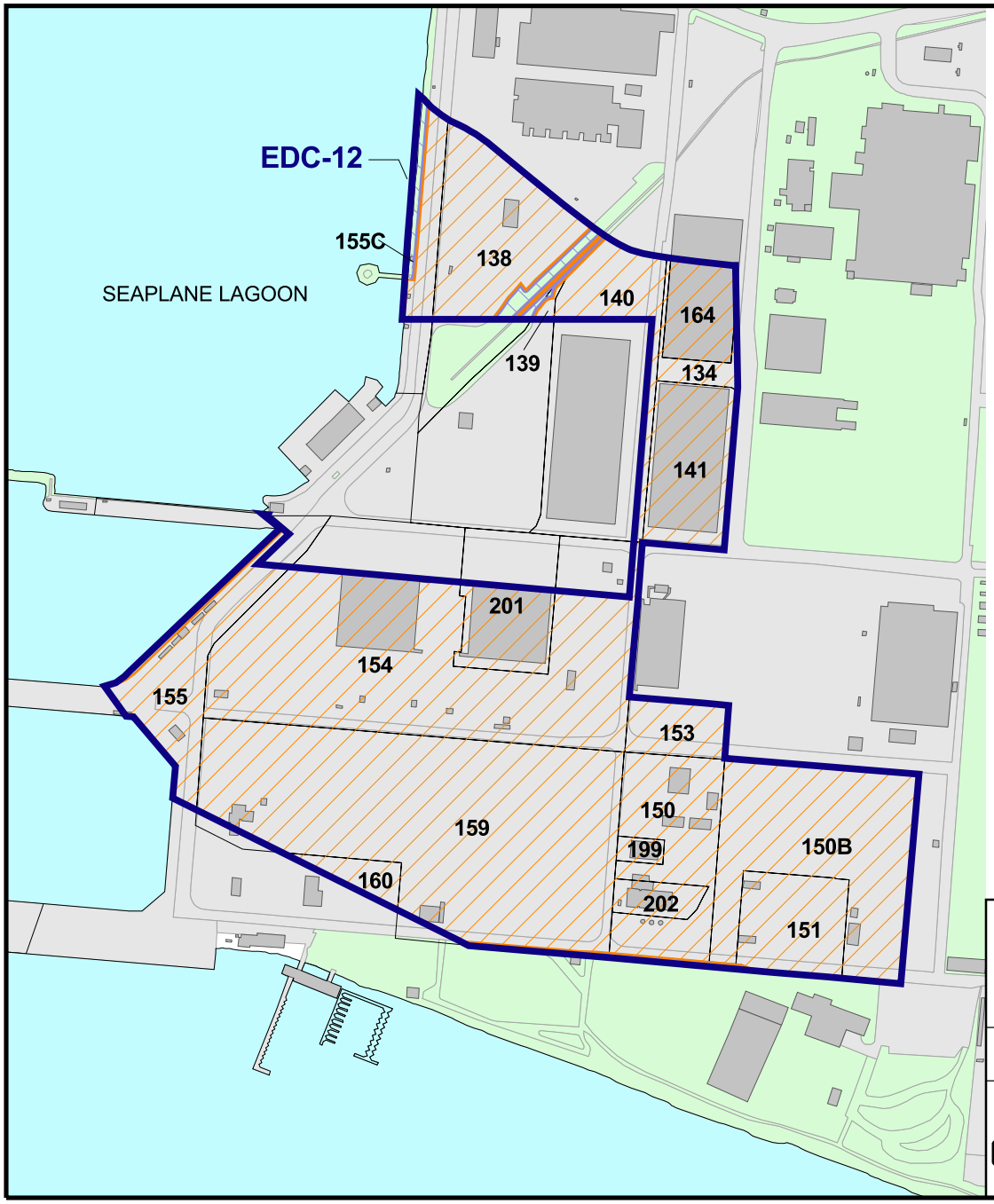
Figure 5-4

Human-Health Risk Evaluation
Decision Process for Lead

Alameda, California

Bechtel Environmental, Inc.
CLEAN 3 Program

Date: 3/1/07



LEGEND

- TRANSFER PARCEL EDC-12 BOUNDARY
- BUILDING OR STRUCTURE
- PAVED AREA
- UNPAVED AREA
- WATER
- 106 — EBS PARCEL INCLUDED IN TRANSFER PARCEL EDC-12
- NONNATIVE GRASSLAND
- BARREN HABITAT

NOTES:

EBS – ENVIRONMENTAL BASELINE SURVEY

EDC – ECONOMIC DEVELOPMENT CONVEYANCE

SI – SITE INSPECTION

N

500 0 500 Feet

SI Report for Transfer Parcel EDC-12

Figure 6-1

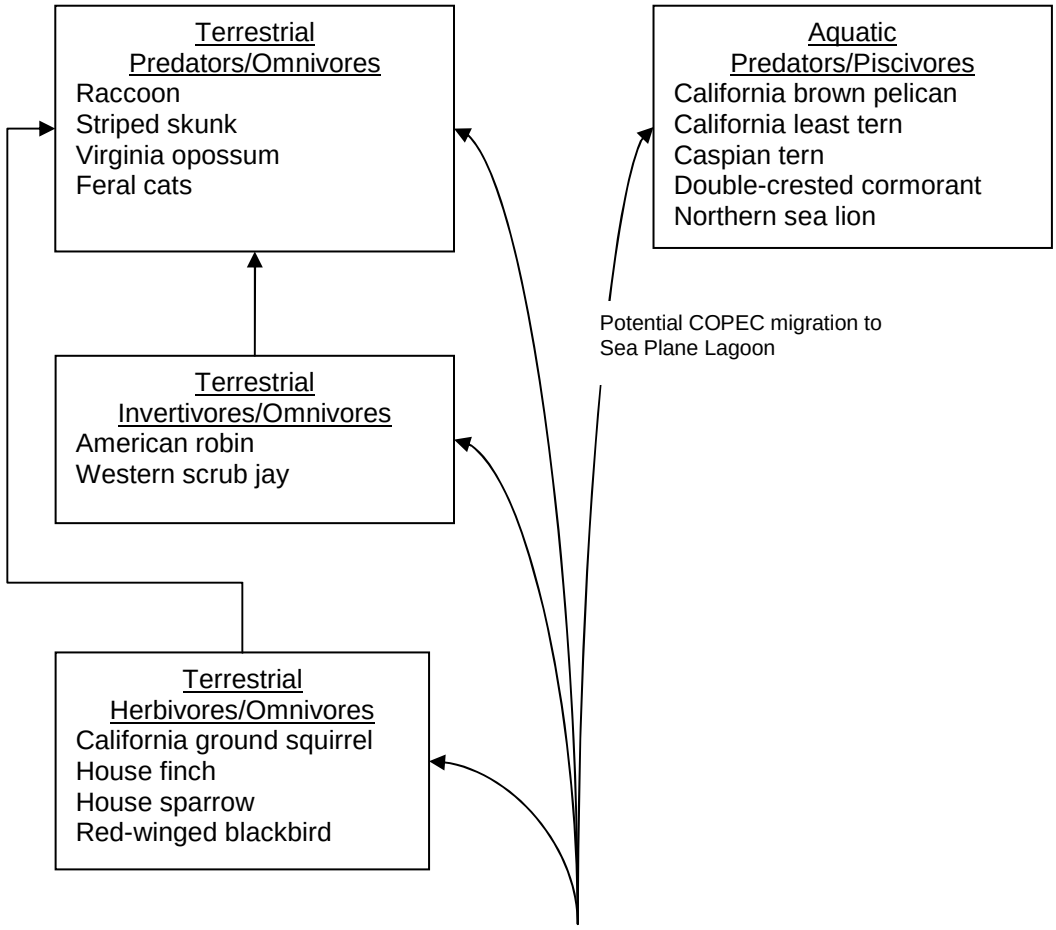
Habitat Areas in Transfer Parcel EDC-12

Alameda, California

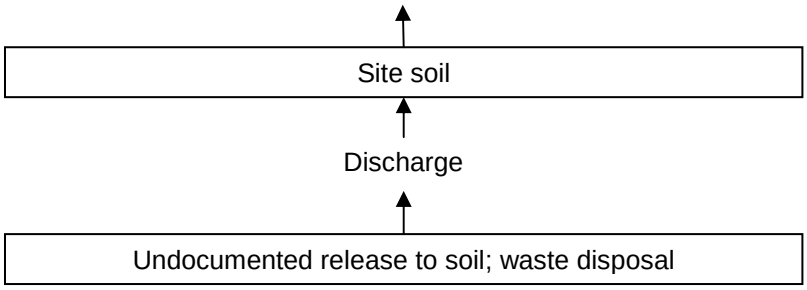
Bechtel Environmental, Inc.

CLEAN 3 Program

Date: 3/5/07
File No.: 085L14821
Job No.: 23818-085
Rev No.: B



- Incomplete exposure pathway for 98 percent of Transfer Parcel EDC-12 due to pavement or buildings
- Potentially complete exposure pathway for 2 percent of Transfer Parcel EDC-12 due to landscaped areas; Ingested contaminated food items; incidental ingested soil; inhalation; and dermal contact



SI Report for Transfer Parcel EDC-12

Figure 6-2

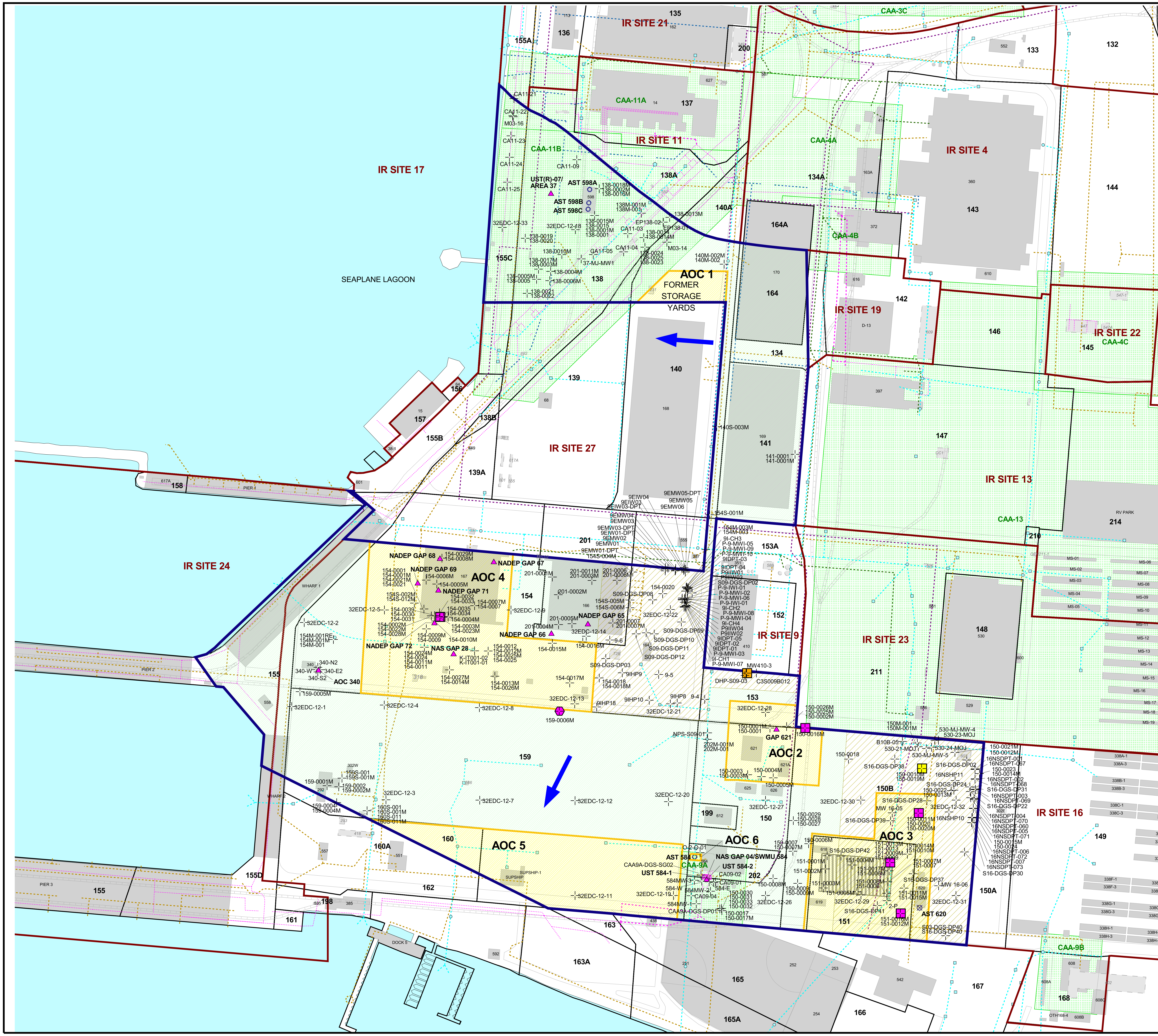
Conceptual Site Model Using Potentially Occurring Special–Status Species

Alameda, California

Bechtel Environmental, Inc.

CLEAN 3 Program

Date: 7/31/06
File No.: fig6-2.doc
Job No.: 23818-085
Rev No.: A



LEGEND

- SAMPLE LOCATION AND STATION ID
- DETECTED VOC CONCENTRATION EXCEEDS INDUSTRIAL AND RESIDENTIAL ESLs FOR SHALLOW SOIL GAS
- BENZO(a)PYRENE EQUIVALENT CONCENTRATION IN SOIL EXCEEDS 620 µg/kg
- DETECTED TPH CONCENTRATION EXCEEDS INDUSTRIAL AND RESIDENTIAL SOIL ESL
- DETECTED TPH CONCENTRATION EXCEEDS RESIDENTIAL SOIL ESLs
- TRANSFER PARCEL EDC-12 BOUNDARY
- IR SITE BOUNDARY
- ROAD
- WATER
- 106 EBS PARCEL
- HISTORICAL RAILROAD
- BUILDING OR STRUCTURE (PRESENT)
- BUILDING OR STRUCTURE (REMOVED)
- CORRECTIVE ACTION AREA
- INCLUDED ADJACENT IR SITE GROUNDWATER STUDY AREAS
- APPROXIMATE LOCATION OF FORMER WOOD TREATMENT AREA
- AREA RECOMMENDED FOR NO FURTHER EVALUATION
- AOC AREA OF CONCERN
- CATCH BASIN
- MANHOLE
- STORM DRAIN
- STEAM LINE
- SANITARY SEWER LINE
- INDUSTRIAL WASTEWATER LINE
- GAS LINE
- FUEL LINE
- FUEL LINE (REMOVED)
- SWMU LOCATION
- ABOVEGROUND STORAGE TANK (PRESENT)
- ABOVEGROUND STORAGE TANK (REMOVED)
- UNDERGROUND STORAGE TANK (REMOVED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES:

AOC – AREA OF CONCERN
AST – ABOVEGROUND STORAGE TANK
CAA – CORRECTIVE ACTION AREA
EBS – ENVIRONMENTAL BASELINE SURVEY
EDC – ECONOMIC DEVELOPMENT CONVEYANCE
ESL – ENVIRONMENTAL SCREENING LEVEL
GAP – GENERATOR ACCUMULATION POINT
IR – INSTALLATION RESTORATION (PROGRAM)
µg/kg – MICROGRAMS PER KILOGRAM
MCL – MAXIMUM CONTAMINANT LEVEL
NADEP – NAVAL AVIATION DEPOT
NAS – NAVAL AIR STATION
PRG – PRELIMINARY REMEDIATION GOAL
RI – REMEDIAL INVESTIGATION
SI – SITE INSPECTION
SWMU – SOLID WASTE MANAGEMENT UNIT
SVOC – SEMIVOLATILE ORGANIC COMPOUND
TPH – TOTAL PETROLEUM HYDROCARBON
UST – UNDERGROUND STORAGE TANK

EBS SAMPLING LOCATIONS ARE IDENTIFIED BY SAMPLE ID

LOCATIONS AND EXCEEDANCES OF FIELD DUPLICATE SAMPLES ARE INCLUDED ON THIS FIGURE

SAMPLES LOCATED IN CORRECTIVE ACTION AREAS WERE NOT COMPARED TO SCREENING CRITERIA

SAMPLES COLLECTED UNDER THE TPH PROGRAM WITHIN THE CORRECTIVE ACTION AREAS ARE NOT SHOWN ON THIS FIGURE

GROUNDWATER FLOW DIRECTIONS FROM:

INNOVATIVE TECHNICAL SOLUTIONS, INC. 2005. FALL/ WINTER 2004 QUARTERLY GROUNDWATER MONITORING DATA REPORT, ALAMEDA POINT, ALAMEDA, CALIFORNIA. MARCH. NOT INDEPENDENTLY VERIFIED BY BECHTEL ENVIRONMENTAL, INC.

200 0 200 Feet

SI Report for Transfer Parcel EDC-12

Figure 7-1

Areas Recommended for No Further Evaluation and Areas of Concern

Alameda, California

Bechtel Environmental, Inc.
CLEAN 3 Program

Date: 8/21/07
File No.: 085L15777
Job No.: 23818-085
Rev No.: C

N00236.002824
ALAMEDA POINT
SSIC NO. 5090.3

TABLES

FINAL
SITE INSPECTION REPORT
TRANSFER PARCEL EDC-12

DATED 10 OCTOBER 2007

Table 2-1
Monthly Temperature and Rainfall Summary for Alameda Island

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average maximum temperature (°F)	57.3	61.6	63.3	66.5	69.0	71.7	72.6	73.6	74.6	72.0	63.9	57.4	66.9
Average minimum temperature (°F)	44.5	47.9	49.1	50.6	53.5	55.7	57.0	58.3	58.3	55.3	49.6	44.5	52.0
Average total precipitation (inches)	4.85	4.40	3.56	1.35	0.56	0.12	0.07	0.10	0.32	1.31	3.45	3.33	23.43

Source:
Oakland Museum data from October 1, 1970, to July 31, 2000

Acronym/Abbreviation:
°F – degrees Fahrenheit

Table 3-1
Buildings, Structures, and Open Spaces in EBS Parcels at Transfer Parcel EDC-12

EBS Parcel	Underground Conduits Present on Parcel	Building or Open Space Number	Construction Date	Demolition Date	Past Activities at Building or Open Space	Comments
134	Sanitary sewer, steam line	OS134	NA	NA	Possible paint storage, material storage, vehicle parking	
140	Storm drain, sanitary sewer, gas line	231	Unknown	Unknown	Staging area; maintenance equipment and vehicle parking	Portions of EBS Parcel 140 are within CAA-11B and IR Site 27 and therefore are omitted from this SI Report.
		OS140	NA	NA	Material storage, maintenance equipment parking, and vehicle parking	
141	Steam line, gas line, sanitary sewer	169	1946	None	General warehouse operation space, miscellaneous material and ordnance storage, minor forklift maintenance, and administrative activities	
		OS141	NA	NA	Dumpster	
150	Storm drain, gas line, sanitary sewer	621	Between 1985–1990	None	Industrial machine shop, open space for aircraft parking, equipment and materials storage, waterfront operations	Portion of EBS Parcel 150 is within CAA-9A and therefore is omitted from this SI Report.
		621A	Between 1985–1990	Unknown	Storage facility, open space for aircraft parking, equipment and materials storage	
		625	Unknown	None	Covered drum storage areas	
		626	Unknown	None	Covered drum storage areas	
		584	Between 1975–1981	None	Air compressor maintenance and operation, steam plant	Only a portion of building is within EBS Parcel 150.
		OS150-1 and -5	NA	NA	Aircraft parking, vehicle parking, minor equipment repairs, material and equipment storage yard, including scrap metal and shipboard equipment and materials	

Table 3-1 (continued)

EBS Parcel	Underground Conduits Present on Parcel	Building or Open Space Number	Construction Date	Demolition Date	Past Activities at Building or Open Space	Comments
150B	Gas line, storm drain, sanitary sewer	603	1976	Unknown	Aircraft rework shop and spare aircraft parts	
		618	Between 1975–1981	None	Aircraft parking and covered materials storage facility	
		619	Between 1975–1981	None	Aircraft parking and covered materials storage facility	
		620	Between 1985–1990	None	Industrial machine shop, aircraft parking, material and equipment storage, administrative office, tool supply center, and housing maintenance facility	
		Unidentified building	Unknown	None	Unknown	This unidentified building is located north of Building 620.
		OS150-3 through -5	NA	NA	Aircraft parking, vehicle parking and storage, scrap yard, and sewage lift station	
151	Storm drain, gas line	OS151	NA	NA	Material and equipment storage including treated wood and empty drum storage shed, and aircraft parking	
153	Storm drain, gas line	OS153	NA	NA	Aircraft storage, materials storage, railroad, and parking	
154	Storm drain, sanitary sewer	167	1946	None	Aircraft maintenance hangar, propeller assembly, and marine and air support services	
		72B	Unknown	Unknown	Chemical storage shed	
		164	Unknown	None	Public works administration building	
		318	Between 1963–1966	Between 1985–1990	Light tower	
		340	Post-1953	None	Fire protection pump house and adjacent shed containing electrical equipment	Discrepancy between sources: 2001 EBS indicates that building was demolished in 1995, yet building is identified on Figure 3-1 as existing. Building interior not accessible

Table 3-1 (continued)

EBS Parcel	Underground Conduits Present on Parcel	Building or Open Space Number	Construction Date	Demolition Date	Past Activities at Building or Open Space	Comments
154 (cont.)						for inspection in 1994 EBS.
		Unidentified	Unknown	None	Unknown	Six unidentified buildings are located in southern portion of EBS Parcel 154.
		OS154-1 through -3; OS154-99	NA	NA	Support area for Buildings 166 and 167; chemical, hazardous material, equipment, and miscellaneous storage yard; aircraft parking; and vehicle parking	
155	Fuel line (removed), sanitary sewer, storm drain	558	Early 1970s	None	Electrical Substation 14	
		OS155	NA	NA	Wharf 1, including utility hookups for ported ships	
159	Storm drain, sanitary sewer, fuel line (likely removed)	292	1945	None	Crane and rigging work, aircraft parking, and missile storage	
		566	1975	Unknown	Guard station/watchtower, aircraft parking, and missile storage	
		302W	Unknown	None	Unknown use	
		447	1944	Pre-1989	Waterfront operations storage shed	
		SUPSHIP-1	Unknown	None	Unknown use	
		SUPSHIP	1986 (1988)	None	Office trailer	Conflicting construction dates in 1994 EBS (ERM-West 1994a) and PEP (ERM-West 1994b).
		OS159	NA	NA	Aircraft parking, vehicle parking, and dumpster	
160	Storm drain, sanitary sewer	OS160	NA	NA	Aircraft maintenance and parking, boat repair services, trailer office use and storage, and hazardous materials storage lockers	
164	Steam line, sanitary sewer	170	1946	None	General warehouse operations including storage and packaging of aviation equipment	

Table 3-1 (continued)

EBS Parcel	Underground Conduits Present on Parcel	Building or Open Space Number	Construction Date	Demolition Date	Past Activities at Building or Open Space	Comments
199	Storm drain, sanitary sewer	612	Between 1975–1981	None	Testing and storage of flexible hoses and piping, and vehicle parking	
		OS199	NA	NA	Vehicle and aircraft parking	
201	Sanitary sewer	166	1946 (1947)	None	Aircraft maintenance hanger, metal machining, sandblasting, painting, degreasing, and aircraft defueling	Conflicting construction dates between 1994 EBS, 2001 EBS (IT 2001), and PEP.
202	Sanitary sewer	584	Between 1975–1981	None	Air compressor maintenance and operation, steam plant	Northern portion of building is within EBS Parcel 202 and outside CAA-9A.
		OS202	NA	NA	Vehicle parking, three condensation towers, and materials storage	Large portion of this parcel is included in CAA-9A and is therefore omitted from this SI Report.

Acronyms/Abbreviations:
CAA – corrective action area
EBS – environmental baseline survey
EDC – economic development conveyance
IR – Installation Restoration (Program)
NA – not applicable
OS – open space
PEP – parcel evaluation plan
SI – site inspection

Table 3-2
Background Threshold Levels of Metals in Soil in the Southeastern Portion of Alameda Point (Blue Area)

Analyte	95th Percentile (mg/kg)
aluminum	16,000
antimony	7.71
arsenic	16.55
barium	114.6
beryllium	1.2
cadmium	1.2
calcium	14,165
chromium	64.26
cobalt	12.04
copper	40.35
iron	20,995
lead	13.01
magnesium	6,503
manganese	340.75
mercury	0.18
molybdenum	6.2
nickel	64.13
potassium	2,310
selenium	12
silver	6.2
sodium	1,544.5
thallium	12
titanium	701.2
vanadium	41.78
zinc	65.38

Source:
TtEMI 2001d

Acronym/Abbreviation:
mg/kg – milligrams per kilogram

Table 3-3
Background Levels of Metals in Shallow Groundwater
at Alameda Point

Analyte	95th Percentile (µg/L)
aluminum	1,070
antimony	37.50
arsenic	20.72
barium	569.50
beryllium	2.50
chromium	12.45
copper	24.03
iron	6,586
lead	11.45
manganese	1,741
selenium	8.58
thallium	16.15
vanadium	26.27
zinc	36.39

Source:
TtEMI 2001d

Acronym/Abbreviation:
µg/L – micrograms per liter

Table 3-4
Historical Uses and Regulatory Status for
SWMUs, ASTs, and USTs Located Within Transfer Parcel EDC-12

SWMU/AST/UST	Location (EBS Parcel)	Description	Removal Status (Date)	Navy Recommendation	Regulatory Status	Reference(s)
AST 598A	138	25,000-gallon tank containing fuel oil and AVGAS	Removed August 2004	Integrated with the TPH Program. NFA recommended.	Closure approved by DTSC on 9/26/1995	SulTech 2004, 2005; TtEMI 2003b
AST 598B	138	25,000-gallon tank containing fuel oil and AVGAS	Removed August 2004	Integrated with the TPH Program. NFA recommended.	Closure approved by DTSC on 9/26/1995	SulTech 2004, 2005; TtEMI 2003b
AST 598C	138	25,000-gallon tank containing AVGAS	Removed August 2004	Integrated with the TPH Program. NFA recommended.	Closure approved by DTSC on 9/26/1995	SulTech 2004, 2005; TtEMI 2003b
UST(R)-07/Area 37	138	24 separate tanks (7 of which were RCRA permitted) containing diesel, gasoline, jet fuel, combustible liquids, and various petroleum wastes	Removed November/December 1998	Integrated with the TPH Program. Further action recommended.	NA	SulTech 2005, TtEMI 2003b
GAP 621	150	Outside Building 621, consisted of varied containers including 55-gallon drums, cleaning agents, paints, and solvents	NA	Integrated with the CERCLA Program. AOC recommended.	NA	SulTech 2005
NAS GAP 04/ SWMU 584	150	250-gallon spill of diesel fuel that occurred in a ditch south of Building 584; in 1993 when USTs 584-1 and 584-2 were overfilled	Spill was cleaned up and 10 cubic yards of soil was removed	Integrated with the TPH Program. NFA recommended.	NA	TtEMI 2003b
UST 584-1	150	4,000-gallon diesel fuel tank used for the boiler in Building 584; located within CAA-9A	1994	Integrated with the TPH Program. NFA recommended.	Closure letter pending	TtEMI 2001b

Table 3-4 (continued)

SWMU/AST/UST	Location (EBS Parcel)	Description	Removal Status (Date)	Navy Recommendation	Regulatory Status	Reference(s)
UST 584-2	150	4,000-gallon diesel fuel tank used for the boiler in Building 584; located within CAA-9A	1994	Integrated with the TPH Program. NFA recommended.	Closure letter pending	TtEMI 2001b
AST 620	150B	1,000-gallon tank containing gasoline	Removed prior to 2002	Integrated with the TPH Program. NFA recommended.	Closure letter pending	SulTech 2004, 2005
NADEP GAP 67	154	Inside Building 167; consisted of oil-contaminated rags, aerosol paint, paper, metal cans, spent solvent cleaner, contaminated towels, methyl ethyl ketone, lead-contaminated glass beads, aerosol cans, and alcohol	NA	Integrated with the CERCLA program.	NA	SulTech 2005
NADEP GAP 68	154	Inside Building 167; consisted of 55-gallon drums, oil-contaminated rags, waste adhesives cans, paper, metal cans, spent solvent cleaner, contaminated towels, methyl ethyl ketone, lead-contaminated glass beads, aerosol cans, and alcohol	NA	Integrated with the CERCLA program. NFA recommended.	Closure letter pending	SulTech 2005
NADEP GAP 69	154	Outside Building 167, consisted of a 5,000-gallon tanker trailer formerly identified as AST 167; the tank contained corrosive waste with heavy metals such as caustic soda, nitric acid, and chromic acid	NA	Integrated with the CERCLA program.	NA	SulTech 2005

Table 3-4 (continued)

SWMU/AST/UST	Location (EBS Parcel)	Description	Removal Status (Date)	Navy Recommendation	Regulatory Status	Reference(s)
NADEP GAP 71	154	Inside Building 167; consisted of varied containers up to 55-gallon drums, aerosol paint and lube cans, rags contaminated with oil and solvent, small cans of paint and resin, paper, metal cans, spent solvent cleaner, contaminated towels, methyl ethyl ketone, lead-contaminated glass beads, aerosol cans, and alcohol	NA	Integrated with the CERCLA program. NFA recommended.	Closure letter pending	SulTech 2005
NADEP GAP 72	154	Outside Building 167; consisted of 55-gallon drums of hydraulic oil, PD-680, sweeping compound, and scrap lead	NA	Integrated with the CERCLA program. NFA recommended.	Closure letter pending	SulTech 2005
NAS GAP 28	154	Located in a fenced outdoor area south of Building 167; contained 55-gallon drums, paint-related material, rags, and empty cans	NA	Integrated with the CERCLA program. NFA recommended.	Closure letter pending	SulTech 2005
AOC 340 (UST 340)	154	1,200-gallon diesel tank formerly located west of former Building 340	Removed	NA	Closure approved by RWQCB in June 2000	SulTech 2005, IT 2001
NADEP GAP 65	201	Located inside Building 166; included 30-gallon drums of oil-contaminated rags and aerosol paint cans	NA	NA	Closure approved by DTSC on November 4, 1999	SulTech 2005, TtEMI 2003b

Table 3-4 (continued)

SWMU/AST/UST	Location (EBS Parcel)	Description	Removal Status (Date)	Navy Recommendation	Regulatory Status	Reference(s)
NADEP GAP 66	201	Located outside Building 166 on concrete under a shed with secondary containment; formerly contained 55-gallon drums of lubrication oil, engine oil, and PD-680	NA	NA	Closure approved by DTSC on November 4, 1999	SulTech 2005, TtEMI 2003b
AST 584	202	15,000-gallon tank containing heater condensate and corrosion-resistant chemicals; housed in an approximately 3-foot concrete berm atop a 2-inch concrete pad; located within CAA-9A	Present	Integrated with the CERCLA program. AOC recommended.	NA	SulTech 2005

Acronyms/Abbreviations:
AOC – area of concern
AST – aboveground storage tank
AVGAS – aviation gasoline
CAA – corrective action area
CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act
DTSC – (California Environmental Protection Agency) Department of Toxic Substances Control
EBS – environmental baseline survey
EDC – economic development conveyance
GAP – generator accumulation point
NA – not applicable
NADEP – Naval Aviation Depot
NAS – Naval Air Station
NFA – no further action
RCRA – resource conservation and recovery act
RWQCB – (California) Regional Water Quality Control Board
SI – site inspection
SWMU – solid waste management unit
TPH – total petroleum hydrocarbons
UST – underground storage tank

Table 4-1
Chemicals Reported in Soil at Concentrations Exceeding Regulatory Criteria
at Transfer Parcel EDC-12

Chemical Class	EBS Parcel	Station ID[a]	Depth (feet bgs)	Analyte	Concentration	Units	REGULATORY CRITERIA[b]		
							Residential	Industrial	Units
Fuels	150B	150-0020M	4–4.5	motor oil	1,400	mg/kg	500	1,000	mg/kg
		150-0016M	0.5–1	motor oil	1,100	mg/kg	500	1,000	mg/kg
	151	151-0009M	1–2	motor oil	14,000	mg/kg	500	1,000	mg/kg
		151-0012M	1–1.5	motor oil	4,000	mg/kg	500	1,000	mg/kg
	154	154-0003M	0–1	diesel	23,000	mg/kg	500	1,000	mg/kg
		154-0023M	4–4.5	diesel	19,000	mg/kg	500	1,000	mg/kg
	159	159-0006M	2–2.5	motor oil	510	mg/kg	500	1,000	mg/kg
SVOCs	153	MW410-3	1–1.5	benzo(a)pyrene equivalent	810	µg/kg	620	none available	µg/kg

Notes:
[a] sample ID used for EBS samples
[b] ESLs for fuels (RWQCB 2005) and Alameda Point–specific residential soil screening criterion of 620 µg/kg used for benzo(a)pyrene equivalent (DON 2001b)

Acronyms/Abbreviations:
bgs – below ground surface
EBS – environmental baseline survey
EDC – economic development conveyance
ESL – environmental screening level
µg/kg – micrograms per kilogram
mg/kg – milligrams per kilogram
SVOC – semivolatile organic compound

Table 4-2
Chemicals in Soil Gas Reported at Concentrations Exceeding Regulatory Criteria at Transfer Parcel EDC-12

						REGULATORY CRITERIA (SHALLOW SOIL GAS ESLs)[b]	
Chemical Class	**Analyte**	**EBS Parcel**	**Station ID[a]**	**Depth (feet bgs)**	**Concentration (mg/m^3)**	**Residential (mg/m^3)**	**Industrial (mg/m^3)**
VOCs	chloroform	150B	150-0010M	3	3 J	0.45	1.5

Notes:
[a] sample ID used for EBS sample
[b] RWQCB 2005

Acronyms/Abbreviations:
bgs – below ground surface
EBS – environmental baseline survey
EDC – economic development conveyance
ESL – environmental screening level
mg/m^3 – milligrams per cubic meter
VOC – volatile organic compound

Review Qualifier:
J – estimated value

Table 4-3
Relative Potency Factors for
Seven Carcinogenic PAHs

PAH	Relative Potency Factor
benz(a)anthracene	0.1
benzo(b)fluoranthene	0.1
benzo(k)fluoranthene	0.01
benzo(a)pyrene	1
chrysene	0.001
dibenz(a,h)anthracene	1
indeno(1,2,3-cd)pyrene	0.1

Source:
U.S. EPA 1993

Acronym/Abbreviation:
PAH – polynuclear aromatic hydrocarbon

Table 5-1
Summary of Cancer Risk and Hazard Index by EBS Parcel
in Transfer Parcel EDC-12

EBS Parcel	CANCER RISK							NONCANCER HAZARD[a]				
	Total Risk for Soil and GW	Total Risk for Soil	Incremental Risk[b] for Soil	Risk for PAHs in Soil	Total Risk for Soil (Non-PAH)	Incremental Risk[b] for Soil (Non-PAH)	Total Risk for GW	Total Hazard for Soil and GW	Total Hazard for Soil	Incremental Hazard[c] for Soil	Total Hazard for GW	Incremental Hazard[c] for GW
140	NA	1E-07	0E+00	0E+00	1E-07	0E+00	NA	NA	3E-02	3E-03	NA	NA
141	NA	NA	NA	NA	NA	NA	NA	NA	1E-05	1E-05	NA	NA
150	NA	3E-07	3E-07	3E-07	7E-10	7E-10	NA	NA	2E-02	1E-04	NA	NA
150B	NA	2E-06	2E-06	2E-06	3E-08	3E-08	NA	NA	5E-02	2E-02	NA	NA
151	NA	2E-05	2E-06	2E-06	2E-05	1E-07	NA	NA	1E+00	3E-02	NA	NA
153	NA	6E-05	4E-06	4E-06	6E-05	0E+00	NA	NA	9E-01	4E-03	NA	NA
154	NA	4E-05	5E-07	2E-07	4E-05	3E-07	NA	2E+00	2E+00	2E-01	2E-02	2E-02
159	NA	1E-06	1E-06	1E-06	7E-10	7E-10	NA	NA	1E-02	1E-02	NA	NA
201	NA	3E-05	7E-08	7E-08	3E-05	1E-09	NA	NA	1E+00	3E-02	NA	NA

Notes:
[a] PAH and non-PAH hazard indices not presented separately due to insignificant contributions to the hazard index by PAHs
[b] incremental risk is total risk less risk from background metals
[c] incremental hazard is total hazard less hazard from background metals

Acronyms/Abbreviations:
EBS – environmental baseline survey
EDC – economic development conveyance
GW – groundwater
NA – not available
PAH – polynuclear aromatic hydrocarbon

Table 6-1
Special-Status Species Occurring or Potentially Occurring in the Habitats of Alameda Point

Scientific Name	Common Name	Status	Occurrence	Habitat
Plants				
Amsinckia lunaris	Bent-flowered fiddleneck	CNPS-1B	HA	G, S
Astralagus tener var tener	Alkali milk-vetch	CNPS-1B	HA	G
Atriplex joaquiniana	San Joaquin spearscale	CNPS-1B	HA	G, S
Chorizanthe cuspidata var cuspidata	San Francisco Bay spineflower	CNPS-1B	NH	S, D
Chorizanthe robusta var robusta	Robust spineflower	FE/CNPS-1B	HA	S, D
Cordylanthus maritimus palustris	Point Reyes bird's-beak	CNPS-1B	NH	W
Erodium macrophyllum	Round-leaved filaree	CNPS-2	HA	G
Gilia capitata ssp chamissonis	Dune gilia	CNPS-1B	NH	D
Holocarpha macradenia	Santa Cruz tarplant	FT/SE	HA	G, S
Horkelia cuneata sericea	Kellogg's horkelia	CNPS-1B	HA	S
Lasthenia conjugens	Contra Costa goldfields	FE/CNPS-1B	HA	W, G
Layia carnosa	Beach layia	FE/SE	NH	D
Leptosiphon rosaceus	Rose leptosiphon	CNPS-1B	HA	S
Plagiobothrys chorisianus var chorisianus	Choris's popcorn-flower	CNPS-1B	HA	S
Sanicula maritima	Adobe sanicle	SR	HA	G, S
Trifolium depauperatum var hydrophilum	Saline clover	CNPS-1B	HA	G
Invertebrates				
Cicindela hirticollis gravida	Sandy beach tiger beetle	CNDDB	NH	D
Trachusa gummifera	A leaf-cutting bee, no common name	CNDDB	NH	NA
Tryonia imitator	California brackishwater snail	CNDDB	NH	W
Fish				
Acipenser medirostris	Green sturgeon	FT/CSC	PO	E
Eucyclogobius newberryi	Tidewater goby	FE/CSC	HA	E
Hypomesus transpacificus	Delta smelt	FT/ST	NH	E
Oncorhynchus mykiss	Steelhead	FT/CSC	PO	E
Oncorhynchus tshawytscha	Chinook salmon, winter run	FE/SE	PO	E
Spirinchus thaleichthys	Longfin smelt	FSC/CSC	PO	E
Reptiles				
Masticophis lateralis euryxanthus	Alameda whipsnake	FT/ST	HA	S

Table 6-1 (continued)

Scientific Name	Common Name	Status	Occurrence	Habitat
Amphibians				
Ambystoma californiense	California tiger salamander	FT/CSC	HA	G, S
Mammals				
Antrozous pallidus	Pallid bat	CSC	PO	G, S
Corynorhinus townsendii	Townsend's big-eared bat	FSC/CSC	PO	G, S
Eumetopias jubatus	Steller sea lion	FT	C	E
Eumops perotis	Western mastiff bat	FSC/CSC	PO	G, S
Neotoma fuscipes annectens	San Francisco dusky-footed woodrat	FSC/CSC	HA	S
Nyctinomops macrotis	Big free-tailed bat	CSC	PO	W, G, S
Reithrodontomys raviventris	Salt marsh harvest mouse	FE/SE	NH	W
Scapanus latimanus parvus	Alameda Island mole	FSC/CSC	HA	G, S
Sorex vagrans halicoetes	Salt marsh wandering shrew	FSC/CSC	NH	W
Birds				
Aquila chrysaetos	Golden eagle	CSC	PO	G, S
Accipiter cooperii	Cooper's hawk	CSC	PO	G, S
Athene cunicularia	Burrowing owl	FSC/CSC	C	G
Charadrius alexandrinus nivosus	Western snowy plover	FT/CSC	C	W
Circus cyaneus	Northern harrier	CSC	C	W, G, S
Elanus leucurus	White-tailed kite	FSC/CFP	PO	W, G, S
Eremophila alpestris actia	California horned lark	CSC	C	G
Falco columbarius	Merlin	CSC	C	W, G, S
Falco peregrinus anatum	American peregrine falcon	FSC/SE	C	W
Geothlypis trichas sinuosa	Salt marsh common yellowthroat	FSC/CSC	PO	W
Lanius ludovicianus	Loggerhead shrike	FSC/CSC	C	G, S
Laterallus jamaicensis coturniculus	California black rail	FSC/ST	PO	W
Melospiza melodia pusillula	Alameda song sparrow	FSC/CSC	C	W
Pelecanus occidentalis californicus	California brown pelican	FE/SE	C	E
Phalacrocorax auritus	Double-crested cormorant	CSC	C	E
Rallus longirostris obsoletus	California clapper rail	FE/SE	PO	W
Sterna antillarum browni	California least tern	FE/SE	C	E

Table 6-1 (continued)

Acronyms/Abbreviations:

C – confirmed presence at Alameda Point
CFP – California Department of Fish and Game – fully protected
CNDDB – California Natural Diversity Database
CNPS – California Native Plant Society
CNPS-1B – plants rare or endangered in California and elsewhere
CNPS-2 – plants rare or endangered in California, more common elsewhere
CSC – California special-concern species
D – dunes habitat
E – estuarine habitat
FE – federally listed – endangered
FSC – federal special-concern species
FT – federally listed – threatened
G – grassland habitat
HA – potentially suitable habitat present, species historically absent, unlikely to occur at Alameda Point
NA – not available
NH – no suitable habitat present at Alameda Point
PO – potentially occurs at Alameda Point
S – scrub habitat
SE – California state listed – endangered
SR – California state listed – rare
ST – California state listed – threatened
W – wetland habitat

Table 7-1
Summary of Conclusions and Recommendations

EBS Parcel[a]	Environmental Concern/Conclusion[b]	Navy Recommendation[c]	Area of Concern
134	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	None based on historical use as open space; potential impacts to soil and groundwater are unlikely.	No further evaluation for this EBS parcel	NA
140	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	Historical use includes two former storage yards north of Building 165 with no historical sampling.	Further evaluation of former storage yard areas; AOC recommended	1
	Areas outside of former storage yards: no chemical storage, staining, or spills, and human-health risk below target levels.	No further evaluation	NA
141	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	None based on historical use. No chemical storage, staining, or spills; reported chemical concentrations below residential and industrial screening criteria; and human-health risk below target levels.	No further evaluation for this EBS parcel	NA
150	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	Elevated TPH in soil at adjacent parcel (150B) not fully delineated, and limited analyses performed for samples collected near SWMU GAP 621.	Further evaluation of northeastern corner and SWMU GAP 621; AOC recommended	2
	Outside of area designated for further evaluation: reported chemical concentrations below residential and industrial screening criteria at areas outside of CAA-9A, and human-health risk below target levels.	No further evaluation	NA
	Presence of three additional SWMUs (USTs 584-1 and 584-2 and NAS GAP 04/SWMU 584).	Managed by TPH Program	NA
150B	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	Elevated TPH in soil in northwestern corner not fully delineated; confirmation samples collected over 300 feet away.	Further evaluation of northwestern corner; AOC recommended	2
	Elevated TPH in soil in central portion of parcel not fully delineated.	Further evaluation of central portion; AOC recommended	3

Table 7-1 (continued)

EBS Parcel[a]	Environmental Concern/Conclusion[b]	Navy Recommendation[c]	Area of Concern
150B (cont'd)	Elevated VOCs in groundwater from IR Site 16 in eastern portion of EBS parcel.	Continue to address groundwater as part of IR Site 16 (excluded from SI evaluation)	NA
	Outside of areas designated for further evaluation: reported chemical concentrations were below residential and industrial screening criteria and did not contribute to elevated risk at the parcel.	No further evaluation	NA
	Presence of SWMU AST 620.	Managed by TPH Program	NA
151	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	Elevated TPH in soil in the eastern portion of parcel not fully delineated. TPH as motor oil in soil reported above screening criteria.	Further evaluation of eastern portion; AOC recommended	3
	Elevated detection limits in soil samples collected from former wood-treatment area.	Further evaluation of wood-treatment area; AOC recommended	3
	Elevated VOCs in groundwater from IR Site 16 in eastern portion of EBS parcel.	Continue to address groundwater as part of IR Site 16 (excluded from SI evaluation)	NA
153	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	Elevated TPH in soil at adjacent parcel (150B) not fully delineated.	Further evaluation of southeastern corner; AOC recommended	2
	Elevated VOCs in groundwater from IR Site 9 in northern and western portions of EBS parcel.	Continue to address groundwater as part of IR Site 9 (excluded from SI evaluation)	NA
	Outside of areas designated for further evaluation: no chemical storage or spills and minimal staining; only one B(a)P equivalent concentration was above screening criterion, but by a factor of less than 1.5. Additionally, PAHs were not present above screening criteria in soil across the transfer parcel.	No further evaluation	NA
154	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	Elevated TPH in soil at Building 167 not fully delineated; elevated detection limits for SVOCs and TPH in historical samples; historical aircraft maintenance and washdown activities.	Further evaluation of northern portion (specifically Building 167 and surrounding open space); AOC recommended	4

Table 7-1 (continued)

EBS Parcel[a]	Environmental Concern/Conclusion[b]	Navy Recommendation[c]	Area of Concern
154 (cont'd)	Absence of sampling at two SWMUs (NADEP GAPs 67 and 69).	Further evaluation; AOC recommended	4
	Regulatory agencies are concerned about sediments in the storm sewer segment south of Building 167 that originates in EBS Parcel 154.	Further evaluation of sediment in storm drains; AOC recommended	4
	Potential impacts from historical maintenance and washdown of aircraft and other vehicles that may have occurred near Building 167.	Further evaluation; AOC recommended	4
	Elevated VOCs in groundwater from IR Site 9 in eastern portion of EBS parcel.	Continue to address groundwater as part of IR Site 9 (excluded from SI evaluation)	NA
	Outside of areas designated for further evaluation: reported chemical concentrations were below residential and industrial screening criteria and did not contribute to elevated risk at the parcel.	No further evaluation	NA
	Presence of four additional SWMUs (NADEP GAPs 68, 71, and 72 and NAS GAP 28; sampling results indicate no contamination.	No further evaluation	NA
	Presence of one additional SWMU, AOC 340 (also known as UST 340)	Closed by Water Board	NA
155	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	None based on historical use as a waterfront wharf; potential impact to soil and groundwater is unlikely.	No further evaluation for this EBS parcel	NA
159	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	Possible impact to groundwater as a result of historical aircraft and other vehicle maintenance and washdown activities in southern portion of parcel.	Further evaluation of southern portion; AOC recommended	5
	For area outside locations where historical aircraft maintenance and washdown occurred: none, based on reported chemical concentrations below screening criteria (with one exception, which was only slightly above the residential screening level and did not exceed the industrial screening level) and risk below target risk level.	No further evaluation	NA

Table 7-1 (continued)

EBS Parcel[a]	Environmental Concern/Conclusion[b]	Navy Recommendation[c]	Area of Concern
160	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	None based on historical use; no chemical storage, spills, or staining; potential impact to soil and groundwater is unlikely.	No further evaluation for this EBS parcel	NA
164	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	None based on historical use; no chemical storage, spills, or staining; potential impact to soil and groundwater is unlikely.	No further evaluation for this EBS parcel	NA
199	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	None based on historical use; no chemical storage, spills, or staining; potential impact to soil and groundwater is unlikely.	No further evaluation for this EBS parcel	NA
201	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	None in soil, based on reported chemical concentrations below screening criteria; no chemical storage, spills, or staining; and soil risk below target levels.	No further evaluation	NA
	Elevated VOCs in groundwater from IR Site 9 in eastern portion of EBS parcel.	Continue to address groundwater as part of IR Site 9 (excluded from SI evaluation)	NA
	Presence of two SWMUs (NADEP GAPs 65 and 66).	Closed by DTSC	NA
202	Possible aircraft parking and staining at Transfer Parcel EDC-12.	An aircraft parking and staining evaluation for Transfer Parcel EDC-12	NA
	For area outside CAA-9A: none based on historical use; no chemical storage, spills, or staining; potential impact to soil and groundwater is unlikely.	No further evaluation	NA
	Potential release of corrosion-inhibiting chemicals that may have been used at SWMU AST 584.	Further evaluation of SWMU AST 584; AOC recommended	6

Table 7-1 (continued)

Notes:

[a] the following EBS parcels contained in Transfer Parcel EDC-12 are in CAA sites:
portions of EBS Parcels 150, 159, and 202 are in CAA-9A
portions of EBS Parcels 138 and 155C are in CAA-11A
portions of EBS Parcels 138, 139, 140, and 155C are in CAA-11B

[b] except where otherwise noted (EBS Parcel 159), all detected chemicals were present at concentrations above both residential and industrial screening levels

[c] the statement "no further evaluation" refers only to the status of the environmental issues at the parcel; status of compliance-related issues (e.g., asbestos, lead-based paint, PCBs) is not known

Acronyms/Abbreviations:

AOC – area of concern
AST – aboveground storage tank
B(a)P – benzo(a)pyrene
CAA – corrective action area
DTSC – (California Environmental Protection Agency) Department of Toxic Substances Control
EBS – environmental baseline survey
EDC – economic development conveyance
GAP – generator accumulation point
IR – Installation Restoration (Program)
NA – not applicable
NADEP – Naval Aviation Depot
NAS – Naval Air Station
PAH – polynuclear aromatic hydrocarbon
PCB – polychlorinated biphenyl
SI – site inspection
SVOC – semivolatile organic compound
SWMU – solid waste management unit
TPH – total petroleum hydrocarbons
UST – underground storage tank
VOC – volatile organic compound
Water Board – San Francisco Bay Regional Water Quality Control Board

APPENDIX A

ANALYTICAL RESULTS

Bechtel Environmental, Inc. (BEI) conducted only 1 of the 21 studies used as data sources in this Site Inspection Report. Therefore, the data tables contain information prepared by other Navy contractors and provided to BEI by the Navy for use in preparing this report. BEI did not verify the data provided by the Navy.

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A-5 Soil Gas Samples

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ACRONYMS/ABBREVIATIONS

BEI	Bechtel Environmental, Inc.
CLEAN	Comprehensive Long-Term Environmental Action Navy
CTO	contract task order
EBS	environmental baseline survey
EDC	economic development conveyance
FS	feasibility study
PAH	polynuclear aromatic hydrocarbon
RI	remedial investigation

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Appendix A
ANALYTICAL RESULTS

The analytical data from Transfer Parcel Economic Development Conveyance (EDC)-12 used in this report have been tabulated and are presented in five tables on compact disk (located at the end of this report). Table A-1 presents analytical results from groundwater samples, Tables A-2 and A-3 present analytical results from soil samples, and Tables A-4 and A-5 present sediment and soil gas samples, respectively.

A1 ATTRIBUTION AND FORMAT

Twenty-one environmental investigations have been conducted within Transfer Parcel EDC-12 (as discussed in Section 3 of the main report). Most of the existing data for Transfer Parcel EDC-12 were derived from the following studies (a subset of the 21 total investigations):

- environmental baseline survey (EBS) soil, soil gas, sediment, and groundwater data (excluding polynuclear aromatic hydrocarbons in soil, due to detection limits above regulatory criteria)
- soil, sediment, and groundwater results available in the 2004 ArcView Query Station from the investigations discussed in Section 3 of the main report
- groundwater data from the basewide groundwater monitoring program (only the most recent data for each analyte are presented)
- polynuclear aromatic hydrocarbon (PAH) data from the 2002 PAH investigation (BEI 2003)
- PAH data from the 2003 PAH investigation (BEI 2004)

Headings for the data tables contained in this appendix list information pertaining to the sampling location (EBS parcel or decision area), station ID, sample ID, sample type (regular or duplicate), depth interval, sampling date, and a reference citation. A complete reference list is presented below in Section A3.

The reference "TtEMI 2004" is used in the tables in this appendix to indicate data extracted from the Alameda Point ArcView Query Station database; data from this database included analytical results from the following investigations (as discussed in Section 3 of the main report):

- Remedial Investigation (RI)/Feasibility Study (FS) Sampling Plan for Naval Air Station Alameda (Canonie 1990)
- Final Field Sampling Report Addendum for the Expanded In-Situ Chemical Oxidation Pilot Test at Installation Restoration Site 9 Intermediate (Shaw 2005)
- Summary Report, Data Gap Investigation at Corrective Action Areas and Other Locations (TtEMI 2001)
- Final RI/FS Data Transmittal Memorandum, Sites 1, 2, 3, Runway Areas 6, 7A, 7B, 7C, 9, 10B, 11, 13, 15, 16, and 19 (PRC and Montgomery Watson 1996)

- Data Summary Report, Supplemental RI Data Gap Sampling for Operable Units 1 and 2 (TtEMI 2002)
- Basewide Groundwater Monitoring Program (Shaw 2004)

A2 ANALYTICAL DATA TABLES (ON COMPACT DISK)

A3 REFERENCES FOR ANALYTICAL DATA TABLES

Bechtel Environmental, Inc. 2003. Draft Site Inspection Report, Transfer Parcels EDC-12, EDC-17, PBC-3, EDC-21, and EDC-5, Alameda Point, Alameda, California. March.

———. 2004. Field Activity Report, Assessment of PAH Contamination at Selected CERCLA Sites and EBS Parcels, Alameda Point, Alameda, California. April.

BEI. *See* Bechtel Environmental, Inc.

Canonie. *See* Canonie Environmental Services, Inc.

Canonie Environmental Services, Inc. 1990. Sampling Plan, Remedial Investigation/Feasibility Study, Naval Air Station Alameda, Alameda, California, Volume 1. February.

Innovative Technical Solutions, Inc. 2006. Summer 2005 Quarterly Groundwater Monitoring Data Report. March.

International Technology Corporation. 2001. Environmental Baseline Survey Data Evaluation Summary – Final, Alameda Point, California. January.

IT. *See* International Technology Corporation.

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PRC Environmental Management, Inc., and Montgomery Watson. 1996. Final Remedial Investigation/Feasibility Study Data Transmittal Memorandum, Sites 1, 2, 3; Runway Areas 6, 7A, 7B, 7C, 9, 10B, 11, 13, 15, 16, and 19. May.

Shaw. *See* Shaw Environmental, Inc.

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Tetra Tech EM Inc. 2001. Summary Report, Data Gap Investigation at Corrective Action Areas and Other Locations at Alameda Point, Alameda Point, Alameda, California. March 2.

———. 2002. Data Summary Report, Supplemental Remedial Investigation Data Gap Sampling for Operable Units 1 and 2. Prepared for the Department of the Navy, Southwest Division Naval Facilities Engineering Command, San Diego, California. July 25.

———. 2004. Alameda Point ArcView Query Station. October 11.

TtEMI. *See* Tetra Tech EM Inc.

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ALAMEDA POINT
SSIC NO. 5090.3

TABLES

FINAL
SITE INSPECTION REPORT
TRANSFER PARCEL EDC-12

DATED 10 OCTOBER 2007

Table A-1
Groundwater Samples*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*030-FLI-508*	*030-MOD1-145*	*030-MOD1-67*	*030-MOD1-89*	*030-S07-013*	*030-S07-013*	*138-Z17-017*	*37-10-MOJ*	*37-11/12-L*	*37-11-MOJ*	*37-12-MOJ*	*37-13-MOJ*
Sample ID	*030-FLI-508*	*030-MOD1-145*	*030-MOD1-67*	*030-MOD1-89*	*030-S07-013A*	*030-S07-013B*	*138-0025*	*37-P10*	*37-11/12-L*	*37-P11*	*37-P12*	*37-P13*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*7.5–8*	*0–7*	*0–9*	*11.5–12*	*7.5–8*	*7.5–8*	*11.5–12.5*	*–*	*–*	*–*	*–*	*–*
Sample Date	*29-Sep-98*	*24-Nov-98*	*20-Nov-98*	*16-Nov-98*	*30-Sep-98*	*01-Oct-98*	*30-Oct-95*	*18-Aug-97*	*09-Feb-95*	*19-Aug-97*	*18-Aug-97*	*18-Aug-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*IT 2001*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Volatile Organic Compounds (µg/L)												
acetone		*40 U*		*12 UJ*	*14 UJ*							
benzene	*345*	*10 U*	*2.5 U*	*2.7*	*8*			*0.5 U*	*25 U*	*0.5 U*	*2.5 U*	*0.5 U*
bromobenzene												
bromochloromethane		*20 U*		*1 U*								
bromodichloromethane		*20 U*		*1 U*	*10 U*							
bromoform		*20 U*		*1 U*	*10 U*							
bromomethane		*20 U*		*1 U*	*10 U*							
2-butanone		*40 U*		*2 U*	*10 U*							
tert-butyl alcohol												
n-butylbenzene												
sec-butylbenzene												
tert-butylbenzene												
carbon disulfide		*20 U*		*1 U*	*10 U*							
carbon tetrachloride		*10 U*		*0.5 U*	*3 U*							
chlorobenzene		*20 U*		*1 U*	*10 U*							
chlorodibromomethane		*20 U*		*1 U*	*10 U*							
chloroethane		*20 U*		*1 U*	*10 U*							
chloroform		*20 U*		*1 U*	*10 U*							
chloromethane		*20 U*		*1 U*	*10 U*							
2-chlorotoluene												
4-chlorotoluene												
1,2-dibromo-3-chloropropane		*20 U*		*1 U*								
1,2-dibromoethane		*20 U*		*1 U*								
dibromomethane												
1,2-dichlorobenzene		*20 U*		*1 U*								
1,3-dichlorobenzene		*20 U*		*1 U*			*10 U*					
1,4-dichlorobenzene		*20 U*		*1 U*			*10 U*					
trans-1,4-dichloro-2-butene												
dichlorodifluoromethane												
1,1-dichloroethane		*20 U*		*1 U*	*10 U*							
1,2-dichloroethane		*10 U*		*0.5 U*	*3 U*							
1,1-dichloroethene		*20 U*		*1 U*	*10 U*							
cis-1,2-dichloroethene		*20 U*		*1 U*								
trans-1,2-dichloroethene		*20 U*		*1 U*								
1,2-dichloroethene					*10 U*							
1,2-dichloropropane		*20 U*		*1 U*	*10 U*							
1,3-dichloropropane												
sec-dichloropropane												
1,1-dichloropropene												
cis-1,3-dichloropropene		*20 U*		*1 U*	*10 U*							
trans-1,3-dichloropropene		*10 U*		*0.5 U*	*3 U*							
diisopropyl ether												
2-ethoxy-2-methyl propane												
ethylbenzene	*181*	*20 U*	*2.5 U*	*7.5*	*6 J*			*4*	*25 U*	*0.5 U*	*2.5 U*	*0.5 U*

Table A-1
Groundwater Samples*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*030-FLI-508*	*030-MOD1-145*	*030-MOD1-67*	*030-MOD1-89*	*030-S07-013*	*030-S07-013*	*138-Z17-017*	*37-10-MOJ*	*37-11/12-L*	*37-11-MOJ*	*37-12-MOJ*	*37-13-MOJ*
Sample ID	*030-FLI-508*	*030-MOD1-145*	*030-MOD1-67*	*030-MOD1-89*	*030-S07-013A*	*030-S07-013B*	*138-0025*	*37-P10*	*37-11/12-L*	*37-P11*	*37-P12*	*37-P13*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*7.5–8*	*0–7*	*0–9*	*11.5–12*	*7.5–8*	*7.5–8*	*11.5–12.5*	*–*	*–*	*–*	*–*	*–*
Sample Date	*29-Sep-98*	*24-Nov-98*	*20-Nov-98*	*16-Nov-98*	*30-Sep-98*	*01-Oct-98*	*30-Oct-95*	*18-Aug-97*	*09-Feb-95*	*19-Aug-97*	*18-Aug-97*	*18-Aug-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*IT 2001*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Volatile Organic Compounds (µg/L) (continued)												
hexachlorobutadiene												
2-hexanone		*40 U*		*2 U*	*10 UJ*							
isopropylbenzene												
p-isopropyltoluene												
2-methoxy-2-methyl-butane (tert-amyl methyl ether)												
methyl tert-butyl ether	*25 U*		*35*		*25 U*			*5 U*		*5 U*	*25 U*	*5 U*
methylene chloride		*20 U*		*1 U*	*10 UJ*							
2-methylnaphthalene							*10 U*					
4-methyl-2-pentanone		*40 U*		*2 U*	*10 U*							
naphthalene							*10 U*					
n-propylbenzene												
styrene		*20 U*		*1 U*	*10 U*							
1,1,1,2-tetrachloroethane												
1,1,2,2-tetrachloroethane		*20 U*		*1 U*	*10 U*							
tetrachloroethene		*20 U*		*1 U*	*10 U*							
toluene	*1,190*	*20 U*	*2.5 U*	*8.3*	*45*			*0.5 U*	*25 U*	*0.5 U*	*78*	*0.5 U*
1,2,3-trichlorobenzene												
1,2,4-trichlorobenzene		*20 U*		*1 U*			*10 U*					
1,1,1-trichloroethane		*20 U*		*1 U*	*10 U*							
1,1,2-trichloroethane		*20 U*		*1 U*	*10 U*							
trichloroethene		*20 U*		*1 U*	*10 U*							
trichlorofluoromethane												
1,2,3-trichloropropane												
1,2,4-trimethylbenzene												
1,3,5-trimethylbenzene												
vinyl chloride		*10 U*		*0.5 U*	*3 U*							
m-, p-xylene			*2.5 U*									
o-xylene			*27*									
xylenes, total	*804*	*20 U*		*28*	*34*			*9.8*	*15*	*1*	*2.7*	*1 U*
Petroleum Hydrocarbons (µg/L)												
diesel	*680 J*	*27,000 J*	*1,100 J*	*1,200 U*	*100 U*			*1,300*	*29,000*	*340*	*250 U*	*250*
gasoline	*10,300 J*	*370 J*	*950 J*	*870 J*	*580 J*		*50 UJ*	*260*	*23,000*	*50 U*	*3,200*	*50 U*
jet fuel #5 (JP5)								*500 U*	*27,000*	*500 U*	*21,000*	*500 U*
JP-5	*100 U*	*2,500 U*	*100 U*	*9,600 J*	*830 J*							
motor oil	*200 J*	*2,500 U*	*100 U*	*30,000 J*	*240 J*				*29,000*		*1,250 U*	
Semivolatile Organic Compounds (µg/L)												
acenaphthene					*1 U*		*10 U*					
acenaphthylene					*1 U*		*10 U*					
anthracene					*1 U*		*10 U*					
benz(a)anthracene					*1 U*		*10 U*					
benzo(b)fluoranthene					*1 U*		*10 U*					
benzo(k)fluoranthene					*1 U*		*10 U*					
benzo(g,h,i)perylene					*1 U*		*10 U*					
benzo(a)pyrene					*1 U*		*10 U*					

Table A-1
Groundwater Samples*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*030-FLI-508*	*030-MOD1-145*	*030-MOD1-67*	*030-MOD1-89*	*030-S07-013*	*030-S07-013*	*138-Z17-017*	*37-10-MOJ*	*37-11/12-L*	*37-11-MOJ*	*37-12-MOJ*	*37-13-MOJ*
Sample ID	*030-FLI-508*	*030-MOD1-145*	*030-MOD1-67*	*030-MOD1-89*	*030-S07-013A*	*030-S07-013B*	*138-0025*	*37-P10*	*37-11/12-L*	*37-P11*	*37-P12*	*37-P13*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*7.5–8*	*0–7*	*0–9*	*11.5–12*	*7.5–8*	*7.5–8*	*11.5–12.5*	*–*	*–*	*–*	*–*	*–*
Sample Date	*29-Sep-98*	*24-Nov-98*	*20-Nov-98*	*16-Nov-98*	*30-Sep-98*	*01-Oct-98*	*30-Oct-95*	*18-Aug-97*	*09-Feb-95*	*19-Aug-97*	*18-Aug-97*	*18-Aug-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*IT 2001*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/L) (continued)												
bis(2-chloroethoxy)methane					*1 U*		*10 U*					
bis(2-chloroethyl)ether					*1 U*		*10 U*					
bis(2-chloro-1-methylethyl)ether					*1 UJ*		*10 U*					
bis(2-ethylhexyl)phthalate					*1 U*		*10 U*					
4-bromophenyl phenyl ether					*1 U*		*10 U*					
butyl benzyl phthalate					*1 U*		*10 U*					
carbazole					*1 U*		*10 U*					
4-chloroaniline					*1 U*		*10 U*					
4-chloro-3-methylphenol					*1 U*		*10 U*					
2-chloronaphthalene					*1 U*		*10 U*					
2-chlorophenol					*1 U*		*10 U*					
4-chlorophenyl phenyl ether					*1 U*		*10 U*					
chrysene					*1 U*		*10 U*					
dibenz(a,h)anthracene					*1 U*		*10 U*					
di-n-butyl phthalate					*1 U*		*10 U*					
dibenzofuran					*1 U*		*10 U*					
1,2-dichlorobenzene					*1 U*		*10 U*					
1,3-dichlorobenzene					*1 U*							
1,4-dichlorobenzene					*1 U*							
3,3'-dichlorobenzidine					*1 U*		*10 U*					
2,4-dichlorophenol					*1 U*		*10 U*					
diethyl phthalate					*1 U*		*10 U*					
2,4-dimethylphenol					*1 U*		*10 U*					
dimethyl phthalate					*1 U*		*10 U*					
4,6-dinitro-2-methylphenol					*3 U*		*25 U*					
2,4-dinitrophenol					*3 UJ*		*25 U*					
2,4-dinitrotoluene					*1 U*		*10 U*					
2,6-dinitrotoluene					*1 U*		*10 U*					
di-n-octyl phthalate					*1 U*		*10 U*					
fluoranthene					*1 U*		*10 U*					
fluorene					*1 U*		*10 U*					
hexachlorobenzene					*1 U*		*10 U*					
hexachlorobutadiene					*1 U*		*10 U*					
hexachlorocyclopentadiene					*1 U*		*10 U*					
hexachloroethane					*1 U*		*10 U*					
indeno(1,2,3-cd)pyrene					*1 U*		*10 U*					
isophorone					*1 U*		*10 U*					
2-methylnaphthalene					*0.7 J*							
2-methylphenol					*1 U*		*10 U*					
4-methylphenol					*1 U*		*10 U*					
naphthalene					*1 U*							
2-nitroaniline					*3 U*		*25 U*					
3-nitroaniline					*3 U*		*25 U*					
4-nitroaniline					*3 UJ*		*25 U*					

Table A-1
Groundwater Samples*

EBS Parcel	138	138	138	138	138	138	138	138	138	138	138	138
Station ID	030-FLI-508	030-MOD1-145	030-MOD1-67	030-MOD1-89	030-S07-013	030-S07-013	138-Z17-017	37-10-MOJ	37-11/12-L	37-11-MOJ	37-12-MOJ	37-13-MOJ
Sample ID	030-FLI-508	030-MOD1-145	030-MOD1-67	030-MOD1-89	030-S07-013A	030-S07-013B	138-0025	37-P10	37-11/12-L	37-P11	37-P12	37-P13
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	7.5–8	0–7	0–9	11.5–12	7.5–8	7.5–8	11.5–12.5	–	–	–	–	–
Sample Date	29-Sep-98	24-Nov-98	20-Nov-98	16-Nov-98	30-Sep-98	01-Oct-98	30-Oct-95	18-Aug-97	09-Feb-95	19-Aug-97	18-Aug-97	18-Aug-97
Reference	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	IT 2001	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004
Semivolatile Organic Compounds (µg/L) (continued)												
nitrobenzene					1 UJ		10 U					
4-nitrophenol					3 U		25 U					
2-nitrophenol					1 U		10 U					
N-nitrosodiphenylamine					1 U		10 U					
N-nitroso-di-n-propylamine					1 U		10 U					
pentachlorophenol					3 U		25 U					
phenanthrene					1 U		10 U					
phenol					1 U		10 U					
pyrene					1 U		10 U					
1,2,4-trichlorobenzene					1 U							
2,4,5-trichlorophenol					3 U		25 U					
2,4,6-trichlorophenol					1 U		10 U					
Metals (µg/L)												
aluminum		70,100 J		177,000		280,000						
antimony		3.1 UJ		1.5 U		7.6 U						
arsenic		23.5 J		27.3		93.2						
barium		769 J		1630		5,880						
beryllium		6.6 J		4.6 J		0.8 U						
cadmium		26.9 J		2.2		7.8 J						
calcium												
calcium		402,000 J		443,000		472,000						
chromium		185 J		491		812						
cobalt		382 J		452		348						
copper		669 J		810		1,460						
iron		184,000 J		375,000		489,000						
lead		1,590 J	25.9	664		600						
magnesium												
magnesium		120,000 J		222,000		251,000						
manganese		14,600 J		23,300		17,300						
mercury		0.1 U		3.9		1.9						
molybdenum		1.4 UJ		0.48 U		6.3 UJ						
nickel		826 J		1,300		836						
potassium												
potassium		23,200 J		47,600		24,000						
selenium		9 UJ		57.5 U		8 UJ						
silver		1 UJ		0.3 U		1.6 U						
sodium												
sodium		50,900 J		90,900		25,900						
thallium		9.7 J		1.3 U		7.2 U						
vanadium		459 J		924		937						
zinc		3,110 J		1,910		1,710						

Table A-1
Groundwater Samples*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-14-MOJ*	*37-15-MOJ*	*37-16-MOJ*	*37-17-MOJ*	*37-18A-MOJ*	*37-18B-MOJ*	*37-19-MOJ*	*37-20-MOJ*	*37-21L*	*37-25-MOJ*	*37-27-MOJ*	*37-28-MOJ*
Sample ID	*37-P14*	*37-P15*	*37-P16*	*37-P17*	*37-P18AZ*	*37-P18B*	*37-P19*	*37-P20*	*37-21L*	*37-P25*	*37-P27*	*37-P28*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	–	–	–	–	–	–	–	–	–	–	–	–
Sample Date	*18-Aug-97*	*22-Aug-97*	*22-Aug-97*	*22-Aug-97*	*18-Aug-97*	*18-Aug-97*	*18-Aug-97*	*19-Aug-97*	*29-Jun-95*	*19-Aug-97*	*21-Aug-97*	*22-Aug-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Volatile Organic Compounds (µg/L)												
acetone												
benzene	*0.5 U*	*3.8*	*4.1*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*2.5 U*		*0.5 U*
bromobenzene												
bromochloromethane												
bromodichloromethane												
bromoform												
bromomethane												
2-butanone												
tert-butyl alcohol												
n-butylbenzene												
sec-butylbenzene												
tert-butylbenzene												
carbon disulfide												
carbon tetrachloride												
chlorobenzene												
chlorodibromomethane												
chloroethane												
chloroform												
chloromethane												
2-chlorotoluene												
4-chlorotoluene												
1,2-dibromo-3-chloropropane												
1,2-dibromoethane												
dibromomethane												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
trans-1,4-dichloro-2-butene												
dichlorodifluoromethane												
1,1-dichloroethane												
1,2-dichloroethane												
1,1-dichloroethene												
cis-1,2-dichloroethene												
trans-1,2-dichloroethene												
1,2-dichloroethene												
1,2-dichloropropane												
1,3-dichloropropane												
sec-dichloropropane												
1,1-dichloropropene												
cis-1,3-dichloropropene												
trans-1,3-dichloropropene												
diisopropyl ether												
2-ethoxy-2-methyl propane												
ethylbenzene	*0.5 U*	*40*	*27*	*6.5*	*14*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*2.5 U*		*0.5 U*

Table A-1
Groundwater Samples*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-14-MOJ*	*37-15-MOJ*	*37-16-MOJ*	*37-17-MOJ*	*37-18A-MOJ*	*37-18B-MOJ*	*37-19-MOJ*	*37-20-MOJ*	*37-21L*	*37-25-MOJ*	*37-27-MOJ*	*37-28-MOJ*
Sample ID	*37-P14*	*37-P15*	*37-P16*	*37-P17*	*37-P18AZ*	*37-P18B*	*37-P19*	*37-P20*	*37-21L*	*37-P25*	*37-P27*	*37-P28*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	–	–	–	–	–	–	–	–	–	–	–	–
Sample Date	*18-Aug-97*	*22-Aug-97*	*22-Aug-97*	*22-Aug-97*	*18-Aug-97*	*18-Aug-97*	*18-Aug-97*	*19-Aug-97*	*29-Jun-95*	*19-Aug-97*	*21-Aug-97*	*22-Aug-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Volatile Organic Compounds (µg/L) (continued)												
hexachlorobutadiene												
2-hexanone												
isopropylbenzene												
p-isopropyltoluene												
2-methoxy-2-methyl-butane (tert-amyl methyl ether)												
methyl tert-butyl ether	*5 U*	*10 U*	*25 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*		*25 U*		*5 U*
methylene chloride												
2-methylnaphthalene												
4-methyl-2-pentanone												
naphthalene												
n-propylbenzene												
styrene												
1,1,1,2-tetrachloroethane												
1,1,2,2-tetrachloroethane												
tetrachloroethene												
toluene	*0.5 U*	*1 U*	*2.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5*	*0.5 U*	*2.5 U*		*0.5 U*
1,2,3-trichlorobenzene												
1,2,4-trichlorobenzene												
1,1,1-trichloroethane												
1,1,2-trichloroethane												
trichloroethene												
trichlorofluoromethane												
1,2,3-trichloropropane												
1,2,4-trimethylbenzene												
1,3,5-trimethylbenzene												
vinyl chloride												
m-, p-xylene												
o-xylene												
xylenes, total	*1 U*	*54*	*180*	*1 U*	*4.2*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*5 U*		*0.5 U*
Petroleum Hydrocarbons (µg/L)												
diesel	*150*	*2,800*	*930*	*2,100*	*3,200*	*310*	*4,900*	*50 U*	*4,600*	*250 U*	*50 U*	*50 U*
gasoline	*50 U*	*3,000*	*5,600*	*1,600*	*300*	*50 U*	*50 U*	*50 U*	*50 U*	*8,500*		*50 U*
jet fuel #5 (JP5)	*500 U*	*3,100*	*1,200*	*2,300*	*500 U*	*500 U*	*530 U*	*50 U*	*4,300*	*18,000*	*50 U*	*50 U*
JP-5												
motor oil								*250 U*	*3,400*		*250 U*	*250 U*
Semivolatile Organic Compounds (µg/L)												
acenaphthene												
acenaphthylene												
anthracene												
benz(a)anthracene												
benzo(b)fluoranthene												
benzo(k)fluoranthene												
benzo(g,h,i)perylene												
benzo(a)pyrene												

Table A-1
Groundwater Samples*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-14-MOJ*	*37-15-MOJ*	*37-16-MOJ*	*37-17-MOJ*	*37-18A-MOJ*	*37-18B-MOJ*	*37-19-MOJ*	*37-20-MOJ*	*37-21L*	*37-25-MOJ*	*37-27-MOJ*	*37-28-MOJ*
Sample ID	*37-P14*	*37-P15*	*37-P16*	*37-P17*	*37-P18AZ*	*37-P18B*	*37-P19*	*37-P20*	*37-21L*	*37-P25*	*37-P27*	*37-P28*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	–	–	–	–	–	–	–	–	–	–	–	–
Sample Date	*18-Aug-97*	*22-Aug-97*	*22-Aug-97*	*22-Aug-97*	*18-Aug-97*	*18-Aug-97*	*18-Aug-97*	*19-Aug-97*	*29-Jun-95*	*19-Aug-97*	*21-Aug-97*	*22-Aug-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/L) (continued)												
bis(2-chloroethoxy)methane												
bis(2-chloroethyl)ether												
bis(2-chloro-1-methylethyl)ether												
bis(2-ethylhexyl)phthalate												
4-bromophenyl phenyl ether												
butyl benzyl phthalate												
carbazole												
4-chloroaniline												
4-chloro-3-methylphenol												
2-chloronaphthalene												
2-chlorophenol												
4-chlorophenyl phenyl ether												
chrysene												
dibenz(a,h)anthracene												
di-n-butyl phthalate												
dibenzofuran												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
3,3'-dichlorobenzidine												
2,4-dichlorophenol												
diethyl phthalate												
2,4-dimethylphenol												
dimethyl phthalate												
4,6-dinitro-2-methylphenol												
2,4-dinitrophenol												
2,4-dinitrotoluene												
2,6-dinitrotoluene												
di-n-octyl phthalate												
fluoranthene												
fluorene									*6.6*			
hexachlorobenzene												
hexachlorobutadiene												
hexachlorocyclopentadiene												
hexachloroethane												
indeno(1,2,3-cd)pyrene												
isophorone												
2-methylnaphthalene												
2-methylphenol												
4-methylphenol												
naphthalene												
2-nitroaniline												
3-nitroaniline												
4-nitroaniline												

Table A-1
Groundwater Samples*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-14-MOJ*	*37-15-MOJ*	*37-16-MOJ*	*37-17-MOJ*	*37-18A-MOJ*	*37-18B-MOJ*	*37-19-MOJ*	*37-20-MOJ*	*37-21L*	*37-25-MOJ*	*37-27-MOJ*	*37-28-MOJ*
Sample ID	*37-P14*	*37-P15*	*37-P16*	*37-P17*	*37-P18AZ*	*37-P18B*	*37-P19*	*37-P20*	*37-21L*	*37-P25*	*37-P27*	*37-P28*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	–	–	–	–	–	–	–	–	–	–	–	–
Sample Date	*18-Aug-97*	*22-Aug-97*	*22-Aug-97*	*22-Aug-97*	*18-Aug-97*	*18-Aug-97*	*18-Aug-97*	*19-Aug-97*	*29-Jun-95*	*19-Aug-97*	*21-Aug-97*	*22-Aug-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/L) (continued)												
nitrobenzene												
4-nitrophenol												
2-nitrophenol												
N-nitrosodiphenylamine												
N-nitroso-di-n-propylamine												
pentachlorophenol												
phenanthrene												
phenol												
pyrene									*6.4*			
1,2,4-trichlorobenzene												
2,4,5-trichlorophenol												
2,4,6-trichlorophenol												
Metals (µg/L)												
aluminum												
antimony												
arsenic												
barium												
beryllium												
cadmium												
calcium												
calcium												
chromium												
cobalt												
copper												
iron												
lead												
magnesium												
magnesium												
manganese												
mercury												
molybdenum												
nickel												
potassium												
potassium												
selenium												
silver												
sodium												
sodium												
thallium												
vanadium												
zinc												

Table A-1
Groundwater Samples*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-2-MOJ*	*37-3-MOJ*	*37-41-MOJ*	*37-43-MOJ*	*37-44-MOJ*	*37-45-MOJ*	*37-46-MOJ*	*37-47-MOJ*	*37-48-MOJ*	*37-49-MOJ*	*37-4-MOJ*	*37-5-MOJ*
Sample ID	*37-P2*	*37-P3*	*37-P41*	*37-P43*	*37-P44*	*37-P45*	*37-P46*	*37-P47*	*37-P48*	*37-P49*	*37-P4*	*37-P5*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	–	–	–	–	–	–	–	–	–	–	–	–
Sample Date	*22-Aug-97*	*21-Aug-97*	*04-Sep-97*	*19-Sep-97*	*19-Sep-97*	*19-Sep-97*	*19-Sep-97*	*19-Sep-97*	*19-Sep-97*	*19-Sep-97*	*21-Aug-97*	*22-Aug-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Volatile Organic Compounds (µg/L)												
acetone												
benzene		*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*
bromobenzene												
bromochloromethane												
bromodichloromethane												
bromoform												
bromomethane												
2-butanone												
tert-butyl alcohol												
n-butylbenzene												
sec-butylbenzene												
tert-butylbenzene												
carbon disulfide												
carbon tetrachloride												
chlorobenzene												
chlorodibromomethane												
chloroethane												
chloroform												
chloromethane												
2-chlorotoluene												
4-chlorotoluene												
1,2-dibromo-3-chloropropane												
1,2-dibromoethane												
dibromomethane												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
trans-1,4-dichloro-2-butene												
dichlorodifluoromethane												
1,1-dichloroethane												
1,2-dichloroethane												
1,1-dichloroethene												
cis-1,2-dichloroethene												
trans-1,2-dichloroethene												
1,2-dichloroethene												
1,2-dichloropropane												
1,3-dichloropropane												
sec-dichloropropane												
1,1-dichloropropene												
cis-1,3-dichloropropene												
trans-1,3-dichloropropene												
diisopropyl ether												
2-ethoxy-2-methyl propane												
ethylbenzene		*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*

Table A-1
Groundwater Samples*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-2-MOJ*	*37-3-MOJ*	*37-41-MOJ*	*37-43-MOJ*	*37-44-MOJ*	*37-45-MOJ*	*37-46-MOJ*	*37-47-MOJ*	*37-48-MOJ*	*37-49-MOJ*	*37-4-MOJ*	*37-5-MOJ*
Sample ID	*37-P2*	*37-P3*	*37-P41*	*37-P43*	*37-P44*	*37-P45*	*37-P46*	*37-P47*	*37-P48*	*37-P49*	*37-P4*	*37-P5*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	–	–	–	–	–	–	–	–	–	–	–	–
Sample Date	*22-Aug-97*	*21-Aug-97*	*04-Sep-97*	*19-Sep-97*	*19-Sep-97*	*19-Sep-97*	*19-Sep-97*	*19-Sep-97*	*19-Sep-97*	*19-Sep-97*	*21-Aug-97*	*22-Aug-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Volatile Organic Compounds (µg/L) (continued)												
hexachlorobutadiene												
2-hexanone												
isopropylbenzene												
p-isopropyltoluene												
2-methoxy-2-methyl-butane (tert-amyl methyl ether)												
methyl tert-butyl ether		*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1.2*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
methylene chloride												
2-methylnaphthalene												
4-methyl-2-pentanone												
naphthalene												
n-propylbenzene												
styrene												
1,1,1,2-tetrachloroethane												
1,1,2,2-tetrachloroethane												
tetrachloroethene												
toluene		*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.75*	*0.5 U*	*0.5 U*	*0.5 U*
1,2,3-trichlorobenzene												
1,2,4-trichlorobenzene												
1,1,1-trichloroethane												
1,1,2-trichloroethane												
trichloroethene												
trichlorofluoromethane												
1,2,3-trichloropropane												
1,2,4-trimethylbenzene												
1,3,5-trimethylbenzene												
vinyl chloride												
m-, p-xylene												
o-xylene												
xylenes, total		*1 U*	*0.5 U*	*0.5 U*	*0.5*	*0.5 U*	*0.5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Petroleum Hydrocarbons (µg/L)												
diesel	*50 U*	*320*	*50 U*	*200*	*900*	*50 U*	*50 U*	*540*	*850*	*650*	*280*	*50 U*
gasoline		*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
jet fuel #5 (JP5)	*50 U*	*500 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*500 U*	*500 U*	*530 U*	*500 U*	*50 U*
JP-5												
motor oil	*250 U*		*250 U*	*250 U*	*250 U*	*250 U*	*250 U*					*250 U*
Semivolatile Organic Compounds (µg/L)												
acenaphthene												
acenaphthylene												
anthracene												
benz(a)anthracene												
benzo(b)fluoranthene												
benzo(k)fluoranthene												
benzo(g,h,i)perylene												
benzo(a)pyrene												

Table A-1
Groundwater Samples*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-2-MOJ*	*37-3-MOJ*	*37-41-MOJ*	*37-43-MOJ*	*37-44-MOJ*	*37-45-MOJ*	*37-46-MOJ*	*37-47-MOJ*	*37-48-MOJ*	*37-49-MOJ*	*37-4-MOJ*	*37-5-MOJ*
Sample ID	*37-P2*	*37-P3*	*37-P41*	*37-P43*	*37-P44*	*37-P45*	*37-P46*	*37-P47*	*37-P48*	*37-P49*	*37-P4*	*37-P5*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	–	–	–	–	–	–	–	–	–	–	–	–
Sample Date	*22-Aug-97*	*21-Aug-97*	*04-Sep-97*	*19-Sep-97*	*19-Sep-97*	*19-Sep-97*	*19-Sep-97*	*19-Sep-97*	*19-Sep-97*	*19-Sep-97*	*21-Aug-97*	*22-Aug-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/L) (continued)												
bis(2-chloroethoxy)methane												
bis(2-chloroethyl)ether												
bis(2-chloro-1-methylethyl)ether												
bis(2-ethylhexyl)phthalate												
4-bromophenyl phenyl ether												
butyl benzyl phthalate												
carbazole												
4-chloroaniline												
4-chloro-3-methylphenol												
2-chloronaphthalene												
2-chlorophenol												
4-chlorophenyl phenyl ether												
chrysene												
dibenz(a,h)anthracene												
di-n-butyl phthalate												
dibenzofuran												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
3,3'-dichlorobenzidine												
2,4-dichlorophenol												
diethyl phthalate												
2,4-dimethylphenol												
dimethyl phthalate												
4,6-dinitro-2-methylphenol												
2,4-dinitrophenol												
2,4-dinitrotoluene												
2,6-dinitrotoluene												
di-n-octyl phthalate												
fluoranthene												
fluorene												
hexachlorobenzene												
hexachlorobutadiene												
hexachlorocyclopentadiene												
hexachloroethane												
indeno(1,2,3-cd)pyrene												
isophorone												
2-methylnaphthalene												
2-methylphenol												
4-methylphenol												
naphthalene												
2-nitroaniline												
3-nitroaniline												
4-nitroaniline												

Table A-1
Groundwater Samples*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-2-MOJ*	*37-3-MOJ*	*37-41-MOJ*	*37-43-MOJ*	*37-44-MOJ*	*37-45-MOJ*	*37-46-MOJ*	*37-47-MOJ*	*37-48-MOJ*	*37-49-MOJ*	*37-4-MOJ*	*37-5-MOJ*
Sample ID	*37-P2*	*37-P3*	*37-P41*	*37-P43*	*37-P44*	*37-P45*	*37-P46*	*37-P47*	*37-P48*	*37-P49*	*37-P4*	*37-P5*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	–	–	–	–	–	–	–	–	–	–	–	–
Sample Date	*22-Aug-97*	*21-Aug-97*	*04-Sep-97*	*19-Sep-97*	*19-Sep-97*	*19-Sep-97*	*19-Sep-97*	*19-Sep-97*	*19-Sep-97*	*19-Sep-97*	*21-Aug-97*	*22-Aug-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/L) (continued)												
nitrobenzene												
4-nitrophenol												
2-nitrophenol												
N-nitrosodiphenylamine												
N-nitroso-di-n-propylamine												
pentachlorophenol												
phenanthrene												
phenol												
pyrene												
1,2,4-trichlorobenzene												
2,4,5-trichlorophenol												
2,4,6-trichlorophenol												
Metals (µg/L)												
aluminum												
antimony												
arsenic												
barium												
beryllium												
cadmium												
calcium												
calcium												
chromium												
cobalt												
copper												
iron												
lead												
magnesium												
magnesium												
manganese												
mercury												
molybdenum												
nickel												
potassium												
potassium												
selenium												
silver												
sodium												
sodium												
thallium												
vanadium												
zinc												

Table A-1
Groundwater Samples*

EBS Parcel	138	138	138	138	138	138	138	138	138	138	138	138
Station ID	37-6-MOJ	37-79-MOJ	37-80-MOJ	37-81-MOJ	37-82-MOJ	37-83-MOJ	37-84-MOJ	37-L-9	37-MJ-MW1	37-MJ-MW1	37-MJ-MW2	37-MJ-MW-4
Sample ID	37-P6	37-P79	37-P80	37-P81	37-P82	37-P83	37-P84	37-L-9	37-MJ-MW-1	37-MJ-MW1-D4632	37-MJ-MW-2	37-MJ-MW-4
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	–	–	–	–	–	–	–	–	–	–	–	–
Sample Date	19-Aug-97	03-Oct-97	03-Oct-97	03-Oct-97	03-Oct-97	03-Oct-97	03-Oct-97	03-Feb-95	06-Apr-99	15-Sep-05	06-Apr-99	06-Apr-99
Reference	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	ITSI 2006	TtEMI 2004	TtEMI 2004
Volatile Organic Compounds (µg/L)												
acetone										10 U		
benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	700		0.5 U	0.5 U	0.5 U
bromobenzene										0.5 U		
bromochloromethane										0.5 U		
bromodichloromethane										0.5 U		
bromoform										1 U		
bromomethane										1 U		
2-butanone										10 U		
tert-butyl alcohol										2 J		
n-butylbenzene										0.5 U		
sec-butylbenzene										0.5 U		
tert-butylbenzene										0.5 U		
carbon disulfide										0.5 U		
carbon tetrachloride										0.5 U		
chlorobenzene										0.5 U		
chlorodibromomethane										0.5 U		
chloroethane										1 U		
chloroform										0.5 U		
chloromethane										1 U		
2-chlorotoluene										0.5 U		
4-chlorotoluene										0.5 U		
1,2-dibromo-3-chloropropane										0.5 U		
1,2-dibromoethane										0.5 U		
dibromomethane										0.5 U		
1,2-dichlorobenzene										0.5 U		
1,3-dichlorobenzene										0.5 U		
1,4-dichlorobenzene										0.5 U		
trans-1,4-dichloro-2-butene												
dichlorodifluoromethane										1 U		
1,1-dichloroethane										0.5 U		
1,2-dichloroethane										0.5 U		
1,1-dichloroethene										0.5 U		
cis-1,2-dichloroethene										0.5 U		
trans-1,2-dichloroethene										0.5 U		
1,2-dichloroethene												
1,2-dichloropropane										0.5 U		
1,3-dichloropropane										0.5 U		
sec-dichloropropane										0.5 U		
1,1-dichloropropene										0.5 U		
cis-1,3-dichloropropene												
trans-1,3-dichloropropene												
diisopropyl ether										0.5 U		
2-ethoxy-2-methyl propane										0.5 U		
ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	200		0.5 U	0.5 U	0.5 U

Table A-1
Groundwater Samples*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-6-MOJ*	*37-79-MOJ*	*37-80-MOJ*	*37-81-MOJ*	*37-82-MOJ*	*37-83-MOJ*	*37-84-MOJ*	*37-L-9*	*37-MJ-MW1*	*37-MJ-MW1*	*37-MJ-MW2*	*37-MJ-MW-4*
Sample ID	*37-P6*	*37-P79*	*37-P80*	*37-P81*	*37-P82*	*37-P83*	*37-P84*	*37-L-9*	*37-MJ-MW-1*	*37-MJ-MW1-D4632*	*37-MJ-MW-2*	*37-MJ-MW-4*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	–	–	–	–	–	–	–	–	–	–	–	–
Sample Date	*19-Aug-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Feb-95*	*06-Apr-99*	*15-Sep-05*	*06-Apr-99*	*06-Apr-99*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*ITSI 2006*	*TtEMI 2004*	*TtEMI 2004*
Volatile Organic Compounds (µg/L) (continued)												
hexachlorobutadiene										*0.5 U*		
2-hexanone										*10 U*		
isopropylbenzene										*0.5 U*		
p-isopropyltoluene										*0.5 U*		
2-methoxy-2-methyl-butane (tert-amyl methyl ether)										*0.5 U*		
methyl tert-butyl ether	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*			*0.5 U*	*2.5 U*	*2.5 U*
methylene chloride										*5 U*		
2-methylnaphthalene												
4-methyl-2-pentanone										*10 U*		
naphthalene										*2 U*		
n-propylbenzene										*0.5 U*		
styrene										*0.5 U*		
1,1,1,2-tetrachloroethane										*0.5 U*		
1,1,2,2-tetrachloroethane										*0.5 U*		
tetrachloroethene										*0.5 U*		
toluene	*0.5 U*	*0.5 U*	*0.5 U*	*1.2*	*0.5 U*	*0.5 U*	*0.5 U*	*26*		*0.5 U*	*0.5 U*	*0.5 U*
1,2,3-trichlorobenzene										*0.5 U*		
1,2,4-trichlorobenzene										*0.5 U*		
1,1,1-trichloroethane										*0.5 U*		
1,1,2-trichloroethane										*0.5 U*		
trichloroethene										*0.5 U*		
trichlorofluoromethane										*1 U*		
1,2,3-trichloropropane										*0.5 U*		
1,2,4-trimethylbenzene										*0.5 U*		
1,3,5-trimethylbenzene										*0.5 U*		
vinyl chloride										*0.5 U*		
m-, p-xylene										*0.5 U*		
o-xylene										*0.5 U*		
xylenes, total	*0.5 U*	*0.5 U*	*0.5 U*	*31*	*48*	*0.5 U*	*0.5 U*	*190*	*0.5 U*		*0.522*	*0.5 U*
Petroleum Hydrocarbons (µg/L)												
diesel	*50 U*	*50 U*	*50 U*	*220*	*160*	*50 U*	*50 U*	*2,100*		*50 U*	*50 U*	*186*
gasoline	*50 U*	*220*	*150*	*550*	*900*	*50 U*	*50 U*	*14,000*		*50 U*	*50 U*	*50 U*
jet fuel #5 (JP5)	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*1,600*		*50 U*	*50 U*	*50 U*
JP-5												
motor oil	*600*	*1,400*	*1,200*	*250 U*	*250 U*	*250 U*	*250 U*	*820*		*300 U*	*250 U*	*250 U*
Semivolatile Organic Compounds (µg/L)												
acenaphthene												
acenaphthylene												
anthracene												
benz(a)anthracene												
benzo(b)fluoranthene												
benzo(k)fluoranthene												
benzo(g,h,i)perylene												
benzo(a)pyrene												

Table A-1
Groundwater Samples*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-6-MOJ*	*37-79-MOJ*	*37-80-MOJ*	*37-81-MOJ*	*37-82-MOJ*	*37-83-MOJ*	*37-84-MOJ*	*37-L-9*	*37-MJ-MW1*	*37-MJ-MW1*	*37-MJ-MW2*	*37-MJ-MW-4*
Sample ID	*37-P6*	*37-P79*	*37-P80*	*37-P81*	*37-P82*	*37-P83*	*37-P84*	*37-L-9*	*37-MJ-MW-1*	*37-MJ-MW1-D4632*	*37-MJ-MW-2*	*37-MJ-MW-4*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	–	–	–	–	–	–	–	–	–	–	–	–
Sample Date	*19-Aug-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Feb-95*	*06-Apr-99*	*15-Sep-05*	*06-Apr-99*	*06-Apr-99*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*ITSI 2006*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/L) (continued)												
bis(2-chloroethoxy)methane												
bis(2-chloroethyl)ether												
bis(2-chloro-1-methylethyl)ether												
bis(2-ethylhexyl)phthalate												
4-bromophenyl phenyl ether												
butyl benzyl phthalate												
carbazole												
4-chloroaniline												
4-chloro-3-methylphenol												
2-chloronaphthalene												
2-chlorophenol												
4-chlorophenyl phenyl ether												
chrysene												
dibenz(a,h)anthracene												
di-n-butyl phthalate												
dibenzofuran												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
3,3'-dichlorobenzidine												
2,4-dichlorophenol												
diethyl phthalate												
2,4-dimethylphenol												
dimethyl phthalate												
4,6-dinitro-2-methylphenol												
2,4-dinitrophenol												
2,4-dinitrotoluene												
2,6-dinitrotoluene												
di-n-octyl phthalate												
fluoranthene												
fluorene												
hexachlorobenzene												
hexachlorobutadiene												
hexachlorocyclopentadiene												
hexachloroethane												
indeno(1,2,3-cd)pyrene												
isophorone												
2-methylnaphthalene												
2-methylphenol												
4-methylphenol												
naphthalene												
2-nitroaniline												
3-nitroaniline												
4-nitroaniline												

Table A-1
Groundwater Samples*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-6-MOJ*	*37-79-MOJ*	*37-80-MOJ*	*37-81-MOJ*	*37-82-MOJ*	*37-83-MOJ*	*37-84-MOJ*	*37-L-9*	*37-MJ-MW1*	*37-MJ-MW1*	*37-MJ-MW2*	*37-MJ-MW-4*
Sample ID	*37-P6*	*37-P79*	*37-P80*	*37-P81*	*37-P82*	*37-P83*	*37-P84*	*37-L-9*	*37-MJ-MW-1*	*37-MJ-MW1-D4632*	*37-MJ-MW-2*	*37-MJ-MW-4*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	–	–	–	–	–	–	–	–	–	–	–	–
Sample Date	*19-Aug-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Feb-95*	*06-Apr-99*	*15-Sep-05*	*06-Apr-99*	*06-Apr-99*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*ITSI 2006*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/L) (continued)												
nitrobenzene												
4-nitrophenol												
2-nitrophenol												
N-nitrosodiphenylamine												
N-nitroso-di-n-propylamine												
pentachlorophenol												
phenanthrene												
phenol												
pyrene												
1,2,4-trichlorobenzene												
2,4,5-trichlorophenol												
2,4,6-trichlorophenol												
Metals (µg/L)												
aluminum										*55 J*		
antimony										*1*		
arsenic										*20*		
barium										*14*		
beryllium										*2 U*		
cadmium										*5 U*		
calcium										*19*		
calcium												
chromium										*10 U*		
cobalt										*0.29 J*		
copper										*2.9 J*		
iron										*600*		
lead										*3 U*		
magnesium										*9*		
magnesium												
manganese										*400*		
mercury										*0.2 U*		
molybdenum										*20 U*		
nickel										*20 U*		
potassium										*3.8*		
potassium												
selenium										*1.7 J*		
silver										*5 U*		
sodium										*7.4*		
sodium												
thallium										*5 U*		
vanadium										*1.3 J*		
zinc										*200*		

Table A-1
Groundwater Samples*

EBS Parcel	138	138	138	138	138	138	138	138	150	150	150	150
Station ID	37-MJ-MW-5	37-MJ-MW6	37-MJ-MW7	CA11-03	CA11-04	CA11-05	CA11-09	CA11-09	150-Z19-020	150-Z19-020	584-12-ERM	584-13-ERM
Sample ID	37-MJ-MW-5	37-MJ-MW-6	37-MJ-MW-7	030-CAP-129	030-CAP-130	030-CAP-131	030-CAP-138	030-CAP-366	150-0032	150-0033	584-W12	584-W13
Sample Type	REG	REG	REG	REG	REG	REG	REG	FD	REG	FD	REG	REG
Depth Interval (feet bgs)	–	–	–	0–10	0–10	0–10	0–10	0–10	9–10	9–10	–	–
Sample Date	06-Apr-99	16-Mar-98	16-Mar-98	02-May-00	02-May-00	02-May-00	02-May-00	02-May-00	31-Oct-95	31-Oct-95	22-Aug-95	22-Aug-95
Reference	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	IT 2001	IT 2001	TtEMI 2004	TtEMI 2004
Volatile Organic Compounds (µg/L)												
acetone												
benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U				3.5
bromobenzene												
bromochloromethane												
bromodichloromethane				1 U	1 U	1 U	1 U	1 U				
bromoform				1 U	1 U	1 U	1 U	1 U				
bromomethane				5 U	5 U	5 U	5 U	5 U				
2-butanone												
tert-butyl alcohol												
n-butylbenzene												
sec-butylbenzene												
tert-butylbenzene												
carbon disulfide												
carbon tetrachloride				1 U	1 U	1 U	1 U	1 U				
chlorobenzene				1 U	1 U	1 U	1 U	1 U				
chlorodibromomethane				1 U	1 U	1 U	1 U	1 U				
chloroethane				5 U	5 U	5 U	5 U	5 U				
chloroform				1 U	1 U	1 U	1 U	1 U				
chloromethane				5 U	5 U	5 U	5 U	5 U				
2-chlorotoluene												
4-chlorotoluene												
1,2-dibromo-3-chloropropane												
1,2-dibromoethane												
dibromomethane												
1,2-dichlorobenzene												
1,3-dichlorobenzene									10 U	10 U		
1,4-dichlorobenzene									10 U	10 U		
trans-1,4-dichloro-2-butene												
dichlorodifluoromethane												
1,1-dichloroethane				1 U	1 U	1 U	1 U	1 U				
1,2-dichloroethane				1 U	1 U	1 U	1 U	1 U				
1,1-dichloroethene				1 U	1 U	1 U	1 U	1 U				
cis-1,2-dichloroethene				1 U	1 U	1 U	1 U	1 U				
trans-1,2-dichloroethene				1 U	1 U	1 U	1 U	1 U				
1,2-dichloroethene												
1,2-dichloropropane				1 U	1 U	1 U	1 U	1 U				
1,3-dichloropropane												
sec-dichloropropane												
1,1-dichloropropene												
cis-1,3-dichloropropene				1 U	1 U	1 U	1 U	1 U				
trans-1,3-dichloropropene				1 U	1 U	1 U	1 U	1 U				
diisopropyl ether												
2-ethoxy-2-methyl propane												
ethylbenzene	0.5 U	0.5 U	0.5 U	6.6	1 U	1 U	1 U	1 U				0.5 U

Table A-1
Groundwater Samples*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*150*	*150*	*150*	*150*
Station ID	*37-MJ-MW-5*	*37-MJ-MW6*	*37-MJ-MW7*	*CA11-03*	*CA11-04*	*CA11-05*	*CA11-09*	*CA11-09*	*150-Z19-020*	*150-Z19-020*	*584-12-ERM*	*584-13-ERM*
Sample ID	*37-MJ-MW-5*	*37-MJ-MW-6*	*37-MJ-MW-7*	*030-CAP-129*	*030-CAP-130*	*030-CAP-131*	*030-CAP-138*	*030-CAP-366*	*150-0032*	*150-0033*	*584-W12*	*584-W13*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*FD*	*REG*	*FD*	*REG*	*REG*
Depth Interval (feet bgs)	*–*	*–*	*–*	*0–10*	*0–10*	*0–10*	*0–10*	*0–10*	*9–10*	*9–10*	*–*	*–*
Sample Date	*06-Apr-99*	*16-Mar-98*	*16-Mar-98*	*02-May-00*	*02-May-00*	*02-May-00*	*02-May-00*	*02-May-00*	*31-Oct-95*	*31-Oct-95*	*22-Aug-95*	*22-Aug-95*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*IT 2001*	*IT 2001*	*TtEMI 2004*	*TtEMI 2004*
Volatile Organic Compounds (µg/L) (continued)												
hexachlorobutadiene												
2-hexanone												
isopropylbenzene												
p-isopropyltoluene												
2-methoxy-2-methyl-butane (tert-amyl methyl ether)												
methyl tert-butyl ether	*2.5 U*	*2.5 U*	*12*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*				
methylene chloride				*2 U*	*2 U*	*2 U*	*2 U*	*2 U*				
2-methylnaphthalene									*10 U*	*10 U*		
4-methyl-2-pentanone												
naphthalene									*10 U*	*10 U*		
n-propylbenzene												
styrene				*1 U*	*1 U*	*1 U*	*1 U*	*1 U*				
1,1,1,2-tetrachloroethane												
1,1,2,2-tetrachloroethane				*1 U*	*1 U*	*1 U*	*1 U*	*1 U*				
tetrachloroethene				*1 U*	*1 U*	*1 U*	*1 U*	*1 U*				
toluene	*0.5 U*	*0.5 U*	*0.5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*				*0.5 U*
1,2,3-trichlorobenzene												
1,2,4-trichlorobenzene									*10 U*	*10 U*		
1,1,1-trichloroethane				*1 U*	*1 U*	*1 U*	*1 U*	*1 U*				
1,1,2-trichloroethane				*1 U*	*1 U*	*1 U*	*1 U*	*1 U*				
trichloroethene				*1 U*	*1 U*	*1 U*	*1 U*	*1 U*				
trichlorofluoromethane												
1,2,3-trichloropropane												
1,2,4-trimethylbenzene				*1 U*	*1 U*	*1 U*	*1 U*	*1 U*				
1,3,5-trimethylbenzene				*1 U*	*1 U*	*1 U*	*1 U*	*1 U*				
vinyl chloride				*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*				
m-, p-xylene				*1 U*	*1 U*	*1 U*	*1 U*	*1 U*				
o-xylene				*1 U*	*1 U*	*1 U*	*1 U*	*1 U*				
xylenes, total	*0.5 U*	*0.5 U*	*0.5 U*									*0.96*
Petroleum Hydrocarbons (µg/L)												
diesel	*50 U*	*440*	*78*	*2,700 J*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*	*30,000*	*2,900*
gasoline	*50 U*	*50 U*	*50 U*	*2,600 J*	*50 U*	*50 U*	*50 U*	*50 U*	*50 UJ*	*50 UJ*		*120*
jet fuel #5 (JP5)	*50 U*	*360*	*50 U*									
JP-5												
motor oil	*250 U*	*250 U*	*250 U*	*500 U*	*500 U*	*500 U*	*500 U*	*500 U*	*200 U*	*200 U*		
Semivolatile Organic Compounds (µg/L)												
acenaphthene									*10 U*	*10 U*		
acenaphthylene									*10 U*	*10 U*		
anthracene									*10 U*	*10 U*		
benz(a)anthracene									*10 U*	*10 U*		
benzo(b)fluoranthene									*10 U*	*10 U*		
benzo(k)fluoranthene									*10 U*	*10 U*		
benzo(g,h,i)perylene									*10 U*	*10 U*		
benzo(a)pyrene									*10 U*	*10 U*		

Table A-1
Groundwater Samples*

EBS Parcel	138	138	138	138	138	138	138	138	150	150	150	150
Station ID	37-MJ-MW-5	37-MJ-MW6	37-MJ-MW7	CA11-03	CA11-04	CA11-05	CA11-09	CA11-09	150-Z19-020	150-Z19-020	584-12-ERM	584-13-ERM
Sample ID	37-MJ-MW-5	37-MJ-MW-6	37-MJ-MW-7	030-CAP-129	030-CAP-130	030-CAP-131	030-CAP-138	030-CAP-366	150-0032	150-0033	584-W12	584-W13
Sample Type	REG	REG	REG	REG	REG	REG	REG	FD	REG	FD	REG	REG
Depth Interval (feet bgs)	–	–	–	0–10	0–10	0–10	0–10	0–10	9–10	9–10	–	–
Sample Date	06-Apr-99	16-Mar-98	16-Mar-98	02-May-00	02-May-00	02-May-00	02-May-00	02-May-00	31-Oct-95	31-Oct-95	22-Aug-95	22-Aug-95
Reference	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	IT 2001	IT 2001	TtEMI 2004	TtEMI 2004
Semivolatile Organic Compounds (µg/L) (continued)												
bis(2-chloroethoxy)methane									10 U	10 U		
bis(2-chloroethyl)ether									10 U	10 U		
bis(2-chloro-1-methylethyl)ether									10 U	10 U		
bis(2-ethylhexyl)phthalate									10 U	10 U		
4-bromophenyl phenyl ether									10 U	10 U		
butyl benzyl phthalate									10 U	10 U		
carbazole									10 U	10 U		
4-chloroaniline									10 U	10 U		
4-chloro-3-methylphenol									10 U	10 U		
2-chloronaphthalene									10 U	10 U		
2-chlorophenol									10 U	10 U		
4-chlorophenyl phenyl ether									10 U	10 U		
chrysene									10 U	10 U		
dibenz(a,h)anthracene									10 U	10 U		
di-n-butyl phthalate									10 U	10 U		
dibenzofuran									10 U	10 U		
1,2-dichlorobenzene									10 U	10 U		
1,3-dichlorobenzene												
1,4-dichlorobenzene												
3,3'-dichlorobenzidine									10 U	10 U		
2,4-dichlorophenol									10 U	10 U		
diethyl phthalate									10 U	10 U		
2,4-dimethylphenol									10 U	10 U		
dimethyl phthalate									10 U	10 U		
4,6-dinitro-2-methylphenol									25 U	25 U		
2,4-dinitrophenol									25 U	25 U		
2,4-dinitrotoluene									10 U	10 U		
2,6-dinitrotoluene									10 U	10 U		
di-n-octyl phthalate									10 U	10 U		
fluoranthene									10 U	10 U		
fluorene									10 U	10 U		
hexachlorobenzene									10 U	10 U		
hexachlorobutadiene									10 U	10 U		
hexachlorocyclopentadiene									10 U	10 U		
hexachloroethane									10 U	10 U		
indeno(1,2,3-cd)pyrene									10 U	10 U		
isophorone									10 U	10 U		
2-methylnaphthalene												
2-methylphenol									10 U	10 U		
4-methylphenol									10 U	10 U		
naphthalene												
2-nitroaniline									25 U	25 U		
3-nitroaniline									25 U	25 U		
4-nitroaniline									25 U	25 U		

Table A-1
Groundwater Samples*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*150*	*150*	*150*	*150*
Station ID	*37-MJ-MW-5*	*37-MJ-MW6*	*37-MJ-MW7*	*CA11-03*	*CA11-04*	*CA11-05*	*CA11-09*	*CA11-09*	*150-Z19-020*	*150-Z19-020*	*584-12-ERM*	*584-13-ERM*
Sample ID	*37-MJ-MW-5*	*37-MJ-MW-6*	*37-MJ-MW-7*	*030-CAP-129*	*030-CAP-130*	*030-CAP-131*	*030-CAP-138*	*030-CAP-366*	*150-0032*	*150-0033*	*584-W12*	*584-W13*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*FD*	*REG*	*FD*	*REG*	*REG*
Depth Interval (feet bgs)	*–*	*–*	*–*	*0–10*	*0–10*	*0–10*	*0–10*	*0–10*	*9–10*	*9–10*	*–*	*–*
Sample Date	*06-Apr-99*	*16-Mar-98*	*16-Mar-98*	*02-May-00*	*02-May-00*	*02-May-00*	*02-May-00*	*02-May-00*	*31-Oct-95*	*31-Oct-95*	*22-Aug-95*	*22-Aug-95*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*IT 2001*	*IT 2001*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/L) (continued)												
nitrobenzene									*10 U*	*10 U*		
4-nitrophenol									*25 U*	*25 U*		
2-nitrophenol									*10 U*	*10 U*		
N-nitrosodiphenylamine									*10 U*	*10 U*		
N-nitroso-di-n-propylamine									*10 U*	*10 U*		
pentachlorophenol									*25 U*	*25 U*		
phenanthrene									*10 U*	*10 U*		
phenol									*10 U*	*10 U*		
pyrene									*10 U*	*10 U*		
1,2,4-trichlorobenzene												
2,4,5-trichlorophenol									*25 U*	*25 U*		
2,4,6-trichlorophenol									*10 U*	*10 U*		
Metals (µg/L)												
aluminum												
antimony												
arsenic												
barium												
beryllium												
cadmium												
calcium												
calcium												
chromium												
cobalt												
copper												
iron												
lead				*3 U*	*3 U*	*3 U*	*3 U*	*3 U*				
magnesium												
magnesium												
manganese												
mercury												
molybdenum												
nickel												
potassium												
potassium												
selenium												
silver												
sodium												
sodium												
thallium												
vanadium												
zinc												

Table A-1
Groundwater Samples*

EBS Parcel	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*
Station ID	*584-14-ERM*	*584-15-ERM*	*584-1-MOJ*	*584-2-ERM*	*584-2-MOJ*	*584-3-ERM*	*584-3-MOJ*	*584-4-ERM*	*584-5-ERM*	*584-5-MOJ*	*584-6-ERM*	*584-6-MOJ*
Sample ID	*584-W14*	*584-W15*	*584-1*	*584-W2*	*584-2*	*584-W3*	*584-3*	*584-W4*	*584-W5*	*584-5*	*584-W6*	*584-6*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	–	–	–	–	–	–	–	–	–	–	–	–
Sample Date	*22-Aug-95*	*22-Aug-95*	*29-Aug-97*	*12-Jan-95*	*29-Aug-97*	*12-Jan-95*	*29-Aug-97*	*12-Jan-95*	*12-Jan-95*	*29-Aug-97*	*12-Jan-95*	*29-Aug-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Volatile Organic Compounds (µg/L)												
acetone												
benzene			*10 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*
bromobenzene												
bromochloromethane												
bromodichloromethane												
bromoform												
bromomethane												
2-butanone												
tert-butyl alcohol												
n-butylbenzene												
sec-butylbenzene												
tert-butylbenzene												
carbon disulfide												
carbon tetrachloride												
chlorobenzene												
chlorodibromomethane												
chloroethane												
chloroform												
chloromethane												
2-chlorotoluene												
4-chlorotoluene												
1,2-dibromo-3-chloropropane												
1,2-dibromoethane												
dibromomethane												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
trans-1,4-dichloro-2-butene												
dichlorodifluoromethane												
1,1-dichloroethane												
1,2-dichloroethane												
1,1-dichloroethene												
cis-1,2-dichloroethene												
trans-1,2-dichloroethene												
1,2-dichloroethene												
1,2-dichloropropane												
1,3-dichloropropane												
sec-dichloropropane												
1,1-dichloropropene												
cis-1,3-dichloropropene												
trans-1,3-dichloropropene												
diisopropyl ether												
2-ethoxy-2-methyl propane												
ethylbenzene			*10 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*

Table A-1
Groundwater Samples*

EBS Parcel	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*
Station ID	*584-14-ERM*	*584-15-ERM*	*584-1-MOJ*	*584-2-ERM*	*584-2-MOJ*	*584-3-ERM*	*584-3-MOJ*	*584-4-ERM*	*584-5-ERM*	*584-5-MOJ*	*584-6-ERM*	*584-6-MOJ*
Sample ID	*584-W14*	*584-W15*	*584-1*	*584-W2*	*584-2*	*584-W3*	*584-3*	*584-W4*	*584-W5*	*584-5*	*584-W6*	*584-6*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	–	–	–	–	–	–	–	–	–	–	–	–
Sample Date	*22-Aug-95*	*22-Aug-95*	*29-Aug-97*	*12-Jan-95*	*29-Aug-97*	*12-Jan-95*	*29-Aug-97*	*12-Jan-95*	*12-Jan-95*	*29-Aug-97*	*12-Jan-95*	*29-Aug-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Volatile Organic Compounds (µg/L) (continued)												
hexachlorobutadiene												
2-hexanone												
isopropylbenzene												
p-isopropyltoluene												
2-methoxy-2-methyl-butane (tert-amyl methyl ether)												
methyl tert-butyl ether			*10 U*		*5 U*		*5 U*			*5 U*		*5 U*
methylene chloride												
2-methylnaphthalene												
4-methyl-2-pentanone												
naphthalene												
n-propylbenzene												
styrene												
1,1,1,2-tetrachloroethane												
1,1,2,2-tetrachloroethane												
tetrachloroethene												
toluene			*10 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*
1,2,3-trichlorobenzene												
1,2,4-trichlorobenzene												
1,1,1-trichloroethane												
1,1,2-trichloroethane												
trichloroethene												
trichlorofluoromethane												
1,2,3-trichloropropane												
1,2,4-trimethylbenzene												
1,3,5-trimethylbenzene												
vinyl chloride												
m-, p-xylene												
o-xylene												
xylenes, total			*10 U*	*1.5 U*	*0.5 U*	*1.5 U*	*0.5 U*	*1.5 U*	*1.5 U*	*0.5 U*	*1.5 U*	*1 U*
Petroleum Hydrocarbons (µg/L)												
diesel	*3,900*	*1,600*	*93,000*	*500 U*	*50 U*	*500 U*	*50 U*	*500 U*	*500 U*	*50 U*	*500 U*	*340*
gasoline			*24,000*	*500 U*	*50 U*	*500 U*	*50 U*	*500 U*	*500 U*	*50 U*	*500 U*	*50 U*
jet fuel #5 (JP5)			*2,500 U*		*50 U*		*50 U*			*50 U*		
JP-5												
motor oil			*12,500 U*		*2,100*		*250 U*			*250 U*		
Semivolatile Organic Compounds (µg/L)												
acenaphthene												
acenaphthylene												
anthracene												
benz(a)anthracene												
benzo(b)fluoranthene												
benzo(k)fluoranthene												
benzo(g,h,i)perylene												
benzo(a)pyrene												

Table A-1
Groundwater Samples*

EBS Parcel	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*
Station ID	*584-14-ERM*	*584-15-ERM*	*584-1-MOJ*	*584-2-ERM*	*584-2-MOJ*	*584-3-ERM*	*584-3-MOJ*	*584-4-ERM*	*584-5-ERM*	*584-5-MOJ*	*584-6-ERM*	*584-6-MOJ*
Sample ID	*584-W14*	*584-W15*	*584-1*	*584-W2*	*584-2*	*584-W3*	*584-3*	*584-W4*	*584-W5*	*584-5*	*584-W6*	*584-6*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	–	–	–	–	–	–	–	–	–	–	–	–
Sample Date	*22-Aug-95*	*22-Aug-95*	*29-Aug-97*	*12-Jan-95*	*29-Aug-97*	*12-Jan-95*	*29-Aug-97*	*12-Jan-95*	*12-Jan-95*	*29-Aug-97*	*12-Jan-95*	*29-Aug-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/L) (continued)												
bis(2-chloroethoxy)methane												
bis(2-chloroethyl)ether												
bis(2-chloro-1-methylethyl)ether												
bis(2-ethylhexyl)phthalate												
4-bromophenyl phenyl ether												
butyl benzyl phthalate												
carbazole												
4-chloroaniline												
4-chloro-3-methylphenol												
2-chloronaphthalene												
2-chlorophenol												
4-chlorophenyl phenyl ether												
chrysene												
dibenz(a,h)anthracene												
di-n-butyl phthalate												
dibenzofuran												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
3,3'-dichlorobenzidine												
2,4-dichlorophenol												
diethyl phthalate												
2,4-dimethylphenol												
dimethyl phthalate												
4,6-dinitro-2-methylphenol												
2,4-dinitrophenol												
2,4-dinitrotoluene												
2,6-dinitrotoluene												
di-n-octyl phthalate												
fluoranthene												
fluorene												
hexachlorobenzene												
hexachlorobutadiene												
hexachlorocyclopentadiene												
hexachloroethane												
indeno(1,2,3-cd)pyrene												
isophorone												
2-methylnaphthalene												
2-methylphenol												
4-methylphenol												
naphthalene												
2-nitroaniline												
3-nitroaniline												
4-nitroaniline												

Table A-1
Groundwater Samples*

EBS Parcel	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*
Station ID	*584-14-ERM*	*584-15-ERM*	*584-1-MOJ*	*584-2-ERM*	*584-2-MOJ*	*584-3-ERM*	*584-3-MOJ*	*584-4-ERM*	*584-5-ERM*	*584-5-MOJ*	*584-6-ERM*	*584-6-MOJ*
Sample ID	*584-W14*	*584-W15*	*584-1*	*584-W2*	*584-2*	*584-W3*	*584-3*	*584-W4*	*584-W5*	*584-5*	*584-W6*	*584-6*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	–	–	–	–	–	–	–	–	–	–	–	–
Sample Date	*22-Aug-95*	*22-Aug-95*	*29-Aug-97*	*12-Jan-95*	*29-Aug-97*	*12-Jan-95*	*29-Aug-97*	*12-Jan-95*	*12-Jan-95*	*29-Aug-97*	*12-Jan-95*	*29-Aug-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/L) (continued)													
nitrobenzene													
4-nitrophenol													
2-nitrophenol													
N-nitrosodiphenylamine													
N-nitroso-di-n-propylamine													
pentachlorophenol													
phenanthrene													
phenol													
pyrene													
1,2,4-trichlorobenzene													
2,4,5-trichlorophenol													
2,4,6-trichlorophenol													
Metals (µg/L)													
aluminum													
antimony													
arsenic													
barium													
beryllium													
cadmium													
calcium													
calcium													
chromium													
cobalt													
copper													
iron													
lead													
magnesium													
magnesium													
manganese													
mercury													
molybdenum													
nickel													
potassium													
potassium													
selenium													
silver													
sodium													
sodium													
thallium													
vanadium													
zinc													

Table A-1
Groundwater Samples*

EBS Parcel	150	150	150	150	150	150	150	150	150	150	150	150
Station ID	584-7-ERM	584-7-MOJ	584-8-ERM	584MW-1	584-MW1	584MW-2	584-MW2	584MW-3	584MW-3	584-MW3	CA09-01	CA09-02
Sample ID	584-W7	584-7	584-W8	385-CAA9A-008	584-MW1	385-CAA9A-009	584-MW2	385-CAA9A-010	385-CAA9A-901	584-MW3	030-CAP-090	030-CAP-091
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG	REG
Depth Interval (feet bgs)	–	–	–	–	1.6–11.6	–	2.7–12.7	–	–	3.1–13.1	0–8	0–10
Sample Date	12-Jan-95	29-Aug-97	12-Jan-95	27-Sep-01	02-Apr-99	27-Sep-01	02-Apr-99	27-Sep-01	27-Sep-01	02-Apr-99	25-Apr-00	25-Apr-00
Reference	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004
Volatile Organic Compounds (µg/L)												
acetone												
benzene	0.5 U	0.5 U	0.6	0.5 U		0.5 U		0.5 U	0.5 U		0.5 J	0.5 U
bromobenzene												
bromochloromethane												
bromodichloromethane											1 U	1 U
bromoform											1 U	1 U
bromomethane											5 U	5 U
2-butanone												
tert-butyl alcohol												
n-butylbenzene												
sec-butylbenzene												
tert-butylbenzene												
carbon disulfide												
carbon tetrachloride											1 U	1 U
chlorobenzene											1 U	1 U
chlorodibromomethane											1 U	1 U
chloroethane											5 U	5 U
chloroform											1 U	1 U
chloromethane											5 U	5 U
2-chlorotoluene												
4-chlorotoluene												
1,2-dibromo-3-chloropropane												
1,2-dibromoethane												
dibromomethane												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
trans-1,4-dichloro-2-butene												
dichlorodifluoromethane												
1,1-dichloroethane											1 U	1 U
1,2-dichloroethane											1 U	1 U
1,1-dichloroethene											1 U	1 U
cis-1,2-dichloroethene											1 U	1 U
trans-1,2-dichloroethene											1 U	1 U
1,2-dichloroethene												
1,2-dichloropropane											1 U	1 U
1,3-dichloropropane												
sec-dichloropropane												
1,1-dichloropropene												
cis-1,3-dichloropropene											1 U	1 U
trans-1,3-dichloropropene											1 U	1 U
diisopropyl ether												
2-ethoxy-2-methyl propane												
ethylbenzene	0.5 U	0.5 U	0.5 U	5 U		5 U		5 U	5 U		1 U	1 U

Table A-1
Groundwater Samples*

EBS Parcel	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*
Station ID	*584-7-ERM*	*584-7-MOJ*	*584-8-ERM*	*584MW-1*	*584-MW1*	*584MW-2*	*584-MW2*	*584MW-3*	*584MW-3*	*584-MW3*	*CA09-01*	*CA09-02*
Sample ID	*584-W7*	*584-7*	*584-W8*	*385-CAA9A-008*	*584-MW1*	*385-CAA9A-009*	*584-MW2*	*385-CAA9A-010*	*385-CAA9A-901*	*584-MW3*	*030-CAP-090*	*030-CAP-091*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*FD*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*–*	*–*	*–*	*–*	*1.6–11.6*	*–*	*2.7–12.7*	*–*	*–*	*3.1–13.1*	*0–8*	*0–10*
Sample Date	*12-Jan-95*	*29-Aug-97*	*12-Jan-95*	*27-Sep-01*	*02-Apr-99*	*27-Sep-01*	*02-Apr-99*	*27-Sep-01*	*27-Sep-01*	*02-Apr-99*	*25-Apr-00*	*25-Apr-00*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Volatile Organic Compounds (µg/L) (continued)												
hexachlorobutadiene												
2-hexanone												
isopropylbenzene												
p-isopropyltoluene												
2-methoxy-2-methyl-butane (tert-amyl methyl ether)												
methyl tert-butyl ether		*5 U*		*5 U*		*5 U*		*5 U*	*5 U*		*2 U*	*2 U*
methylene chloride											*2 U*	*2 U*
2-methylnaphthalene												
4-methyl-2-pentanone												
naphthalene												
n-propylbenzene												
styrene											*1 U*	*1 U*
1,1,1,2-tetrachloroethane												
1,1,2,2-tetrachloroethane											*1 U*	*1 U*
tetrachloroethene											*1 U*	*1 U*
toluene	*0.5 U*	*0.5 U*	*0.5*	*5 U*		*5 U*		*5 U*	*5 U*		*1 U*	*1 U*
1,2,3-trichlorobenzene												
1,2,4-trichlorobenzene												
1,1,1-trichloroethane											*1 U*	*1 U*
1,1,2-trichloroethane											*1 U*	*1 U*
trichloroethene											*1 U*	*1 U*
trichlorofluoromethane												
1,2,3-trichloropropane												
1,2,4-trimethylbenzene											*1 U*	*1 U*
1,3,5-trimethylbenzene											*1 U*	*1 U*
vinyl chloride											*0.5 U*	*0.5 U*
m-, p-xylene				*5 U*		*5 U*		*5 U*	*5 U*		*0.5 J*	*1 U*
o-xylene				*5 U*		*5 U*		*5 U*	*5 U*		*1 U*	*1 U*
xylenes, total	*1.5 U*	*1 U*	*1.5 U*		*0.5 U*		*0.5 U*			*0.5 U*		
Petroleum Hydrocarbons (µg/L)												
diesel	*500 U*	*440*	*500 U*	*100 U*		*100 U*		*100 U*	*100 U*		*100 U*	*100 U*
gasoline	*500 U*	*50 U*	*500 U*	*50 U*		*50 U*		*50 U*	*50 U*		*59 U*	*50 U*
jet fuel #5 (JP5)					*50 U*		*50 U*			*150*		
JP-5				*100 U*		*100 U*		*100 U*	*100 U*			
motor oil				*200*		*200*		*360*	*390*		*500 U*	*500 U*
Semivolatile Organic Compounds (µg/L)												
acenaphthene												
acenaphthylene												
anthracene												
benz(a)anthracene												
benzo(b)fluoranthene												
benzo(k)fluoranthene												
benzo(g,h,i)perylene												
benzo(a)pyrene												

Table A-1
Groundwater Samples*

EBS Parcel	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*
Station ID	*584-7-ERM*	*584-7-MOJ*	*584-8-ERM*	*584MW-1*	*584-MW1*	*584MW-2*	*584-MW2*	*584MW-3*	*584MW-3*	*584-MW3*	*CA09-01*	*CA09-02*
Sample ID	*584-W7*	*584-7*	*584-W8*	*385-CAA9A-008*	*584-MW1*	*385-CAA9A-009*	*584-MW2*	*385-CAA9A-010*	*385-CAA9A-901*	*584-MW3*	*030-CAP-090*	*030-CAP-091*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*FD*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*–*	*–*	*–*	*–*	*1.6–11.6*	*–*	*2.7–12.7*	*–*	*–*	*3.1–13.1*	*0–8*	*0–10*
Sample Date	*12-Jan-95*	*29-Aug-97*	*12-Jan-95*	*27-Sep-01*	*02-Apr-99*	*27-Sep-01*	*02-Apr-99*	*27-Sep-01*	*27-Sep-01*	*02-Apr-99*	*25-Apr-00*	*25-Apr-00*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/L) (continued)												
bis(2-chloroethoxy)methane												
bis(2-chloroethyl)ether												
bis(2-chloro-1-methylethyl)ether												
bis(2-ethylhexyl)phthalate												
4-bromophenyl phenyl ether												
butyl benzyl phthalate												
carbazole												
4-chloroaniline												
4-chloro-3-methylphenol												
2-chloronaphthalene												
2-chlorophenol												
4-chlorophenyl phenyl ether												
chrysene												
dibenz(a,h)anthracene												
di-n-butyl phthalate												
dibenzofuran												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
3,3'-dichlorobenzidine												
2,4-dichlorophenol												
diethyl phthalate												
2,4-dimethylphenol												
dimethyl phthalate												
4,6-dinitro-2-methylphenol												
2,4-dinitrophenol												
2,4-dinitrotoluene												
2,6-dinitrotoluene												
di-n-octyl phthalate												
fluoranthene												
fluorene												
hexachlorobenzene												
hexachlorobutadiene												
hexachlorocyclopentadiene												
hexachloroethane												
indeno(1,2,3-cd)pyrene												
isophorone												
2-methylnaphthalene												
2-methylphenol												
4-methylphenol												
naphthalene												
2-nitroaniline												
3-nitroaniline												
4-nitroaniline												

Table A-1
Groundwater Samples*

EBS Parcel	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*
Station ID	*584-7-ERM*	*584-7-MOJ*	*584-8-ERM*	*584MW-1*	*584-MW1*	*584MW-2*	*584-MW2*	*584MW-3*	*584MW-3*	*584-MW3*	*CA09-01*	*CA09-02*
Sample ID	*584-W7*	*584-7*	*584-W8*	*385-CAA9A-008*	*584-MW1*	*385-CAA9A-009*	*584-MW2*	*385-CAA9A-010*	*385-CAA9A-901*	*584-MW3*	*030-CAP-090*	*030-CAP-091*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*FD*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*–*	*–*	*–*	*–*	*1.6–11.6*	*–*	*2.7–12.7*	*–*	*–*	*3.1–13.1*	*0–8*	*0–10*
Sample Date	*12-Jan-95*	*29-Aug-97*	*12-Jan-95*	*27-Sep-01*	*02-Apr-99*	*27-Sep-01*	*02-Apr-99*	*27-Sep-01*	*27-Sep-01*	*02-Apr-99*	*25-Apr-00*	*25-Apr-00*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/L) (continued)													
nitrobenzene													
4-nitrophenol													
2-nitrophenol													
N-nitrosodiphenylamine													
N-nitroso-di-n-propylamine													
pentachlorophenol													
phenanthrene													
phenol													
pyrene													
1,2,4-trichlorobenzene													
2,4,5-trichlorophenol													
2,4,6-trichlorophenol													
Metals (µg/L)													
aluminum													
antimony													
arsenic													
barium													
beryllium													
cadmium													
calcium													
calcium													
chromium													
cobalt													
copper													
iron													
lead				*2.4 UJ*		*1.4 U*		*12.2*	*19.5*		*3 U*	*3 U*
magnesium													
magnesium													
manganese													
mercury													
molybdenum													
nickel													
potassium													
potassium													
selenium													
silver													
sodium													
sodium													
thallium													
vanadium													
zinc													

Table A-1
Groundwater Samples*

EBS Parcel	*150*	150B	154	154	154	*155C*	*155C*	*155C*	*155C*	*155C*	*155C*	*202*
Station ID	*CA09-04*	150-Z19-019	154-006-021	154-006-022	154-006-023	*37-87-MOJ*	*CA11-21*	*CA11-22*	*CA11-23*	*CA11-24*	*CA11-25*	*584-10-ERM*
Sample ID	*030-CAP-094*	150-0029	154-0031	154-0033	154-0035	*37-P87*	*030-CAP-167*	*030-CAP-168*	*030-CAP-169*	*030-CAP-170*	*030-CAP-171*	*584-W10*
Sample Type	*REG*	REG	REG	REG	REG	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*6–8*	8–9	9–10	9–10	9–10	*–*	*3–8*	*3–8*	*3–8*	*3–8*	*3–8*	*–*
Sample Date	*24-Apr-00*	31-Oct-95	30-Oct-95	30-Oct-95	30-Oct-95	*03-Oct-97*	*28-Apr-00*	*28-Apr-00*	*28-Apr-00*	*28-Apr-00*	*28-Apr-00*	*12-Jan-95*
Reference	*TtEMI 2004*	IT 2001	IT 2001	IT 2001	IT 2001	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Volatile Organic Compounds (µg/L)												
acetone			2 UJ	2 UJ	2 UJ							
benzene	*0.5 U*		0.5 UJ	0.5 UJ	0.5 UJ	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*26.8*
bromobenzene												
bromochloromethane												
bromodichloromethane	*1 U*		1 UJ	1 UJ	1 UJ		*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	
bromoform	*1 U*		1 UJ	1 UJ	1 UJ		*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	
bromomethane	*5 U*		1 UJ	1 UJ	1 UJ		*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	
2-butanone			2 UJ	2 UJ	2 UJ							
tert-butyl alcohol												
n-butylbenzene												
sec-butylbenzene												
tert-butylbenzene												
carbon disulfide			1 UJ	1 UJ	1 UJ							
carbon tetrachloride	*1 U*		0.5 UJ	0.5 UJ	0.5 UJ		*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	
chlorobenzene	*1 U*		1 UJ	1 UJ	1 UJ		*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	
chlorodibromomethane	*1 U*		1 UJ	1 UJ	1 UJ		*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	
chloroethane	*5 U*		2 UJ	2 UJ	2 UJ		*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	
chloroform	*1 U*		1 UJ	1 UJ	1 UJ		*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	
chloromethane	*5 U*		2 UJ	2	2 UJ		*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	
2-chlorotoluene												
4-chlorotoluene												
1,2-dibromo-3-chloropropane												
1,2-dibromoethane												
dibromomethane												
1,2-dichlorobenzene												
1,3-dichlorobenzene		10 U										
1,4-dichlorobenzene		10 U										
trans-1,4-dichloro-2-butene										*1 U*		
dichlorodifluoromethane												
1,1-dichloroethane	*1 U*		1 UJ	1 UJ	1 UJ		*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	
1,2-dichloroethane	*1 U*		0.5 UJ	0.5 UJ	0.5 UJ		*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	
1,1-dichloroethene	*1 U*		1 UJ	1 UJ	1 UJ		*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	
cis-1,2-dichloroethene	*1 U*						*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	
trans-1,2-dichloroethene	*1 U*						*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	
1,2-dichloroethene			1 UJ	1 UJ	1 UJ							
1,2-dichloropropane	*1 U*		1 UJ	1 UJ	1 UJ		*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	
1,3-dichloropropane												
sec-dichloropropane												
1,1-dichloropropene												
cis-1,3-dichloropropene	*1 U*		0.5 UJ	0.5 UJ	0.5 UJ		*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	
trans-1,3-dichloropropene	*1 U*		0.5 UJ	0.5 UJ	0.5 UJ		*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	
diisopropyl ether												
2-ethoxy-2-methyl propane												
ethylbenzene	*1 U*		1 UJ	1 UJ	1 UJ	*38*	*1 U*	*1 U*	*1 U*		*1 U*	*0.5 U*

Table A-1
Groundwater Samples*

EBS Parcel	*150*	**150B**	**154**	**154**	**154**	*155C*	*155C*	*155C*	*155C*	*155C*	*155C*	*202*
Station ID	*CA09-04*	**150-Z19-019**	**154-006-021**	**154-006-022**	**154-006-023**	*37-87-MOJ*	*CA11-21*	*CA11-22*	*CA11-23*	*CA11-24*	*CA11-25*	*584-10-ERM*
Sample ID	*030-CAP-094*	**150-0029**	**154-0031**	**154-0033**	**154-0035**	*37-P87*	*030-CAP-167*	*030-CAP-168*	*030-CAP-169*	*030-CAP-170*	*030-CAP-171*	*584-W10*
Sample Type	*REG*	**REG**	**REG**	**REG**	**REG**	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*6–8*	**8–9**	**9–10**	**9–10**	**9–10**	*–*	*3–8*	*3–8*	*3–8*	*3–8*	*3–8*	*–*
Sample Date	*24-Apr-00*	**31-Oct-95**	**30-Oct-95**	**30-Oct-95**	**30-Oct-95**	*03-Oct-97*	*28-Apr-00*	*28-Apr-00*	*28-Apr-00*	*28-Apr-00*	*28-Apr-00*	*12-Jan-95*
Reference	*TtEMI 2004*	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Volatile Organic Compounds (µg/L) (continued)												
hexachlorobutadiene												
2-hexanone			2 UJ	2 UJ	2 UJ							
isopropylbenzene												
p-isopropyltoluene												
2-methoxy-2-methyl-butane (tert-amyl methyl ether)												
methyl tert-butyl ether	*2 U*					*5 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	
methylene chloride	*5 U*		1 UJ	1 UJ	1 UJ		*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	
2-methylnaphthalene		10 U										
4-methyl-2-pentanone			2 UJ	2 UJ	2 UJ							
naphthalene		10 U										
n-propylbenzene												
styrene	*1 U*		1 UJ	1 UJ	1 UJ		*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	
1,1,1,2-tetrachloroethane												
1,1,2,2-tetrachloroethane	*1 U*		1 UJ	1 UJ	1 UJ		*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	
tetrachloroethene	*1 U*		1 UJ	1 UJ	1 UJ		*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	
toluene	*1 U*		1 UJ	1 UJ	1 UJ	*0.5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*10.4*
1,2,3-trichlorobenzene												
1,2,4-trichlorobenzene		10 U										
1,1,1-trichloroethane	*1 U*		12 J	1 UJ	1 UJ		*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	
1,1,2-trichloroethane	*1 U*		1 UJ	1 UJ	1 UJ		*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	
trichloroethene	*1 U*		1 UJ	1 UJ	1 UJ		*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	
trichlorofluoromethane												
1,2,3-trichloropropane												
1,2,4-trimethylbenzene	*1 U*						*1 U*	*1 U*	*1 U*	*1 U*	*3.3*	
1,3,5-trimethylbenzene	*1 U*						*1 U*	*1 U*	*1 U*	*1 U*	*1.6*	
vinyl chloride	*0.5 U*		0.5 UJ	0.5 UJ	0.5 UJ		*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	
m-, p-xylene												
o-xylene												
xylenes, total	*1 U*		1 UJ	1 UJ	1 UJ	*9.3*	*1 U*	*1 U*	*1 U*	*1 U*	*2.3*	*30.9*
Petroleum Hydrocarbons (µg/L)												
diesel	*100 U*	510 J	100 U	100 U	100 U	*820*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*	*1,214*
gasoline	*50 U*	50 UJ	50 UJ	50 UJ	50 UJ	*6,400*	*4,600*	*36,000*	*5,000 J*	*32,000 J*	*50 U*	*500 U*
jet fuel #5 (JP5)						*3,800*						
JP-5	*100 U*						*100 U*	*100 U*	*100 U*	*100 U*	*100 U*	
motor oil	*500 U*	200 U	200 U	200 U	200 U		*500 U*	*500 U*	*500 U*	*500 U*	*500 U*	
Semivolatile Organic Compounds (µg/L)												
acenaphthene		10 U										
acenaphthylene		10 U										
anthracene		10 U										
benz(a)anthracene		10 U										
benzo(b)fluoranthene		10 U										
benzo(k)fluoranthene		10 U										
benzo(g,h,i)perylene		10 U										
benzo(a)pyrene		10 U										

Table A-1
Groundwater Samples*

EBS Parcel	*150*	**150B**	**154**	**154**	**154**	*155C*	*155C*	*155C*	*155C*	*155C*	*155C*	*202*
Station ID	*CA09-04*	**150-Z19-019**	**154-006-021**	**154-006-022**	**154-006-023**	*37-87-MOJ*	*CA11-21*	*CA11-22*	*CA11-23*	*CA11-24*	*CA11-25*	*584-10-ERM*
Sample ID	*030-CAP-094*	**150-0029**	**154-0031**	**154-0033**	**154-0035**	*37-P87*	*030-CAP-167*	*030-CAP-168*	*030-CAP-169*	*030-CAP-170*	*030-CAP-171*	*584-W10*
Sample Type	*REG*	**REG**	**REG**	**REG**	**REG**	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*6–8*	**8–9**	**9–10**	**9–10**	**9–10**	*–*	*3–8*	*3–8*	*3–8*	*3–8*	*3–8*	*–*
Sample Date	*24-Apr-00*	**31-Oct-95**	**30-Oct-95**	**30-Oct-95**	**30-Oct-95**	*03-Oct-97*	*28-Apr-00*	*28-Apr-00*	*28-Apr-00*	*28-Apr-00*	*28-Apr-00*	*12-Jan-95*
Reference	*TtEMI 2004*	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/L) (continued)												
bis(2-chloroethoxy)methane		10 U										
bis(2-chloroethyl)ether		10 U										
bis(2-chloro-1-methylethyl)ether		10 U										
bis(2-ethylhexyl)phthalate		10 U										
4-bromophenyl phenyl ether		10 U										
butyl benzyl phthalate		10 U										
carbazole		10 U										
4-chloroaniline		10 U										
4-chloro-3-methylphenol		10 U										
2-chloronaphthalene		10 U										
2-chlorophenol		10 U										
4-chlorophenyl phenyl ether		10 U										
chrysene		10 U										
dibenz(a,h)anthracene		10 U										
di-n-butyl phthalate		10 U										
dibenzofuran		10 U										
1,2-dichlorobenzene		10 U										
1,3-dichlorobenzene												
1,4-dichlorobenzene												
3,3'-dichlorobenzidine		10 U										
2,4-dichlorophenol		10 U										
diethyl phthalate		10 U										
2,4-dimethylphenol		10 U										
dimethyl phthalate		10 U										
4,6-dinitro-2-methylphenol		25 U										
2,4-dinitrophenol		25 U										
2,4-dinitrotoluene		10 U										
2,6-dinitrotoluene		10 U										
di-n-octyl phthalate		10 U										
fluoranthene		10 U										
fluorene		10 U										
hexachlorobenzene		10 U										
hexachlorobutadiene		10 U										
hexachlorocyclopentadiene		10 U										
hexachloroethane		10 U										
indeno(1,2,3-cd)pyrene		10 U										
isophorone		10 U										
2-methylnaphthalene												
2-methylphenol		10 U										
4-methylphenol		10 U										
naphthalene												
2-nitroaniline		25 U										
3-nitroaniline		25 U										
4-nitroaniline		25 U										

Table A-1
Groundwater Samples*

EBS Parcel	*150*	**150B**	**154**	**154**	**154**	*155C*	*155C*	*155C*	*155C*	*155C*	*155C*	*202*
Station ID	*CA09-04*	**150-Z19-019**	**154-006-021**	**154-006-022**	**154-006-023**	*37-87-MOJ*	*CA11-21*	*CA11-22*	*CA11-23*	*CA11-24*	*CA11-25*	*584-10-ERM*
Sample ID	*030-CAP-094*	**150-0029**	**154-0031**	**154-0033**	**154-0035**	*37-P87*	*030-CAP-167*	*030-CAP-168*	*030-CAP-169*	*030-CAP-170*	*030-CAP-171*	*584-W10*
Sample Type	*REG*	**REG**	**REG**	**REG**	**REG**	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*6–8*	**8–9**	**9–10**	**9–10**	**9–10**	*–*	*3–8*	*3–8*	*3–8*	*3–8*	*3–8*	*–*
Sample Date	*24-Apr-00*	**31-Oct-95**	**30-Oct-95**	**30-Oct-95**	**30-Oct-95**	*03-Oct-97*	*28-Apr-00*	*28-Apr-00*	*28-Apr-00*	*28-Apr-00*	*28-Apr-00*	*12-Jan-95*
Reference	*TtEMI 2004*	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/L) (continued)												
nitrobenzene		10 U										
4-nitrophenol		25 U										
2-nitrophenol		10 U										
N-nitrosodiphenylamine		10 U										
N-nitroso-di-n-propylamine		10 U										
pentachlorophenol		25 U										
phenanthrene		10 U										
phenol		10 U										
pyrene		10 U										
1,2,4-trichlorobenzene												
2,4,5-trichlorophenol		25 U										
2,4,6-trichlorophenol		10 U										
Metals (µg/L)												
aluminum												
antimony												
arsenic												
barium												
beryllium												
cadmium												
calcium												
calcium												
chromium												
cobalt												
copper												
iron												
lead	*3 U*						*18*	*9.8*	*3 U*	*12*	*3 U*	
magnesium												
magnesium												
manganese												
mercury												
molybdenum												
nickel												
potassium												
potassium												
selenium												
silver												
sodium												
sodium												
thallium												
vanadium												
zinc												

Table A-1
Groundwater Samples*

EBS Parcel	***202***	***202***	***202***	***202***
Station ID	***584-11-ERM***	***584-1-ERM***	***584-4-MOJ***	***584-9-ERM***
Sample ID	***584-W11***	***584-W1***	***584-4***	***584-W9***
Sample Type	***REG***	***REG***	***REG***	***REG***
Depth Interval (feet bgs)	**–**	**–**	**–**	**–**
Sample Date	***12-Jan-95***	***12-Jan-95***	***29-Aug-97***	***12-Jan-95***
Reference	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***
Volatile Organic Compounds (µg/L)				
acetone				
benzene	*1.35*	*0.5 U*	*0.5 U*	*0.5 U*
bromobenzene				
bromochloromethane				
bromodichloromethane				
bromoform				
bromomethane				
2-butanone				
tert-butyl alcohol				
n-butylbenzene				
sec-butylbenzene				
tert-butylbenzene				
carbon disulfide				
carbon tetrachloride				
chlorobenzene				
chlorodibromomethane				
chloroethane				
chloroform				
chloromethane				
2-chlorotoluene				
4-chlorotoluene				
1,2-dibromo-3-chloropropane				
1,2-dibromoethane				
dibromomethane				
1,2-dichlorobenzene				
1,3-dichlorobenzene				
1,4-dichlorobenzene				
trans-1,4-dichloro-2-butene				
dichlorodifluoromethane				
1,1-dichloroethane				
1,2-dichloroethane				
1,1-dichloroethene				
cis-1,2-dichloroethene				
trans-1,2-dichloroethene				
1,2-dichloroethene				
1,2-dichloropropane				
1,3-dichloropropane				
sec-dichloropropane				
1,1-dichloropropene				
cis-1,3-dichloropropene				
trans-1,3-dichloropropene				
diisopropyl ether				
2-ethoxy-2-methyl propane				
ethylbenzene	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*

Table A-1
Groundwater Samples*

EBS Parcel	*202*	*202*	*202*	*202*
Station ID	*584-11-ERM*	*584-1-ERM*	*584-4-MOJ*	*584-9-ERM*
Sample ID	*584-W11*	*584-W1*	*584-4*	*584-W9*
Sample Type	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*–*	*–*	*–*	*–*
Sample Date	*12-Jan-95*	*12-Jan-95*	*29-Aug-97*	*12-Jan-95*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Volatile Organic Compounds (µg/L) (continued)				
hexachlorobutadiene				
2-hexanone				
isopropylbenzene				
p-isopropyltoluene				
2-methoxy-2-methyl-butane (tert-amyl methyl ether)				
methyl tert-butyl ether			*5 U*	
methylene chloride				
2-methylnaphthalene				
4-methyl-2-pentanone				
naphthalene				
n-propylbenzene				
styrene				
1,1,1,2-tetrachloroethane				
1,1,2,2-tetrachloroethane				
tetrachloroethene				
toluene	*2.17*	*0.5 U*	*0.5 U*	*0.5 U*
1,2,3-trichlorobenzene				
1,2,4-trichlorobenzene				
1,1,1-trichloroethane				
1,1,2-trichloroethane				
trichloroethene				
trichlorofluoromethane				
1,2,3-trichloropropane				
1,2,4-trimethylbenzene				
1,3,5-trimethylbenzene				
vinyl chloride				
m-, p-xylene				
o-xylene				
xylenes, total	*1.58*	*1.5 U*	*0.5 U*	*1.5 U*
Petroleum Hydrocarbons (µg/L)				
diesel	*192,000*	*500 U*	*50 U*	*500 U*
gasoline	*500 U*	*500 U*	*50 U*	*500 U*
jet fuel #5 (JP5)			*50 U*	
JP-5				
motor oil			*1,400*	
Semivolatile Organic Compounds (µg/L)				
acenaphthene				
acenaphthylene				
anthracene				
benz(a)anthracene				
benzo(b)fluoranthene				
benzo(k)fluoranthene				
benzo(g,h,i)perylene				
benzo(a)pyrene				

Table A-1
Groundwater Samples*

EBS Parcel	*202*	*202*	*202*	*202*
Station ID	*584-11-ERM*	*584-1-ERM*	*584-4-MOJ*	*584-9-ERM*
Sample ID	*584-W11*	*584-W1*	*584-4*	*584-W9*
Sample Type	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*–*	*–*	*–*	*–*
Sample Date	*12-Jan-95*	*12-Jan-95*	*29-Aug-97*	*12-Jan-95*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/L) (continued)				
bis(2-chloroethoxy)methane				
bis(2-chloroethyl)ether				
bis(2-chloro-1-methylethyl)ether				
bis(2-ethylhexyl)phthalate				
4-bromophenyl phenyl ether				
butyl benzyl phthalate				
carbazole				
4-chloroaniline				
4-chloro-3-methylphenol				
2-chloronaphthalene				
2-chlorophenol				
4-chlorophenyl phenyl ether				
chrysene				
dibenz(a,h)anthracene				
di-n-butyl phthalate				
dibenzofuran				
1,2-dichlorobenzene				
1,3-dichlorobenzene				
1,4-dichlorobenzene				
3,3'-dichlorobenzidine				
2,4-dichlorophenol				
diethyl phthalate				
2,4-dimethylphenol				
dimethyl phthalate				
4,6-dinitro-2-methylphenol				
2,4-dinitrophenol				
2,4-dinitrotoluene				
2,6-dinitrotoluene				
di-n-octyl phthalate				
fluoranthene				
fluorene				
hexachlorobenzene				
hexachlorobutadiene				
hexachlorocyclopentadiene				
hexachloroethane				
indeno(1,2,3-cd)pyrene				
isophorone				
2-methylnaphthalene				
2-methylphenol				
4-methylphenol				
naphthalene				
2-nitroaniline				
3-nitroaniline				
4-nitroaniline				

Table A-1
Groundwater Samples*

EBS Parcel	*202*	*202*	*202*	*202*
Station ID	*584-11-ERM*	*584-1-ERM*	*584-4-MOJ*	*584-9-ERM*
Sample ID	*584-W11*	*584-W1*	*584-4*	*584-W9*
Sample Type	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*–*	*–*	*–*	*–*
Sample Date	*12-Jan-95*	*12-Jan-95*	*29-Aug-97*	*12-Jan-95*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/L) (continued)				
nitrobenzene				
4-nitrophenol				
2-nitrophenol				
N-nitrosodiphenylamine				
N-nitroso-di-n-propylamine				
pentachlorophenol				
phenanthrene				
phenol				
pyrene				
1,2,4-trichlorobenzene				
2,4,5-trichlorophenol				
2,4,6-trichlorophenol				
Metals (µg/L)				
aluminum				
antimony				
arsenic				
barium				
beryllium				
cadmium				
calcium				
calcium				
chromium				
cobalt				
copper				
iron				
lead				
magnesium				
magnesium				
manganese				
mercury				
molybdenum				
nickel				
potassium				
potassium				
selenium				
silver				
sodium				
sodium				
thallium				
vanadium				
zinc				

Note:
* blank cells indicate sample not analyzed for a particular compound;
italicized data indicate results not evaluated in the SI Report for Transfer Parcel EDC-12

Acronyms/Abbreviations:
bgs – below ground surface
EBS – environmental baseline survey
FD – field duplicate
ID – identification
JP-5 – jet propellant grade 5
µg/L – micrograms per liter
REG – regular

Review Qualifiers:
J – indicates an estimated value
U – indicates the compound or analyte was analyzed for, but was not detected above the stated detection limit
UJ – indicates the compound or analyte was analyzed for, but was not detected above the stated detection limit; the detection limit, in this case, is an estimated value

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	138	138	138	138	138	138	138	138	138	138	138	138	138
Station ID	030-FLI-049	030-FLI-050	030-FLI-051	030-FLI-063	030-FLI-064	030-FLI-068	030-FLI-069	030-FLI-072	030-FLI-073	030-FLI-074	030-FLI-075	030-FLI-076	030-MOD1-136
Sample ID	030-FLI-049	030-FLI-050	030-FLI-051	030-FLI-063	030-FLI-064	030-FLI-068	030-FLI-069	030-FLI-072	030-FLI-073	030-FLI-074	030-FLI-075	030-FLI-076	030-MOD1-136
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0–4.5	0–4.5	0–4.5	0–4.5	0–4.5	0–5	0–5	0–5	0–5	0–5	0–6.5	0–6.5	0–6.5
Sample Date	21-Sep-98	21-Sep-98	21-Sep-98	25-Sep-98	25-Sep-98	25-Sep-98	25-Sep-98	28-Sep-98	29-Sep-98	05-Oct-98	20-Oct-98	20-Oct-98	24-Nov-98
Reference	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004
Volatile Organic Compounds (µg/kg)													
acetone													12 UJ
benzene	0.5 U	0.5 U	0.5 U	0.6 U	0.6 U	0.6 U	0.6 U	580 U	0.6 U	0.6 U	6.2 U	6 U	12 U
bromobenzene													
bromochloromethane													
bromodichloromethane													12 U
bromoform													12 U
bromomethane													12 U
2-butanone													12 U
n-butylbenzene													
sec-butylbenzene													
tert-butylbenzene													
carbon disulfide													12 U
carbon tetrachloride													12 U
chlorobenzene													2 J
chlorodibromomethane													12 U
chloroethane													12 U
chloroform													12 U
chloromethane													12 U
2-chlorotoluene													
4-chlorotoluene													
1,2-dibromo-3-chloropropane													
1,2-dibromoethane													
dibromomethane													
1,2-dichlorobenzene													
1,3-dichlorobenzene													
1,4-dichlorobenzene													
dichlorodifluoromethane													
1,1-dichloroethane													12 U
1,2-dichloroethane													12 U
1,1-dichloroethene													12 U
cis-1,2-dichloroethene													
trans-1,2-dichloroethene													
1,2-dichloroethene													12 U
1,2-dichloropropane													12 U
1,3-dichloropropane													
sec-dichloropropane													
1,1-dichloropropene													
cis-1,3-dichloropropene													12 U
trans-1,3-dichloropropene													12 U
ethylbenzene	0.5 U	0.5 U	0.5 U	0.7 U	0.6 U	0.6 U	0.6 U	2,600	0.6 U	0.7 U	6.2 U	6 U	12 U
n-hexane													
2-hexanone													12 UJ
isopropylbenzene													
p-isopropyltoluene													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	138	138	138	138	138	138	138	138	138	138	138	138	138
Station ID	030-FLI-049	030-FLI-050	030-FLI-051	030-FLI-063	030-FLI-064	030-FLI-068	030-FLI-069	030-FLI-072	030-FLI-073	030-FLI-074	030-FLI-075	030-FLI-076	030-MOD1-136
Sample ID	030-FLI-049	030-FLI-050	030-FLI-051	030-FLI-063	030-FLI-064	030-FLI-068	030-FLI-069	030-FLI-072	030-FLI-073	030-FLI-074	030-FLI-075	030-FLI-076	030-MOD1-136
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0–4.5	0–4.5	0–4.5	0–4.5	0–4.5	0–5	0–5	0–5	0–5	0–5	0–6.5	0–6.5	0–6.5
Sample Date	21-Sep-98	21-Sep-98	21-Sep-98	25-Sep-98	25-Sep-98	25-Sep-98	25-Sep-98	28-Sep-98	29-Sep-98	05-Oct-98	20-Oct-98	20-Oct-98	24-Nov-98
Reference	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004
Volatile Organic Compounds (µg/kg) (cont.)													
methyl tert-butyl ether	26 UJ	26 UJ	27 UJ	30 U	31 U	28 U	28 U	29,000 UJ	28 U	27 U	31 U	30 U	
methylene chloride													12 UJ
4-methyl-2-pentanone													12 U
n-propylbenzene													
styrene													12 U
1,1,1,2-tetrachloroethane													
1,1,2,2-tetrachloroethane													12 U
tetrachloroethene													12 U
toluene	0.5 U	0.5 U	0.5 U	0.4 UJ	0.5 UJ	0.6 U	0.6 U	580 U	0.6 U	0.8	6.2 U	6 U	12 U
1,2,3-trichlorobenzene													
1,2,4-trichlorobenzene													
1,1,1-trichloroethane													12 U
1,1,2-trichloroethane													12 U
trichloroethene													12 U
trichlorofluoromethane													
1,2,3-trichloropropane													
1,1,2-trichloro-1,2,2-trifluoroethane													
1,2,4-trimethylbenzene													
1,3,5-trimethylbenzene													
vinyl acetate													
vinyl chloride													12 U
meta-,para-xylene													
m-, p-xylene													
o-xylene													
xylenes, total	1.1 U	1.1 U	1.1 U	1.2 U	2	1.1 U	1.1 U	2900	1.1 U	1 J	18.2 U	18 U	12 U
Petroleum Hydrocarbons (µg/kg)													
diesel	11,000 U	11,000 U	11,000 U	12,000 U	12,000 U	11,000 U	11,000 U	1,200,000 U	140,000 J	11,000 UJ	12,000 U	12,000 U	8,000 U
gasoline	530 U	530 U	540 U	600 U	610 U	550 U	550 U	3,900,000 J	300 J		2,000 J	1,200 U	7,500 UJ
jet fuel #5 (JP5)													
JP-5	11,000 U	11,000 U	11,000 U	12,000 U	12,000 U	11,000 U	11,000 U	7,200,000 J	55,000 U	110,00 U	12,000	12,000 U	8,000 U
motor oil	11,000 U	11,000 U	11,000 U	12,000 U	12,000 U	11,000 J	12,000 J	1,200,000 U	430,000 J	200,000 J	12,000 U	12,000 U	8,000 UJ
oil and grease													
Semivolatile Organic Compounds (µg/kg)													
acenaphthene													
acenaphthylene													
aniline													
anthracene													
benz(a)anthracene													
benzidine													
benzo(b)fluoranthene													
benzo(k)fluoranthene													
benzo(g,h,i)perylene													
benzo(a)pyrene													
benzyl alcohol													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*030-FLI-049*	*030-FLI-050*	*030-FLI-051*	*030-FLI-063*	*030-FLI-064*	*030-FLI-068*	*030-FLI-069*	*030-FLI-072*	*030-FLI-073*	*030-FLI-074*	*030-FLI-075*	*030-FLI-076*	*030-MOD1-136*
Sample ID	*030-FLI-049*	*030-FLI-050*	*030-FLI-051*	*030-FLI-063*	*030-FLI-064*	*030-FLI-068*	*030-FLI-069*	*030-FLI-072*	*030-FLI-073*	*030-FLI-074*	*030-FLI-075*	*030-FLI-076*	*030-MOD1-136*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*0–4.5*	*0–4.5*	*0–4.5*	*0–4.5*	*0–4.5*	*0–5*	*0–5*	*0–5*	*0–5*	*0–5*	*0–6.5*	*0–6.5*	*0–6.5*
Sample Date	*21-Sep-98*	*21-Sep-98*	*21-Sep-98*	*25-Sep-98*	*25-Sep-98*	*25-Sep-98*	*25-Sep-98*	*28-Sep-98*	*29-Sep-98*	*05-Oct-98*	*20-Oct-98*	*20-Oct-98*	*24-Nov-98*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/kg) (cont.)													
bis(2-chloroethoxy)methane													
bis(2-chloroethyl)ether													
bis(2-chloro-1-methylethyl)ether													
bis(2-ethylhexyl)phthalate													
4-bromophenyl phenyl ether													
butyl benzyl phthalate													
carbazole													
4-chloroaniline													
4-chloro-3-methylphenol													
2-chloronaphthalene													
2-chlorophenol													
4-chlorophenyl phenyl ether													
chrysene													
dibenz(a,h)anthracene													
di-n-butyl phthalate													
dibenzofuran													
1,2-dichlorobenzene													
1,3-dichlorobenzene													
1,4-dichlorobenzene													
3,3'-dichlorobenzidine													
2,4-dichlorophenol													
diethyl phthalate													
2,4-dimethylphenol													
dimethyl phthalate													
4,6-dinitro-2-methylphenol													
2,4-dinitrophenol													
2,4-dinitrotoluene													
2,6-dinitrotoluene													
di-n-octyl phthalate													
fluoranthene													
fluorene													
hexachlorobenzene													
hexachlorobutadiene													
hexachlorocyclopentadiene													
hexachloroethane													
indeno(1,2,3-cd)pyrene													
isophorone													
2-methylnaphthalene													
2-methylphenol													
4-methylphenol													
naphthalene													
2-nitroaniline													
3-nitroaniline													
4-nitroaniline													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*030-FLI-049*	*030-FLI-050*	*030-FLI-051*	*030-FLI-063*	*030-FLI-064*	*030-FLI-068*	*030-FLI-069*	*030-FLI-072*	*030-FLI-073*	*030-FLI-074*	*030-FLI-075*	*030-FLI-076*	*030-MOD1-136*
Sample ID	*030-FLI-049*	*030-FLI-050*	*030-FLI-051*	*030-FLI-063*	*030-FLI-064*	*030-FLI-068*	*030-FLI-069*	*030-FLI-072*	*030-FLI-073*	*030-FLI-074*	*030-FLI-075*	*030-FLI-076*	*030-MOD1-136*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*0–4.5*	*0–4.5*	*0–4.5*	*0–4.5*	*0–4.5*	*0–5*	*0–5*	*0–5*	*0–5*	*0–5*	*0–6.5*	*0–6.5*	*0–6.5*
Sample Date	*21-Sep-98*	*21-Sep-98*	*21-Sep-98*	*25-Sep-98*	*25-Sep-98*	*25-Sep-98*	*25-Sep-98*	*28-Sep-98*	*29-Sep-98*	*05-Oct-98*	*20-Oct-98*	*20-Oct-98*	*24-Nov-98*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/kg) (cont.)													
nitrobenzene													
4-nitrophenol													
2-nitrophenol													
N-nitrosodimethylamine													
N-nitrosodiphenylamine													
N-nitroso-di-n-propylamine													
pentachlorophenol													
phenanthrene													
phenol													
pyrene													
1,2,4-trichlorobenzene													
2,4,5-trichlorophenol													
2,4,6-trichlorophenol													
Pesticides/Polychlorinated Biphenyls (µg/kg)													
aldrin													
Aroclor 1016													
Aroclor 1221													
Aroclor 1232													
Aroclor 1242													
Aroclor 1248													
Aroclor 1254													
Aroclor 1260													
alpha-BHC													
beta-BHC													
delta-BHC													
gamma-BHC (lindane)													
alpha-chlordane													
gamma-chlordane													
4,4´-DDD													
4,4´-DDE													
4,4´-DDT													
dieldrin													
endosulfan I													
endosulfan II													
endosulfan sulfate													
endrin													
endrin aldehyde													
endrin ketone													
heptachlor													
heptachlor epoxide													
methoxychlor													
toxaphene													
Dioxins/Furans (µg/kg)													
heptachlorodibenzo-p-dioxins													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*030-FLI-049*	*030-FLI-050*	*030-FLI-051*	*030-FLI-063*	*030-FLI-064*	*030-FLI-068*	*030-FLI-069*	*030-FLI-072*	*030-FLI-073*	*030-FLI-074*	*030-FLI-075*	*030-FLI-076*	*030-MOD1-136*
Sample ID	*030-FLI-049*	*030-FLI-050*	*030-FLI-051*	*030-FLI-063*	*030-FLI-064*	*030-FLI-068*	*030-FLI-069*	*030-FLI-072*	*030-FLI-073*	*030-FLI-074*	*030-FLI-075*	*030-FLI-076*	*030-MOD1-136*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*0–4.5*	*0–4.5*	*0–4.5*	*0–4.5*	*0–4.5*	*0–5*	*0–5*	*0–5*	*0–5*	*0–5*	*0–6.5*	*0–6.5*	*0–6.5*
Sample Date	*21-Sep-98*	*21-Sep-98*	*21-Sep-98*	*25-Sep-98*	*25-Sep-98*	*25-Sep-98*	*25-Sep-98*	*28-Sep-98*	*29-Sep-98*	*05-Oct-98*	*20-Oct-98*	*20-Oct-98*	*24-Nov-98*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Dioxins/Furans (µg/kg) (cont.)													
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin													
heptachlorodibenzofurans													
1,2,3,4,6,7,8-heptachlorodibenzofuran													
1,2,3,4,7,8,9-heptachlorodibenzofuran													
hexachlorodibenzo-p-dioxins													
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin													
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin													
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin													
hexachlorodibenzofurans													
1,2,3,4,7,8-hexachlorodibenzofuran													
1,2,3,6,7,8-hexachlorodibenzofuran													
1,2,3,7,8,9-hexachlorodibenzofuran													
2,3,4,6,7,8-hexachlorodibenzofuran													
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin													
1,2,3,4,6,7,8,9-octachlorodibenzofuran													
pentachlorodibenzo-p-dioxins													
1,2,3,7,8-pentachlorodibenzo-p-dioxin													
pentachlorodibenzofurans													
1,2,3,7,8-pentachlorodibenzofuran													
2,3,4,7,8-pentachlorodibenzofuran													
tetrachlorodibenzo-p-dioxins													
2,3,7,8-tetrachlorodibenzo-p-dioxin													
tetrachlorodibenzofurans													
2,3,7,8-tetrachlorodibenzofuran													
Organotins (µg/kg)													
dibutyltin													
monobutyltin													
tetrabutyltin													
tributyltin													
Metals (mg/kg)													
aluminum													*5,320*
antimony													*0.63 UJ*
arsenic													*1.4 J*
barium													*24.1*
beryllium													*0.13 J*
cadmium													*0.03 U*
calcium													*2,240*
chromium													*25.3*
cobalt													*5.3*
copper													*7.4*
iron													*9,470*
lead													*2.3*
tetraethyllead													
magnesium													*2,860*

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*030-FLI-049*	*030-FLI-050*	*030-FLI-051*	*030-FLI-063*	*030-FLI-064*	*030-FLI-068*	*030-FLI-069*	*030-FLI-072*	*030-FLI-073*	*030-FLI-074*	*030-FLI-075*	*030-FLI-076*	*030-MOD1-136*
Sample ID	*030-FLI-049*	*030-FLI-050*	*030-FLI-051*	*030-FLI-063*	*030-FLI-064*	*030-FLI-068*	*030-FLI-069*	*030-FLI-072*	*030-FLI-073*	*030-FLI-074*	*030-FLI-075*	*030-FLI-076*	*030-MOD1-136*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*0–4.5*	*0–4.5*	*0–4.5*	*0–4.5*	*0–4.5*	*0–5*	*0–5*	*0–5*	*0–5*	*0–5*	*0–6.5*	*0–6.5*	*0–6.5*
Sample Date	*21-Sep-98*	*21-Sep-98*	*21-Sep-98*	*25-Sep-98*	*25-Sep-98*	*25-Sep-98*	*25-Sep-98*	*28-Sep-98*	*29-Sep-98*	*05-Oct-98*	*20-Oct-98*	*20-Oct-98*	*24-Nov-98*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Metals (mg/kg) (cont.)													
manganese													*100*
mercury													*0.06 U*
molybdenum													*0.2 U*
nickel													*24*
potassium													*684*
selenium													*0.24 U*
silver													*0.12 U*
sodium													*25.9 UJ*
thallium													*0.53 U*
vanadium													*23.1*
zinc													*15.9 J*

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	138	138	138	138	138	138	138	138	138	138	138	138	138
Station ID	030-MOD1-137	030-MOD1-148	030-MOD1-149	030-MOD1-159	030-MOD1-47	030-MOD1-48	030-MOD1-58	030-MOD1-59	030-MOD1-69	030-MOD1-70	030-MOD1-80	030-MOD1-81	030-S07-033
Sample ID	030-MOD1-137	030-MOD1-148	030-MOD1-149	030-MOD1-159	030-MOD1-47	030-MOD1-48	030-MOD1-58	030-MOD1-59	030-MOD1-69	030-MOD1-70	030-MOD1-80	030-MOD1-81	030-S07-033
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0–6	0–6.5	0–6	0–6.5	0–10	0–10	0–8.5	0–9	0–10.5	0–10	0–10.5	0–11.5	0–6
Sample Date	24-Nov-98	24-Nov-98	24-Nov-98	24-Nov-98	16-Nov-98	16-Nov-98	20-Nov-98	20-Nov-98	16-Nov-98	16-Nov-98	16-Nov-98	16-Nov-98	01-Oct-98
Reference	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004
Volatile Organic Compounds (µg/kg)													
acetone	24 UJ	12 UJ	53 UJ	1,200 U	12 UJ	25 UJ							53 UJ
benzene	12 U	12 U	15 U	1,200 U	12 U	12 U	1.2	1.9 U	240 U	0.6 U	0.6 UJ	1 UJ	53 U
bromobenzene													
bromochloromethane													
bromodichloromethane	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
bromoform	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
bromomethane	12 U	12 U	15 U	1,200 U	12 U	12 U							53 UJ
2-butanone	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
n-butylbenzene													
sec-butylbenzene													
tert-butylbenzene													
carbon disulfide	12 U	12 U	4 J	1,200 U	12 U	12 U							53 U
carbon tetrachloride	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
chlorobenzene	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
chlorodibromomethane	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
chloroethane	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
chloroform	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
chloromethane	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
2-chlorotoluene													
4-chlorotoluene													
1,2-dibromo-3-chloropropane													
1,2-dibromoethane													
dibromomethane													
1,2-dichlorobenzene													
1,3-dichlorobenzene													
1,4-dichlorobenzene													
dichlorodifluoromethane													
1,1-dichloroethane	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
1,2-dichloroethane	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
1,1-dichloroethene	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
cis-1,2-dichloroethene													
trans-1,2-dichloroethene													
1,2-dichloroethene	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
1,2-dichloropropane	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
1,3-dichloropropane													
sec-dichloropropane													
1,1-dichloropropene													
cis-1,3-dichloropropene	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
trans-1,3-dichloropropene	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
ethylbenzene	12 U	12 U	15 U	1,200 U	12 U	12 U	0.7 U	1.9 U	240 U	0.6 U	0.6 UJ	1 J	53 U
n-hexane													
2-hexanone	12 U	12 UJ	15 U	1,200 U	12 U	12 U							53 U
isopropylbenzene													
p-isopropyltoluene													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	138	138	138	138	138	138	138	138	138	138	138	138	138
Station ID	030-MOD1-137	030-MOD1-148	030-MOD1-149	030-MOD1-159	030-MOD1-47	030-MOD1-48	030-MOD1-58	030-MOD1-59	030-MOD1-69	030-MOD1-70	030-MOD1-80	030-MOD1-81	030-S07-033
Sample ID	030-MOD1-137	030-MOD1-148	030-MOD1-149	030-MOD1-159	030-MOD1-47	030-MOD1-48	030-MOD1-58	030-MOD1-59	030-MOD1-69	030-MOD1-70	030-MOD1-80	030-MOD1-81	030-S07-033
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0–6	0–6.5	0–6	0–6.5	0–10	0–10	0–8.5	0–9	0–10.5	0–10	0–10.5	0–11.5	0–6
Sample Date	24-Nov-98	24-Nov-98	24-Nov-98	24-Nov-98	16-Nov-98	16-Nov-98	20-Nov-98	20-Nov-98	16-Nov-98	16-Nov-98	16-Nov-98	16-Nov-98	01-Oct-98
Reference	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004
Volatile Organic Compounds (µg/kg) (cont.)													
methyl tert-butyl ether							72	1.9 U	240 U	0.6 U	0.6 UJ	1 UJ	130 U
methylene chloride	12 U	12 UJ	15 U	1,200 U	12 U	12 U							53 U
4-methyl-2-pentanone	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
n-propylbenzene													
styrene	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
1,1,1,2-tetrachloroethane													
1,1,2,2-tetrachloroethane	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
tetrachloroethene	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
toluene	12 U	12 U	15 U	1,200 U	12 U	12 U	0.7 U	1.9 U	240 U	0.6 U	0.6 UJ	1.3 J	53 U
1,2,3-trichlorobenzene													
1,2,4-trichlorobenzene													
1,1,1-trichloroethane	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
1,1,2-trichloroethane	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
trichloroethene	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
trichlorofluoromethane													
1,2,3-trichloropropane													
1,1,2-trichloro-1,2,2-trifluoroethane													
1,2,4-trimethylbenzene													
1,3,5-trimethylbenzene													
vinyl acetate													
vinyl chloride	12 U	12 U	15 U	1,200 U	12 U	12 U							53 U
meta-,para-xylene													
m-, p-xylene													
o-xylene													
xylenes, total	12 U	12 U	15 U	1,200 U	12 U	12 U	1.4 U	3.8 U	480 U	1.2 U	1.2 UJ	7.4 J	53 U
Petroleum Hydrocarbons (µg/kg)													
diesel	7,900 U	8,000 U	8,600 U	1,300,000 J	8,300 U	8,100 U	10,000 U	250,000 J	215,000 J	83,000 U	8,300 U	65,000 J	53,000 U
gasoline	600 U	8,500 J	650 U	4,900 J	500 U	580 UJ	720 UJ	6,500 J	250,000 J	1,700 J	600 U	25,000 J	53,000 J
jet fuel #5 (JP5)													
JP-5	7,900 U	8,000 U	8,600 U	80,000 U	8,300 U	8,100 U	10,000 U	34,000 U	82,000 U	83,000 U	8,300 U	8,100 U	1,670,000 J
motor oil	11,000 J	13,000 J	8,600 UJ	80,000 U	8,300 U	8,100 U	10,000 U	34,000 U	130,000 J	1,100,000 J	11,000 J	38,000 J	53,000 U
oil and grease													
Semivolatile Organic Compounds (µg/kg)													
acenaphthene													1,400 U
acenaphthylene													1,400 U
aniline													
anthracene													1,400 U
benz(a)anthracene													1,400 U
benzidine													
benzo(b)fluoranthene													1,400 U
benzo(k)fluoranthene													1,400 U
benzo(g,h,i)perylene													1,400 U
benzo(a)pyrene													1,400 U
benzyl alcohol													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*030-MOD1-137*	*030-MOD1-148*	*030-MOD1-149*	*030-MOD1-159*	*030-MOD1-47*	*030-MOD1-48*	*030-MOD1-58*	*030-MOD1-59*	*030-MOD1-69*	*030-MOD1-70*	*030-MOD1-80*	*030-MOD1-81*	*030-S07-033*
Sample ID	*030-MOD1-137*	*030-MOD1-148*	*030-MOD1-149*	*030-MOD1-159*	*030-MOD1-47*	*030-MOD1-48*	*030-MOD1-58*	*030-MOD1-59*	*030-MOD1-69*	*030-MOD1-70*	*030-MOD1-80*	*030-MOD1-81*	*030-S07-033*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*0–6*	*0–6.5*	*0–6*	*0–6.5*	*0–10*	*0–10*	*0–8.5*	*0–9*	*0–10.5*	*0–10*	*0–10.5*	*0–11.5*	*0–6*
Sample Date	*24-Nov-98*	*24-Nov-98*	*24-Nov-98*	*24-Nov-98*	*16-Nov-98*	*16-Nov-98*	*20-Nov-98*	*20-Nov-98*	*16-Nov-98*	*16-Nov-98*	*16-Nov-98*	*16-Nov-98*	*01-Oct-98*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/kg) (cont.)													
bis(2-chloroethoxy)methane													*1,400 U*
bis(2-chloroethyl)ether													*1,400 U*
bis(2-chloro-1-methylethyl)ether													*1,400 UJ*
bis(2-ethylhexyl)phthalate													*550 U*
4-bromophenyl phenyl ether													*1,400 U*
butyl benzyl phthalate													*1,400 U*
carbazole													*1,400 UJ*
4-chloroaniline													*1,400 U*
4-chloro-3-methylphenol													*1,400 U*
2-chloronaphthalene													*1,400 U*
2-chlorophenol													*1,400 U*
4-chlorophenyl phenyl ether													*1,400 U*
chrysene													*1,400 U*
dibenz(a,h)anthracene													*1,400 U*
di-n-butyl phthalate													*1,400 U*
dibenzofuran													*1,400 U*
1,2-dichlorobenzene													*680 U*
1,3-dichlorobenzene													*680 U*
1,4-dichlorobenzene													*680 U*
3,3'-dichlorobenzidine													*1,400 UJ*
2,4-dichlorophenol													*1,400 U*
diethyl phthalate													*1,400 U*
2,4-dimethylphenol													*1,400 U*
dimethyl phthalate													*1,400 U*
4,6-dinitro-2-methylphenol													*3,400 U*
2,4-dinitrophenol													
2,4-dinitrotoluene													*1,400 U*
2,6-dinitrotoluene													*1,400 U*
di-n-octyl phthalate													*1,400 UJ*
fluoranthene													*1,400 U*
fluorene													*1,400 U*
hexachlorobenzene													*1,400 U*
hexachlorobutadiene													*1,400 U*
hexachlorocyclopentadiene													*1,400 U*
hexachloroethane													*1,400 U*
indeno(1,2,3-cd)pyrene													*1,400 U*
isophorone													*1,400 U*
2-methylnaphthalene													*520 J*
2-methylphenol													*1,400 U*
4-methylphenol													*1,400 U*
naphthalene													*1,400 U*
2-nitroaniline													*3,400 U*
3-nitroaniline													*3,400 U*
4-nitroaniline													*3,400 U*

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*030-MOD1-137*	*030-MOD1-148*	*030-MOD1-149*	*030-MOD1-159*	*030-MOD1-47*	*030-MOD1-48*	*030-MOD1-58*	*030-MOD1-59*	*030-MOD1-69*	*030-MOD1-70*	*030-MOD1-80*	*030-MOD1-81*	*030-S07-033*
Sample ID	*030-MOD1-137*	*030-MOD1-148*	*030-MOD1-149*	*030-MOD1-159*	*030-MOD1-47*	*030-MOD1-48*	*030-MOD1-58*	*030-MOD1-59*	*030-MOD1-69*	*030-MOD1-70*	*030-MOD1-80*	*030-MOD1-81*	*030-S07-033*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*0–6*	*0–6.5*	*0–6*	*0–6.5*	*0–10*	*0–10*	*0–8.5*	*0–9*	*0–10.5*	*0–10*	*0–10.5*	*0–11.5*	*0–6*
Sample Date	*24-Nov-98*	*24-Nov-98*	*24-Nov-98*	*24-Nov-98*	*16-Nov-98*	*16-Nov-98*	*20-Nov-98*	*20-Nov-98*	*16-Nov-98*	*16-Nov-98*	*16-Nov-98*	*16-Nov-98*	*01-Oct-98*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/kg) (cont.)													
nitrobenzene													*1,400 U*
4-nitrophenol													*3,400 U*
2-nitrophenol													*1,400 U*
N-nitrosodimethylamine													
N-nitrosodiphenylamine													*1,400 U*
N-nitroso-di-n-propylamine													*1,400 U*
pentachlorophenol													*3,400 U*
phenanthrene													*1,400 U*
phenol													*1,400 U*
pyrene													*1,400 U*
1,2,4-trichlorobenzene													*1,400 U*
2,4,5-trichlorophenol													*3,400 U*
2,4,6-trichlorophenol													*1,400 U*
Pesticides/Polychlorinated Biphenyls (µg/kg)													
aldrin													
Aroclor 1016													
Aroclor 1221													
Aroclor 1232													
Aroclor 1242													
Aroclor 1248													
Aroclor 1254													
Aroclor 1260													
alpha-BHC													
beta-BHC													
delta-BHC													
gamma-BHC (lindane)													
alpha-chlordane													
gamma-chlordane													
4,4´-DDD													
4,4´-DDE													
4,4´-DDT													
dieldrin													
endosulfan I													
endosulfan II													
endosulfan sulfate													
endrin													
endrin aldehyde													
endrin ketone													
heptachlor													
heptachlor epoxide													
methoxychlor													
toxaphene													
Dioxins/Furans (µg/kg)													
heptachlorodibenzo-p-dioxins													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	138	138	138	138	138	138	138	138	138	138	138	138	138
Station ID	030-MOD1-137	030-MOD1-148	030-MOD1-149	030-MOD1-159	030-MOD1-47	030-MOD1-48	030-MOD1-58	030-MOD1-59	030-MOD1-69	030-MOD1-70	030-MOD1-80	030-MOD1-81	030-S07-033
Sample ID	030-MOD1-137	030-MOD1-148	030-MOD1-149	030-MOD1-159	030-MOD1-47	030-MOD1-48	030-MOD1-58	030-MOD1-59	030-MOD1-69	030-MOD1-70	030-MOD1-80	030-MOD1-81	030-S07-033
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0–6	0–6.5	0–6	0–6.5	0–10	0–10	0–8.5	0–9	0–10.5	0–10	0–10.5	0–11.5	0–6
Sample Date	24-Nov-98	24-Nov-98	24-Nov-98	24-Nov-98	16-Nov-98	16-Nov-98	20-Nov-98	20-Nov-98	16-Nov-98	16-Nov-98	16-Nov-98	16-Nov-98	01-Oct-98
Reference	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004
Dioxins/Furans (µg/kg) (cont.)													
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin													
heptachlorodibenzofurans													
1,2,3,4,6,7,8-heptachlorodibenzofuran													
1,2,3,4,7,8,9-heptachlorodibenzofuran													
hexachlorodibenzo-p-dioxins													
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin													
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin													
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin													
hexachlorodibenzofurans													
1,2,3,4,7,8-hexachlorodibenzofuran													
1,2,3,6,7,8-hexachlorodibenzofuran													
1,2,3,7,8,9-hexachlorodibenzofuran													
2,3,4,6,7,8-hexachlorodibenzofuran													
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin													
1,2,3,4,6,7,8,9-octachlorodibenzofuran													
pentachlorodibenzo-p-dioxins													
1,2,3,7,8-pentachlorodibenzo-p-dioxin													
pentachlorodibenzofurans													
1,2,3,7,8-pentachlorodibenzofuran													
2,3,4,7,8-pentachlorodibenzofuran													
tetrachlorodibenzo-p-dioxins													
2,3,7,8-tetrachlorodibenzo-p-dioxin													
tetrachlorodibenzofurans													
2,3,7,8-tetrachlorodibenzofuran													
Organotins (µg/kg)													
dibutyltin													
monobutyltin													
tetrabutyltin													
tributyltin													
Metals (mg/kg)													
aluminum	*7,920*	*4,690*	*7,530*	*4,830*	*4,860*	*4,200*							*6,460*
antimony	*0.49 UJ*	*0.61 UJ*	*0.61 UJ*	*0.67 UJ*	*0.46 UJ*	*0.48 UJ*							*0.4 U*
arsenic	*2.3 J*	*1.6 J*	*2.5 J*	*1.6 J*	*0.92 J*	*0.65 J*							*2.1 J*
barium	*43.7*	*25.3*	*43.1*	*29*	*27.6*	*22.5*							*30.7 J*
beryllium	*0.16 J*	*0.12 J*	*0.16 J*	*0.09 J*	*0.08 UJ*	*0.08 UJ*							*0.042 U*
cadmium	*0.02 U*	*0.03 U*	*0.03 U*	*0.03 U*	*0.14 U*	*0.14 U*							*0.042 U*
calcium	*3,610*	*2,610*	*4,630*	*1,960*	*2,330*	*1,810*							*4,620*
chromium	*38.1*	*26.9*	*35.6*	*27.6*	*24.9 J*	*25 J*							*17.2 J*
cobalt	*6.8*	*5 J*	*6.3*	*4.8 J*	*5*	*4.2*							*6.3 J*
copper	*12.8*	*6.7*	*10.2*	*6.7*	*6 J*	*5.5 J*							*17.3*
iron	*11,700*	*8,470*	*12,900*	*9,340*	*9,060*	*8,250*							*11,900*
lead	*6.2*	*2.6*	*4.7*	*4*	*2.5 J*	*2.2 J*	*16.5 J*	*8.3 J*	*9.8 J*	*3.4 J*	*6.6 J*	*17.1 J*	*4.8*
tetraethyllead													
magnesium	*3,860*	*2,610*	*3,840*	*2,680*	*2,730*	*2,330*							*4,070*

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	***138***	***138***	***138***	***138***	***138***	***138***	***138***	***138***	***138***	***138***	***138***	***138***	***138***
Station ID	***030-MOD1-137***	***030-MOD1-148***	***030-MOD1-149***	***030-MOD1-159***	***030-MOD1-47***	***030-MOD1-48***	***030-MOD1-58***	***030-MOD1-59***	***030-MOD1-69***	***030-MOD1-70***	***030-MOD1-80***	***030-MOD1-81***	***030-S07-033***
Sample ID	***030-MOD1-137***	***030-MOD1-148***	***030-MOD1-149***	***030-MOD1-159***	***030-MOD1-47***	***030-MOD1-48***	***030-MOD1-58***	***030-MOD1-59***	***030-MOD1-69***	***030-MOD1-70***	***030-MOD1-80***	***030-MOD1-81***	***030-S07-033***
Sample Type	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***
Depth Interval (feet bgs)	***0–6***	***0–6.5***	***0–6***	***0–6.5***	***0–10***	***0–10***	***0–8.5***	***0–9***	***0–10.5***	***0–10***	***0–10.5***	***0–11.5***	***0–6***
Sample Date	***24-Nov-98***	***24-Nov-98***	***24-Nov-98***	***24-Nov-98***	***16-Nov-98***	***16-Nov-98***	***20-Nov-98***	***20-Nov-98***	***16-Nov-98***	***16-Nov-98***	***16-Nov-98***	***16-Nov-98***	***01-Oct-98***
Reference	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***
Metals (mg/kg) (cont.)													
manganese	*169*	*103*	*155*	*156*	*102*	*90.1*							*235*
mercury	*0.07 J*	*0.06 U*	*0.62*	*0.05 U*	*0.06 U*	*0.05 U*							*0.1 U*
molybdenum	*0.15 U*	*0.19 U*	*0.19 U*	*0.21 U*	*0.14 U*	*0.15 U*							*0.21 U*
nickel	*39.2*	*25.1*	*30.4*	*26*	*23.5 J*	*22.4 J*							*23.7*
potassium	*1130*	*734*	*1040*	*902*	*706 J*	*648 J*							*300 J*
selenium	*0.19 U*	*0.23 U*	*0.23 U*	*0.25 U*	*0.17 U*	*0.18 U*							*0.34 U*
silver	*0.1 U*	*0.12 U*	*0.12 U*	*0.13 U*	*0.09 U*	*0.1 U*							*0.085 U*
sodium	*20.4 UJ*	*25.4 UJ*	*25 UJ*	*27.6 UJ*	*156 J*	*20 UJ*							*25 U*
thallium	*0.62 J*	*0.52 U*	*0.69 J*	*0.57 U*	*0.39 U*	*0.41 U*							*0.38 U*
vanadium	*27.3*	*20.3*	*28.7*	*20.6*	*19.7 J*	*16.4 J*							*15.5*
zinc	*27 J*	*17.3 J*	*24.5 J*	*17.8 J*	*16.9 J*	*15.8 J*							*27.9*

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	138	138	138	138	138	138	138	138	138	138	138	138	138	138
Station ID	030-S07-036	138-001-001	138-001-001	138-001-001	138-001-001	138-001-002	138-001-002	138-001-002	138-002-003	138-002-003	138-002-004	138-002-005	138-002-005	
Sample ID	030-S07-036	138-0001	138-0001M	138-0015	138-0015M	138-0002M	138-0016M	138-0018M	138-0003M	138-0017M	138-0004M	138-0005	138-0005M	
Sample Type	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG	REG	
Depth Interval (feet bgs)	0–5	1–2	1–2	4–5	4–5	0.5–1	4–4.5	0.5–1	0–0.5	0–0.5	0.5–1	0.5–1	0.5–1	
Sample Date	05-Oct-98	16-Jun-95	16-Jun-95	16-Jun-95	16-Jun-95	16-Jun-95	16-Jun-95	16-Jun-95	14-Jun-95	14-Jun-95	15-Jun-95	14-Jun-95	14-Jun-95	
Reference	TtEMI 2004	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	
Volatile Organic Compounds (µg/kg)														
acetone	110 UJ			12 UJ	24 U		24 U							
benzene	110 U			12 U	6 U		6 U							
bromobenzene														
bromochloromethane														
bromodichloromethane	110 U			12 U	6 U		6 U							
bromoform	110 U			12 U	6 U		6 U							
bromomethane	110 UJ			12 U	12 U		12 U							
2-butanone	110 U			12 U	12 U		12 U							
n-butylbenzene														
sec-butylbenzene														
tert-butylbenzene														
carbon disulfide	110 U			12 U	6 U		6 U							
carbon tetrachloride	110 U			12 U	6 U		6 U							
chlorobenzene	110 U			12 U	6 U		6 U							
chlorodibromomethane	110 U			12 U	6 U		6 U							
chloroethane	110 U			12 U	12 U		12 U							
chloroform	110 U			12 U	6 U		6 U							
chloromethane	110 U			12 U	12 U		12 U							
2-chlorotoluene														
4-chlorotoluene														
1,2-dibromo-3-chloropropane														
1,2-dibromoethane														
dibromomethane														
1,2-dichlorobenzene														
1,3-dichlorobenzene									350 U	350 U	360 U	340 U	3,500 U	
1,4-dichlorobenzene									350 U	350 U	360 U	340 U	3,500 U	
dichlorodifluoromethane														
1,1-dichloroethane	110 U			12 U	6 U		6 U							
1,2-dichloroethane	110 U			12 U	6 U		6 U							
1,1-dichloroethene	110 U			12 U	6 U		6 U							
cis-1,2-dichloroethene					6 U		6 U							
trans-1,2-dichloroethene					6 U		6 U							
1,2-dichloroethene	110 U			12 U										
1,2-dichloropropane	110 U			12 U	6 U		6 U							
1,3-dichloropropane														
sec-dichloropropane														
1,1-dichloropropene														
cis-1,3-dichloropropene	110 U			12 U	6 U		6 U							
trans-1,3-dichloropropene	110 U			12 U	6 U		6 U							
ethylbenzene	110 U			12 U	6 U		6 U							
n-hexane					6 U		6 U							
2-hexanone	110 U			12 U	12 U		12 U							
isopropylbenzene														
p-isopropyltoluene														

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*030-S07-036*	*138-001-001*	*138-001-001*	*138-001-001*	*138-001-001*	*138-001-002*	*138-001-002*	*138-001-002*	*138-002-003*	*138-002-003*	*138-002-004*	*138-002-005*	*138-002-005*
Sample ID	*030-S07-036*	*138-0001*	*138-0001M*	*138-0015*	*138-0015M*	*138-0002M*	*138-0016M*	*138-0018M*	*138-0003M*	*138-0017M*	*138-0004M*	*138-0005*	*138-0005M*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*FD*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*0–5*	*1–2*	*1–2*	*4–5*	*4–5*	*0.5–1*	*4–4.5*	*0.5–1*	*0–0.5*	*0–0.5*	*0.5–1*	*0.5–1*	*0.5–1*
Sample Date	*05-Oct-98*	*16-Jun-95*	*16-Jun-95*	*16-Jun-95*	*16-Jun-95*	*16-Jun-95*	*16-Jun-95*	*16-Jun-95*	*14-Jun-95*	*14-Jun-95*	*15-Jun-95*	*14-Jun-95*	*14-Jun-95*
Reference	*TtEMI 2004*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*
Volatile Organic Compounds (µg/kg) (cont.)													
methyl tert-butyl ether	*290 U*												
methylene chloride	*110 U*			*12 U*	*24 U*		*25*						
4-methyl-2-pentanone	*94 J*			*12 U*	*12 U*		*12 U*						
n-propylbenzene													
styrene	*110 U*			*12 U*	*6 U*		*6 U*						
1,1,1,2-tetrachloroethane													
1,1,2,2-tetrachloroethane	*110 U*			*12 U*	*6 U*		*6 U*						
tetrachloroethene	*110 U*			*12 U*	*6 U*		*6 U*						
toluene	*110 U*			*12 U*	*6 U*		*6 U*						
1,2,3-trichlorobenzene													
1,2,4-trichlorobenzene									*350 U*	*350 U*	*360 U*	*340 U*	*3,500 U*
1,1,1-trichloroethane	*110 U*			*12 U*	*6 U*		*6 U*						
1,1,2-trichloroethane	*110 U*			*12 U*	*6 U*		*6 U*						
trichloroethene	*110 U*			*12 U*	*6 U*		*6 U*						
trichlorofluoromethane					*6 U*		*6 U*						
1,2,3-trichloropropane													
1,1,2-trichloro-1,2,2-trifluoroethane													
1,2,4-trimethylbenzene													
1,3,5-trimethylbenzene													
vinyl acetate					*61 U*		*60 U*						
vinyl chloride	*110 U*			*12 U*	*12 U*		*12 U*						
meta-,para-xylene					*6 U*		*6 U*						
m-, p-xylene													
o-xylene					*6 U*		*6 U*						
xylenes, total	*110 U*			*12 U*									
Petroleum Hydrocarbons (µg/kg)													
diesel	*570,000 U*	*10,000 U*	*1000 U*	*12,000 U*	*1,000 U*	*2,000*	*1,000 U*	*4,000*	*230,000*	*88,000*	*960,000*	*10,000 U*	*530,000*
gasoline	*1,600,000 J*	*500 U*	*500 U*	*600 U*	*600 U*		*600 U*						
jet fuel #5 (JP5)													
JP-5	*2,200,000 J*												
motor oil	*570,000 U*	*21,000 U*	*87,000*	*24,000 U*	*30,000 U*	*45,000*	*320,000*	*180,000*	*1,200,000*	*490,000*	*2,100,000*	*380,000 J*	*97,000*
oil and grease													
Semivolatile Organic Compounds (µg/kg)													
acenaphthene	*180 J*												
acenaphthylene	*1,500 U*												
aniline									*350 U*	*350 U*	*360 U*		*3,500 U*
anthracene	*1,500 U*												
benz(a)anthracene	*1,500 U*												
benzidine									*350 U*	*350 U*	*360 U*		*3,500 U*
benzo(b)fluoranthene	*1,500 U*												
benzo(k)fluoranthene	*160 J*												
benzo(g,h,i)perylene	*1,500 UJ*												
benzo(a)pyrene	*1,500 U*												
benzyl alcohol									*350 U*	*350 U*	*360 U*		*3,500 U*

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	138	138	138	138	138	138	138	138	138	138	138	138	138
Station ID	030-S07-036	138-001-001	138-001-001	138-001-001	138-001-001	138-001-002	138-001-002	138-001-002	138-002-003	138-002-003	138-002-004	138-002-005	138-002-005
Sample ID	030-S07-036	138-0001	138-0001M	138-0015	138-0015M	138-0002M	138-0016M	138-0018M	138-0003M	138-0017M	138-0004M	138-0005	138-0005M
Sample Type	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0–5	1–2	1–2	4–5	4–5	0.5–1	4–4.5	0.5–1	0–0.5	0–0.5	0.5–1	0.5–1	0.5–1
Sample Date	05-Oct-98	16-Jun-95	16-Jun-95	16-Jun-95	16-Jun-95	16-Jun-95	16-Jun-95	16-Jun-95	14-Jun-95	14-Jun-95	15-Jun-95	14-Jun-95	14-Jun-95
Reference	TtEMI 2004	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)													
bis(2-chloroethoxy)methane	1,500 U								350 U	350 U	360 U	340 U	3,500 U
bis(2-chloroethyl)ether	1,500 U								350 U	350 U	360 U	340 U	3,500 U
bis(2-chloro-1-methylethyl)ether	1,500 UJ								350 U	350 U	360 U	340 U	3,500 U
bis(2-ethylhexyl)phthalate	590 U								350 U	350 U	1100	40 J	3,500 U
4-bromophenyl phenyl ether	1,500 U								350 U	350 U	360 U	30 J	3,500 U
butyl benzyl phthalate	1,500 U								350 U	350 U	360 U	340 U	3,500 U
carbazole	1,500 UJ											340 U	
4-chloroaniline	1,500 U								350 U	350 U	360 U	340 U	3,500 U
4-chloro-3-methylphenol	1,500 U								350 U	350 U	360 U	340 U	3,500 U
2-chloronaphthalene	1,500 U								350 U	350 U	360 U	340 U	3,500 U
2-chlorophenol	1,500 U								350 U	350 U	360 U	340 U	3,500 U
4-chlorophenyl phenyl ether	1,500 U								350 U	350 U	360 U	340 U	3,500 U
chrysene	1,500 U												
dibenz(a,h)anthracene	1,500 UJ												
di-n-butyl phthalate	1,500 U								350 U	350 U	360 U	21 J	3,500 U
dibenzofuran	1,500 U								350 U	350 U	360 U	340 U	3,500 U
1,2-dichlorobenzene	730 U								350 U	350 U	360 U	340 U	3,500 U
1,3-dichlorobenzene	730 U												
1,4-dichlorobenzene	730 U												
3,3'-dichlorobenzidine	1,500 U								1,800 U	1,700 U	1,800 U	340 U	17,000 U
2,4-dichlorophenol	1,500 U								350 U	350 U	360 U	340 U	3,500 U
diethyl phthalate	1,500 U								350 U	350 U	360 U	340 U	3,500 U
2,4-dimethylphenol	1,500 U								350 U	350 U	360 U	340 U	3,500 U
dimethyl phthalate	1,500 U								350 U	350 U	360 U	340 U	3,500 U
4,6-dinitro-2-methylphenol	3,700 U								1,800 U	1,700 U	1,800 U	820 U	17,000 U
2,4-dinitrophenol									1,800 U	1,700 U	1,800 U	820 U	17,000 U
2,4-dinitrotoluene	1,500 U								350 U	350 U	360 U	340 U	3,500 U
2,6-dinitrotoluene	1,500 U								350 U	350 U	360 U	340 U	3,500 U
di-n-octyl phthalate	1,500 UJ								350 U	350 U	360 U	340 U	3,500 U
fluoranthene	260 J												
fluorene	230 J												
hexachlorobenzene	1,500 U								350 U	350 U	360 U	340 U	3,500 U
hexachlorobutadiene	1,500 U								350 U	350 U	360 U	340 U	3,500 U
hexachlorocyclopentadiene	1,500 UJ								350 U	350 U	360 U	340 U	3,500 U
hexachloroethane	1,500 U								350 U	350 U	360 U	340 U	3,500 U
indeno(1,2,3-cd)pyrene	1,500 UJ												
isophorone	1,500 U								350 U	350 U	360 U	340 U	3,500 U
2-methylnaphthalene	1,500 U												
2-methylphenol	1,500 U								350 U	350 U	360 U	340 U	3,500 U
4-methylphenol	1,500 U								350 U	350 U	650	340 U	3,500 U
naphthalene	1,500 U												
2-nitroaniline	3,700 U								1,800 U	1,700 U	1,800 U	820 U	17,000 U
3-nitroaniline	3,700 U								1,800 U	1,700 U	1,800 U	820 U	17,000 U
4-nitroaniline	3,700 U								1,800 U	1,700 U	1,800 U	820 U	17,000 U

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	138	138	138	138	138	138	138	138	138	138	138	138	138
Station ID	030-S07-036	138-001-001	138-001-001	138-001-001	138-001-001	138-001-002	138-001-002	138-001-002	138-002-003	138-002-003	138-002-004	138-002-005	138-002-005
Sample ID	030-S07-036	138-0001	138-0001M	138-0015	138-0015M	138-0002M	138-0016M	138-0018M	138-0003M	138-0017M	138-0004M	138-0005	138-0005M
Sample Type	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0–5	1–2	1–2	4–5	4–5	0.5–1	4–4.5	0.5–1	0–0.5	0–0.5	0.5–1	0.5–1	0.5–1
Sample Date	05-Oct-98	16-Jun-95	16-Jun-95	16-Jun-95	16-Jun-95	16-Jun-95	16-Jun-95	16-Jun-95	14-Jun-95	14-Jun-95	15-Jun-95	14-Jun-95	14-Jun-95
Reference	TtEMI 2004	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)													
nitrobenzene	1,500 U								350 U	350 U	360 U	340 U	3,500 U
4-nitrophenol	3,700 U								1,800 U	1,700 U	1,800 U	820 U	17,000 U
2-nitrophenol	1,500 U								1,800 U	1,700 U	1,800 U	340 U	17,000 U
N-nitrosodimethylamine									350 U	350 U	360 U		3,500 U
N-nitrosodiphenylamine	1,500 U								350 U	350 U	360 U	340 U	3,500 U
N-nitroso-di-n-propylamine	1,500 U								350 U	350 U	360 U	340 U	3,500 U
pentachlorophenol	3,700 U								1,800 U	1,700 U	1,800 U	820 U	17,000 U
phenanthrene	1,500 U												
phenol	1,500 U								350 U	350 U	360 U	340 U	3,500 U
pyrene	230 J												
1,2,4-trichlorobenzene	1,500 U												
2,4,5-trichlorophenol	3,700 U								1,800 U	1,700 U	1,800 U	820 U	17,000 U
2,4,6-trichlorophenol	1,500 U								350 U	350 U	360 U	340 U	3,500 U
Pesticides/Polychlorinated Biphenyls (µg/kg)													
aldrin													
Aroclor 1016													
Aroclor 1221													
Aroclor 1232													
Aroclor 1242													
Aroclor 1248													
Aroclor 1254													
Aroclor 1260													
alpha-BHC													
beta-BHC													
delta-BHC													
gamma-BHC (lindane)													
alpha-chlordane													
gamma-chlordane													
4,4´-DDD													
4,4´-DDE													
4,4´-DDT													
dieldrin													
endosulfan I													
endosulfan II													
endosulfan sulfate													
endrin													
endrin aldehyde													
endrin ketone													
heptachlor													
heptachlor epoxide													
methoxychlor													
toxaphene													
Dioxins/Furans (µg/kg)													
heptachlorodibenzo-p-dioxins													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*030-S07-036*	*138-001-001*	*138-001-001*	*138-001-001*	*138-001-001*	*138-001-002*	*138-001-002*	*138-001-002*	*138-002-003*	*138-002-003*	*138-002-004*	*138-002-005*	*138-002-005*	
Sample ID	*030-S07-036*	*138-0001*	*138-0001M*	*138-0015*	*138-0015M*	*138-0002M*	*138-0016M*	*138-0018M*	*138-0003M*	*138-0017M*	*138-0004M*	*138-0005*	*138-0005M*	
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*FD*	*REG*	*REG*	*REG*	*REG*	*REG*	
Depth Interval (feet bgs)	*0–5*	*1–2*	*1–2*	*4–5*	*4–5*	*0.5–1*	*4–4.5*	*0.5–1*	*0–0.5*	*0–0.5*	*0.5–1*	*0.5–1*	*0.5–1*	
Sample Date	*05-Oct-98*	*16-Jun-95*	*16-Jun-95*	*16-Jun-95*	*16-Jun-95*	*16-Jun-95*	*16-Jun-95*	*16-Jun-95*	*14-Jun-95*	*14-Jun-95*	*15-Jun-95*	*14-Jun-95*	*14-Jun-95*	
Reference	*TtEMI 2004*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	
Dioxins/Furans (µg/kg) (cont.)														
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin														
heptachlorodibenzofurans														
1,2,3,4,6,7,8-heptachlorodibenzofuran														
1,2,3,4,7,8,9-heptachlorodibenzofuran														
hexachlorodibenzo-p-dioxins														
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin														
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin														
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin														
hexachlorodibenzofurans														
1,2,3,4,7,8-hexachlorodibenzofuran														
1,2,3,6,7,8-hexachlorodibenzofuran														
1,2,3,7,8,9-hexachlorodibenzofuran														
2,3,4,6,7,8-hexachlorodibenzofuran														
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin														
1,2,3,4,6,7,8,9-octachlorodibenzofuran														
pentachlorodibenzo-p-dioxins														
1,2,3,7,8-pentachlorodibenzo-p-dioxin														
pentachlorodibenzofurans														
1,2,3,7,8-pentachlorodibenzofuran														
2,3,4,7,8-pentachlorodibenzofuran														
tetrachlorodibenzo-p-dioxins														
2,3,7,8-tetrachlorodibenzo-p-dioxin														
tetrachlorodibenzofurans														
2,3,7,8-tetrachlorodibenzofuran														
Organotins (µg/kg)														
dibutyltin														
monobutyltin														
tetrabutyltin														
tributyltin														
Metals (mg/kg)														
aluminum	*5,730*	*3,690 J*		*4,290 J*								*3,570 J*		
antimony	*0.43 U*	*1.3 UJ*	*3.1 U*	*1.5 UJ*	*3.7 U*	*3.5 U*	*3.5 U*	*3.4 U*	*3.2 U*	*3.1 U*	*3.1 U*	*1.3 UJ*	*3.1 U*	
arsenic	*2 J*	*1.1*	*1.5*	*1.6*	*1.6*	*2.3*	*1.7*	*1.6*	*2.4*	*2.5*	*3.2*	*2.5*	*2.6*	
barium	*32.3 J*	*24*	*17.7*	*23.3*	*21*	*20.4*	*25.2*	*36.6*	*60.5*	*37.2*	*77.6*	*22.8*	*25.6*	
beryllium	*0.046 U*	*0.27*	*0.27*	*0.48*	*0.25*	*0.26*	*0.23*	*0.25*	*0.25*	*0.24*	*0.28*	*0.41*	*0.19*	
cadmium	*0.046 U*	*0.06 U*	*0.19*	*0.07 U*	*0.19*	*0.19*	*0.16*	*0.71*	*0.74*	*0.9*	*1.1*	*0.06 U*	*0.67*	
calcium	*4,540*	*1,780 J*		*2,010 J*								*2,130 J*		
chromium	*27.7 J*	*24.3 J*	*25.1*	*29 J*	*26.2*	*26.3*	*25.2*	*23.7*	*24.1*	*26.1*	*33.8*	*22.6 J*	*25.2*	
cobalt	*5.7 J*	*4.1*	*4.4*	*3.7*	*4.3*	*4.4*	*3.8*	*4.7*	*5*	*5*	*7.1*	*4.1*	*4.6*	
copper	*17.6*	*6.4*	*8*	*23.8*	*5.3*	*5.9*	*4.5*	*22.7*	*252*	*96*	*1520*	*6.5*	*10.8*	
iron	*10,500*	*6,940*		*7,750*								*6,730*		
lead	*3.3*	*1.7*	*2*	*2*	*1.8*	*2.9*	*1.8*	*22.8*	*28.5*	*58.7*	*85.5*	*4.9*	*21.6*	
tetraethyllead														
magnesium	*3,050*	*2,000*		*2,250*								*1,940*		

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*030-S07-036*	*138-001-001*	*138-001-001*	*138-001-001*	*138-001-001*	*138-001-002*	*138-001-002*	*138-001-002*	*138-002-003*	*138-002-003*	*138-002-004*	*138-002-005*	*138-002-005*
Sample ID	*030-S07-036*	*138-0001*	*138-0001M*	*138-0015*	*138-0015M*	*138-0002M*	*138-0016M*	*138-0018M*	*138-0003M*	*138-0017M*	*138-0004M*	*138-0005*	*138-0005M*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*FD*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*0–5*	*1–2*	*1–2*	*4–5*	*4–5*	*0.5–1*	*4–4.5*	*0.5–1*	*0–0.5*	*0–0.5*	*0.5–1*	*0.5–1*	*0.5–1*
Sample Date	*05-Oct-98*	*16-Jun-95*	*16-Jun-95*	*16-Jun-95*	*16-Jun-95*	*16-Jun-95*	*16-Jun-95*	*16-Jun-95*	*14-Jun-95*	*14-Jun-95*	*15-Jun-95*	*14-Jun-95*	*14-Jun-95*
Reference	*TtEMI 2004*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*
Metals (mg/kg) (cont.)													
manganese	*213*	*82.3*		*89.8*								*112*	
mercury	*0.25 UJ*	*0.16 U*	*0.36*	*0.18 U*	*0.26*	*0.12 U*	*0.12 U*	*0.39*	*0.11 U*	*0.1 U*	*0.24*	*0.15 U*	*0.15*
molybdenum	*0.23 U*	*2.1 U*	*1 U*	*2.4 U*	*1.2 U*	*1.2 U*	*1.2 U*	*1.1 U*	*1.1 U*	*1 U*	*1.3*	*2 U*	*1 U*
nickel	*26.2*	*20.5*	*21.3*	*24.2*	*21.3*	*25.5*	*19.6*	*18*	*21.1*	*22.1*	*26.7*	*18.3*	*18.6*
potassium	*550 J*	*616*		*801*								*537*	
selenium	*0.37 U*	*0.54 U*	*0.26 U*	*0.62 U*	*0.3 U*	*0.29 U*	*0.29 U*	*0.29 U*	*0.26 U*	*0.26 U*	*0.26 U*	*0.54 U*	*0.26 U*
silver	*0.091 U*	*0.19 U*	*0.52 U*	*0.22 U*	*0.61 U*	*0.58 U*	*0.59 U*	*0.57 U*	*0.53 U*	*0.51 U*	*0.52 U*	*0.19 U*	*0.52 U*
sodium	*26.9 U*	*85.6*		*121*								*77.2*	
thallium	*0.41 U*	*2.1*	*0.26 U*	*2.6*	*0.3 U*	*0.29 U*	*0.29 U*	*0.29 U*	*0.26 U*	*0.26 U*	*0.26 U*	*2.2*	*0.26 U*
vanadium	*25.1*	*17.2*	*18.7*	*18.9*	*16.9*	*18.9*	*15.4*	*17.9*	*19.2*	*21.2*	*26*	*16.2*	*16.2*
zinc	*19*	*14.4*	*14.5*	*34.8*	*13.2*	*15.7*	*12*	*22.5*	*68.4*	*106*	*178*	*18*	*29.1*

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	138	138	138	138	138	138	138	138	138	138	138	138	138
Station ID	138-002-006	138-003-015	138-003-015	138-003-016	138-003-016	138-SS-001	138-SS-001	138-Z17-010	138-Z17-013	138-Z17-014	138-Z17-014	138-Z17-017	138-Z17-017
Sample ID	138-0006M	138-0019	138-0020	138-0021	138-0022	138M-001	138M-001M	138-0010M	138-0013M	138-0014	138-0014M	138-0023	138-0024
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0–0.5	0.5–1	4–4.5	0–0.5	5–5.5	3.2–4	3.2–4	1–1.5	1.5–2	1.5–2	1.5–2	0–1	6–7
Sample Date	15-Jun-95	27-Oct-95	27-Oct-95	27-Oct-95	27-Oct-95	21-Jun-95	21-Jun-95	15-Jun-95	15-Jun-95	15-Jun-95	15-Jun-95	30-Oct-95	30-Oct-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg)													
acetone							25 U						
benzene							6 U						
bromobenzene													
bromochloromethane													
bromodichloromethane							6 U						
bromoform							6 U						
bromomethane							13 U						
2-butanone							13 U						
n-butylbenzene													
sec-butylbenzene													
tert-butylbenzene													
carbon disulfide							6 U						
carbon tetrachloride							6 U						
chlorobenzene							6 U						
chlorodibromomethane							6 U						
chloroethane							13 U						
chloroform							6 U						
chloromethane							13 U						
2-chlorotoluene													
4-chlorotoluene													
1,2-dibromo-3-chloropropane													
1,2-dibromoethane													
dibromomethane													
1,2-dichlorobenzene													
1,3-dichlorobenzene	350 U	3,400 U	340 U	340 U	390 U	370 U		360 U	360 U	340 U	360 U	340 U	380 U
1,4-dichlorobenzene	350 U	3,400 U	340 U	340 U	390 U	370 U		360 U	360 U	340 U	360 U	340 U	380 U
dichlorodifluoromethane													
1,1-dichloroethane							6 U						
1,2-dichloroethane							6 U						
1,1-dichloroethene							6 U						
cis-1,2-dichloroethene							6 U						
trans-1,2-dichloroethene							6 U						
1,2-dichloroethene													
1,2-dichloropropane							6 U						
1,3-dichloropropane													
sec-dichloropropane													
1,1-dichloropropene													
cis-1,3-dichloropropene							6 U						
trans-1,3-dichloropropene							6 U						
ethylbenzene							6 U						
n-hexane							6 U						
2-hexanone							13 U						
isopropylbenzene													
p-isopropyltoluene													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*138-002-006*	*138-003-015*	*138-003-015*	*138-003-016*	*138-003-016*	*138-SS-001*	*138-SS-001*	*138-Z17-010*	*138-Z17-013*	*138-Z17-014*	*138-Z17-014*	*138-Z17-017*	*138-Z17-017*
Sample ID	*138-0006M*	*138-0019*	*138-0020*	*138-0021*	*138-0022*	*138M-001*	*138M-001M*	*138-0010M*	*138-0013M*	*138-0014*	*138-0014M*	*138-0023*	*138-0024*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*0–0.5*	*0.5–1*	*4–4.5*	*0–0.5*	*5–5.5*	*3.2–4*	*3.2–4*	*1–1.5*	*1.5–2*	*1.5–2*	*1.5–2*	*0–1*	*6–7*
Sample Date	*15-Jun-95*	*27-Oct-95*	*27-Oct-95*	*27-Oct-95*	*27-Oct-95*	*21-Jun-95*	*21-Jun-95*	*15-Jun-95*	*15-Jun-95*	*15-Jun-95*	*15-Jun-95*	*30-Oct-95*	*30-Oct-95*
Reference	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*
Volatile Organic Compounds (µg/kg) (cont.)													
methyl tert-butyl ether													
methylene chloride							*25 U*						
4-methyl-2-pentanone							*13 U*						
n-propylbenzene													
styrene							*6 U*						
1,1,1,2-tetrachloroethane													
1,1,2,2-tetrachloroethane							*6 U*						
tetrachloroethene							*6 U*						
toluene							*6 U*						
1,2,3-trichlorobenzene													
1,2,4-trichlorobenzene	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
1,1,1-trichloroethane							*6 U*						
1,1,2-trichloroethane							*6 U*						
trichloroethene							*6 U*						
trichlorofluoromethane							*6 U*						
1,2,3-trichloropropane													
1,1,2-trichloro-1,2,2-trifluoroethane													
1,2,4-trimethylbenzene													
1,3,5-trimethylbenzene													
vinyl acetate							*63 U*						
vinyl chloride							*13 U*						
meta-,para-xylene							*6 U*						
m-, p-xylene													
o-xylene							*6 U*						
xylenes, total													
Petroleum Hydrocarbons (µg/kg)													
diesel	*210,000*	*520,000*	*26,000 UJ*				*1,000 U*	*5,000 U*	*24,000*	*10,000 U*	*37,000*	*26,000 U*	*28,000 UJ*
gasoline		*520 UJ*	*530 UJ*	*520 UJ*	*600 UJ*		*600 U*			*500 U*		*520 UJ*	*570 UJ*
jet fuel #5 (JP5)													
JP-5													
motor oil	*1,100,000*	*410,000*	*26,000 UJ*				*32,000 U*	*1,300,000*	*830,000*	*81,000 J*	*220,000*	*26,000 U*	*28,000 UJ*
oil and grease						*508,000*							
Semivolatile Organic Compounds (µg/kg)													
acenaphthene													
acenaphthylene													
aniline	*350 U*							*360 U*	*360 U*		*360 U*		
anthracene													
benz(a)anthracene													
benzidine	*350 U*							*360 U*	*360 U*		*360 U*		
benzo(b)fluoranthene													
benzo(k)fluoranthene													
benzo(g,h,i)perylene													
benzo(a)pyrene													
benzyl alcohol	*350 U*							*360 U*	*360 U*		*360 U*		

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*138-002-006*	*138-003-015*	*138-003-015*	*138-003-016*	*138-003-016*	*138-SS-001*	*138-SS-001*	*138-Z17-010*	*138-Z17-013*	*138-Z17-014*	*138-Z17-014*	*138-Z17-017*	*138-Z17-017*
Sample ID	*138-0006M*	*138-0019*	*138-0020*	*138-0021*	*138-0022*	*138M-001*	*138M-001M*	*138-0010M*	*138-0013M*	*138-0014*	*138-0014M*	*138-0023*	*138-0024*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*0–0.5*	*0.5–1*	*4–4.5*	*0–0.5*	*5–5.5*	*3.2–4*	*3.2–4*	*1–1.5*	*1.5–2*	*1.5–2*	*1.5–2*	*0–1*	*6–7*
Sample Date	*15-Jun-95*	*27-Oct-95*	*27-Oct-95*	*27-Oct-95*	*27-Oct-95*	*21-Jun-95*	*21-Jun-95*	*15-Jun-95*	*15-Jun-95*	*15-Jun-95*	*15-Jun-95*	*30-Oct-95*	*30-Oct-95*
Reference	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*
Semivolatile Organic Compounds (µg/kg) (cont.)													
bis(2-chloroethoxy)methane	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
bis(2-chloroethyl)ether	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
bis(2-chloro-1-methylethyl)ether	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
bis(2-ethylhexyl)phthalate	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*120 J*	*360 U*	*340 U*	*380 U*
4-bromophenyl phenyl ether	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
butyl benzyl phthalate	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
carbazole		*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*				*340 U*		*340 U*	*380 U*
4-chloroaniline	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
4-chloro-3-methylphenol	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
2-chloronaphthalene	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
2-chlorophenol	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
4-chlorophenyl phenyl ether	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
chrysene													
dibenz(a,h)anthracene													
di-n-butyl phthalate	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*28 J*		*360 U*	*360 U*	*46 J*	*360 U*	*910 U*	*820 U*
dibenzofuran	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
1,2-dichlorobenzene	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
1,3-dichlorobenzene													
1,4-dichlorobenzene													
3,3'-dichlorobenzidine	*1,700 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*1,800 U*	*1,800 U*	*340 U*	*1,800 U*	*340 U*	*380 U*
2,4-dichlorophenol	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
diethyl phthalate	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
2,4-dimethylphenol	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
dimethyl phthalate	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
4,6-dinitro-2-methylphenol	*1,700 U*	*8,200 U*	*830 U*	*820 U*	*940 U*	*890 U*		*1,800 U*	*1,800 U*	*830 U*	*1,800 U*	*820 U*	*920 U*
2,4-dinitrophenol	*1,700 U*	*8,200 U*	*830 U*	*820 U*	*940 U*	*890 U*		*1,800 U*	*1,800 U*	*830 U*	*1,800 U*	*820 U*	*920 U*
2,4-dinitrotoluene	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
2,6-dinitrotoluene	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
di-n-octyl phthalate	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
fluoranthene													
fluorene													
hexachlorobenzene	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
hexachlorobutadiene	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
hexachlorocyclopentadiene	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
hexachloroethane	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
indeno(1,2,3-cd)pyrene													
isophorone	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
2-methylnaphthalene													
2-methylphenol	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
4-methylphenol	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
naphthalene													
2-nitroaniline	*1,700 U*	*8,200 U*	*830 U*	*820 U*	*940 U*	*890 U*		*1,800 U*	*1,800 U*	*830 U*	*1,800 U*	*820 U*	*920 U*
3-nitroaniline	*1,700 U*	*8,200 U*	*830 U*	*820 U*	*940 U*	*890 U*		*1,800 U*	*1,800 U*	*830 U*	*1,800 U*	*820 U*	*920 U*
4-nitroaniline	*17,00 U*	*8,200 U*	*830 U*	*820 U*	*940 U*	*890 U*		*1,800 U*	*1,800 U*	*830 U*	*1,800 U*	*820 U*	*920 U*

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*138-002-006*	*138-003-015*	*138-003-015*	*138-003-016*	*138-003-016*	*138-SS-001*	*138-SS-001*	*138-Z17-010*	*138-Z17-013*	*138-Z17-014*	*138-Z17-014*	*138-Z17-017*	*138-Z17-017*
Sample ID	*138-0006M*	*138-0019*	*138-0020*	*138-0021*	*138-0022*	*138M-001*	*138M-001M*	*138-0010M*	*138-0013M*	*138-0014*	*138-0014M*	*138-0023*	*138-0024*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*0–0.5*	*0.5–1*	*4–4.5*	*0–0.5*	*5–5.5*	*3.2–4*	*3.2–4*	*1–1.5*	*1.5–2*	*1.5–2*	*1.5–2*	*0–1*	*6–7*
Sample Date	*15-Jun-95*	*27-Oct-95*	*27-Oct-95*	*27-Oct-95*	*27-Oct-95*	*21-Jun-95*	*21-Jun-95*	*15-Jun-95*	*15-Jun-95*	*15-Jun-95*	*15-Jun-95*	*30-Oct-95*	*30-Oct-95*
Reference	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*
Semivolatile Organic Compounds (µg/kg) (cont.)													
nitrobenzene	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
4-nitrophenol	*1,700 U*	*8,200 U*	*830 U*	*820 U*	*940 U*	*890 U*		*1,800 U*	*1,800 U*	*830 U*	*1,800 U*	*820 U*	*920 U*
2-nitrophenol	*1,700 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*1,800 U*	*1,800 U*	*340 U*	*1,800 U*	*340 U*	*380 U*
N-nitrosodimethylamine	*350 U*							*360 U*	*360 U*		*360 U*		
N-nitrosodiphenylamine	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
N-nitroso-di-n-propylamine	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
pentachlorophenol	*1,700 U*	*8,200 U*	*830 U*	*820 U*	*940 U*	*890 U*		*1,800 U*	*1,800 U*	*830 U*	*1,800 U*	*820 U*	*920 U*
phenanthrene													
phenol	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
pyrene													
1,2,4-trichlorobenzene													
2,4,5-trichlorophenol	*1,700 U*	*8,200 U*	*830 U*	*820 U*	*940 U*	*890 U*		*1,800 U*	*1,800 U*	*830 U*	*1,800 U*	*820 U*	*920 U*
2,4,6-trichlorophenol	*350 U*	*3,400 U*	*340 U*	*340 U*	*390 U*	*370 U*		*360 U*	*360 U*	*340 U*	*360 U*	*340 U*	*380 U*
Pesticides/Polychlorinated Biphenyls (µg/kg)													
aldrin						*1.9 U*						*1.8 U*	*1.9 U*
Aroclor 1016						*37 U*		*22 U*	*22 U*	*34 U*	*22 U*	*34 U*	*38 U*
Aroclor 1221						*74 U*		*22 U*	*22 U*	*70 U*	*22 U*	*69 U*	*77 U*
Aroclor 1232						*37 U*		*22 U*	*22 U*	*34 U*	*22 U*	*34 U*	*38 U*
Aroclor 1242						*37 U*		*22 U*	*22 U*	*34 U*	*22 U*	*34 U*	*38 U*
Aroclor 1248						*37 U*		*22 U*	*22 U*	*34 U*	*22 U*	*34 U*	*38 U*
Aroclor 1254						*37 U*		*22 U*	*30*	*34 U*	*22 U*	*34 U*	*38 U*
Aroclor 1260						*37 U*		*22 U*	*230*	*32 J*	*22 U*	*34 U*	*38 U*
alpha-BHC						*1.9 U*						*1.8 U*	*1.9 U*
beta-BHC						*1.9 U*						*1.8 U*	*1.9 U*
delta-BHC						*1.9 U*						*1.8 U*	*1.9 U*
gamma-BHC (lindane)						*1.9 U*						*1.8 U*	*1.9 U*
alpha-chlordane						*1.9 U*						*1.8 U*	*1.9 U*
gamma-chlordane						*1.9 U*						*1.8 U*	*1.9 U*
4,4´-DDD						*3.7 U*						*4*	*3.8 U*
4,4´-DDE						*3.7 U*						*3.4 U*	*3.8 U*
4,4´-DDT						*3.7 U*						*11 J*	*3.8 U*
dieldrin						*3.7 U*						*3.4 U*	*3.8 U*
endosulfan I						*1.9 U*						*1.8 U*	*1.9 U*
endosulfan II						*3.7 U*						*3.4 U*	*3.8 U*
endosulfan sulfate						*3.7 U*						*3.4 U*	*3.8 U*
endrin						*3.7 U*						*3.4 U*	*3.8 U*
endrin aldehyde						*3.7 U*						*3.4 U*	*3.8 U*
endrin ketone						*3.7 U*						*3.4 U*	*3.8 U*
heptachlor						*1.9 U*						*1.8 U*	*1.9 U*
heptachlor epoxide						*1.9 U*						*1.8 U*	*1.9 U*
methoxychlor						*19 U*						*210*	*19 U*
toxaphene						*190 U*						*180 U*	*190 U*
Dioxins/Furans (µg/kg)													
heptachlorodibenzo-p-dioxins													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*138-002-006*	*138-003-015*	*138-003-015*	*138-003-016*	*138-003-016*	*138-SS-001*	*138-SS-001*	*138-Z17-010*	*138-Z17-013*	*138-Z17-014*	*138-Z17-014*	*138-Z17-017*	*138-Z17-017*
Sample ID	*138-0006M*	*138-0019*	*138-0020*	*138-0021*	*138-0022*	*138M-001*	*138M-001M*	*138-0010M*	*138-0013M*	*138-0014*	*138-0014M*	*138-0023*	*138-0024*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*0–0.5*	*0.5–1*	*4–4.5*	*0–0.5*	*5–5.5*	*3.2–4*	*3.2–4*	*1–1.5*	*1.5–2*	*1.5–2*	*1.5–2*	*0–1*	*6–7*
Sample Date	*15-Jun-95*	*27-Oct-95*	*27-Oct-95*	*27-Oct-95*	*27-Oct-95*	*21-Jun-95*	*21-Jun-95*	*15-Jun-95*	*15-Jun-95*	*15-Jun-95*	*15-Jun-95*	*30-Oct-95*	*30-Oct-95*
Reference	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*
Dioxins/Furans (µg/kg) (cont.)														
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin														
heptachlorodibenzofurans														
1,2,3,4,6,7,8-heptachlorodibenzofuran														
1,2,3,4,7,8,9-heptachlorodibenzofuran														
hexachlorodibenzo-p-dioxins														
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin														
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin														
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin														
hexachlorodibenzofurans														
1,2,3,4,7,8-hexachlorodibenzofuran														
1,2,3,6,7,8-hexachlorodibenzofuran														
1,2,3,7,8,9-hexachlorodibenzofuran														
2,3,4,6,7,8-hexachlorodibenzofuran														
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin														
1,2,3,4,6,7,8,9-octachlorodibenzofuran														
pentachlorodibenzo-p-dioxins														
1,2,3,7,8-pentachlorodibenzo-p-dioxin														
pentachlorodibenzofurans														
1,2,3,7,8-pentachlorodibenzofuran														
2,3,4,7,8-pentachlorodibenzofuran														
tetrachlorodibenzo-p-dioxins														
2,3,7,8-tetrachlorodibenzo-p-dioxin														
tetrachlorodibenzofurans														
2,3,7,8-tetrachlorodibenzofuran														
Organotins (µg/kg)														
dibutyltin						*0.001 UJ*								
monobutyltin						*0.001 UJ*								
tetrabutyltin						*0.001 UJ*								
tributyltin						*0.001 UJ*								
Metals (mg/kg)														
aluminum														
antimony	*3 U*						*3.7 U*							
arsenic	*1.8*						*3*							
barium	*42*						*33.7*							
beryllium	*0.3*						*0.38*							
cadmium	*0.58*						*0.3*							
calcium														
chromium	*20.3*						*33.2*							
cobalt	*5.6*						*6.4*							
copper	*207*						*11*							
iron														
lead	*20.6*						*9.4*	*5.8*	*103*	*43.2*	*9.1*			
tetraethyllead														
magnesium														

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*138-002-006*	*138-003-015*	*138-003-015*	*138-003-016*	*138-003-016*	*138-SS-001*	*138-SS-001*	*138-Z17-010*	*138-Z17-013*	*138-Z17-014*	*138-Z17-014*	*138-Z17-017*	*138-Z17-017*	
Sample ID	*138-0006M*	*138-0019*	*138-0020*	*138-0021*	*138-0022*	*138M-001*	*138M-001M*	*138-0010M*	*138-0013M*	*138-0014*	*138-0014M*	*138-0023*	*138-0024*	
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	
Depth Interval (feet bgs)	*0–0.5*	*0.5–1*	*4–4.5*	*0–0.5*	*5–5.5*	*3.2–4*	*3.2–4*	*1–1.5*	*1.5–2*	*1.5–2*	*1.5–2*	*0–1*	*6–7*	
Sample Date	*15-Jun-95*	*27-Oct-95*	*27-Oct-95*	*27-Oct-95*	*27-Oct-95*	*21-Jun-95*	*21-Jun-95*	*15-Jun-95*	*15-Jun-95*	*15-Jun-95*	*15-Jun-95*	*30-Oct-95*	*30-Oct-95*	
Reference	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	
Metals (mg/kg) (cont.)														
manganese														
mercury	*0.21*						*0.48*							
molybdenum	*1 U*						*1.2 U*							
nickel	*16.1*						*33.6*							
potassium														
selenium	*0.25 U*						*0.31 U*							
silver	*0.5 U*						*0.62 U*							
sodium														
thallium	*0.25 U*						*0.31 U*							
vanadium	*29.7*						*24.1*							
zinc	*58.4*						*25.4*							

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*32EDC-12-18*	*32EDC-12-18*	*32EDC-12-18*	*32EDC-12-18*	*32EDC-12-18*	*37-10M*	*37-10-MOJ*	*37-10SE*	*37-10W*	*37-11E*	*37-11-MOJ*	*37-11W*	*37-12E*
Sample ID	*C032C423*	*C032C424*	*C032C425*	*C032C426*	*C032C427*	*37-10M*	*37-P10Z*	*37-10SE*	*37-10W*	*37-11E*	*37-P11Z*	*37-11W*	*37-12E*
Sample Type	*REG*	*REG*	*FD*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*0–0.5*	*0.5–2*	*0.5–2*	*2–4*	*4–8*	*4–4*	*6–6*	*4–4*	*4–4*	*5–5*	*5–5*	*5–5*	*5–5*
Sample Date	*23-May-02*	*23-May-02*	*23-May-02*	*23-May-02*	*23-May-02*	*03-May-95*	*18-Aug-97*	*03-May-95*	*03-Feb-95*	*09-Feb-95*	*18-Aug-97*	*09-Feb-95*	*09-Feb-95*
Reference	*BEI 2003*	*BEI 2003*	*BEI 2003*	*BEI 2003*	*BEI 2003*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Volatile Organic Compounds (µg/kg)													
acetone													
benzene						*5 U*	*5 U*	*5 U*	*500 U*	*5 U*	*5 U*	*2,000 U*	*5 U*
bromobenzene													
bromochloromethane													
bromodichloromethane													
bromoform													
bromomethane													
2-butanone													
n-butylbenzene													
sec-butylbenzene													
tert-butylbenzene													
carbon disulfide													
carbon tetrachloride													
chlorobenzene													
chlorodibromomethane													
chloroethane													
chloroform													
chloromethane													
2-chlorotoluene													
4-chlorotoluene													
1,2-dibromo-3-chloropropane													
1,2-dibromoethane													
dibromomethane													
1,2-dichlorobenzene													
1,3-dichlorobenzene													
1,4-dichlorobenzene													
dichlorodifluoromethane													
1,1-dichloroethane													
1,2-dichloroethane													
1,1-dichloroethene													
cis-1,2-dichloroethene													
trans-1,2-dichloroethene													
1,2-dichloroethene													
1,2-dichloropropane													
1,3-dichloropropane													
sec-dichloropropane													
1,1-dichloropropene													
cis-1,3-dichloropropene													
trans-1,3-dichloropropene													
ethylbenzene						*5 U*	*5 U*	*5 U*	*500 U*	*5 U*	*5 U*	*3,500*	*5 U*
n-hexane													
2-hexanone													
isopropylbenzene													
p-isopropyltoluene													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	138	138	138	138	138	138	138	138	138	138	138	138	138
Station ID	32EDC-12-18	32EDC-12-18	32EDC-12-18	32EDC-12-18	32EDC-12-18	37-10M	37-10-MOJ	37-10SE	37-10W	37-11E	37-11-MOJ	37-11W	37-12E
Sample ID	C032C423	C032C424	C032C425	C032C426	C032C427	37-10M	37-P10Z	37-10SE	37-10W	37-11E	37-P11Z	37-11W	37-12E
Sample Type	REG	REG	FD	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0–0.5	0.5–2	0.5–2	2–4	4–8	4–4	6–6	4–4	4–4	5–5	5–5	5–5	5–5
Sample Date	23-May-02	23-May-02	23-May-02	23-May-02	23-May-02	03-May-95	18-Aug-97	03-May-95	03-Feb-95	09-Feb-95	18-Aug-97	09-Feb-95	09-Feb-95
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004
Volatile Organic Compounds (µg/kg) (cont.)													
methyl tert-butyl ether							50 U				50 U		
methylene chloride													
4-methyl-2-pentanone													
n-propylbenzene													
styrene													
1,1,1,2-tetrachloroethane													
1,1,2,2-tetrachloroethane													
tetrachloroethene													
toluene						5 U	5 U	5 U	30,000	5 U	5 U	33,000	5 U
1,2,3-trichlorobenzene													
1,2,4-trichlorobenzene													
1,1,1-trichloroethane													
1,1,2-trichloroethane													
trichloroethene													
trichlorofluoromethane													
1,2,3-trichloropropane													
1,1,2-trichloro-1,2,2-trifluoroethane													
1,2,4-trimethylbenzene													
1,3,5-trimethylbenzene													
vinyl acetate													
vinyl chloride													
meta-,para-xylene													
m-, p-xylene													
o-xylene													
xylenes, total						5 U	5 U	5 U	27000	5 U	5 U	9,800	5 U
Petroleum Hydrocarbons (µg/kg)													
diesel						9,200	5,000	1,900	310,000	16,000	1,000 U	41,000	4,100
gasoline						1,000 U	1,000 U	1,000 U	1,800,000	1,000 U	1,000 U	1,700,000	1,000 U
jet fuel #5 (JP5)						5,000 U	1,000 U	1,000 U	260,000	11,000	1,000 U	23,000	1,000 U
JP-5													
motor oil						67,000	10,000 U	10,000 U	100,000 U	24,000	10,000 U	31,000	14,000
oil and grease													
Semivolatile Organic Compounds (µg/kg)													
acenaphthene	2 J	5.2 U	2.5 J	5.2 U	6.2 U								
acenaphthylene	8.2	3.6 J	6.3	4.3 J	6.2 U								
aniline													
anthracene	12 J	6.4 J	15 J	7.1 J	6.2 UJ								
benz(a)anthracene	34 J	17 J	52 J	18 J	4.7 J								
benzidine													
benzo(b)fluoranthene	58	27	59	24	9.5								
benzo(k)fluoranthene	43	20	46	20	7.3								
benzo(g,h,i)perylene	64 J	27 J	46 J	20 J	7.6 J								
benzo(a)pyrene	52	25	57	25	11								
benzyl alcohol													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*32EDC-12-18*	*32EDC-12-18*	*32EDC-12-18*	*32EDC-12-18*	*32EDC-12-18*	*37-10M*	*37-10-MOJ*	*37-10SE*	*37-10W*	*37-11E*	*37-11-MOJ*	*37-11W*	*37-12E*
Sample ID	*C032C423*	*C032C424*	*C032C425*	*C032C426*	*C032C427*	*37-10M*	*37-P10Z*	*37-10SE*	*37-10W*	*37-11E*	*37-P11Z*	*37-11W*	*37-12E*
Sample Type	*REG*	*REG*	*FD*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*0–0.5*	*0.5–2*	*0.5–2*	*2–4*	*4–8*	*4–4*	*6–6*	*4–4*	*4–4*	*5–5*	*5–5*	*5–5*	*5–5*
Sample Date	*23-May-02*	*23-May-02*	*23-May-02*	*23-May-02*	*23-May-02*	*03-May-95*	*18-Aug-97*	*03-May-95*	*03-Feb-95*	*09-Feb-95*	*18-Aug-97*	*09-Feb-95*	*09-Feb-95*
Reference	*BEI 2003*	*BEI 2003*	*BEI 2003*	*BEI 2003*	*BEI 2003*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/kg) (cont.)													
bis(2-chloroethoxy)methane													
bis(2-chloroethyl)ether													
bis(2-chloro-1-methylethyl)ether													
bis(2-ethylhexyl)phthalate													
4-bromophenyl phenyl ether													
butyl benzyl phthalate													
carbazole													
4-chloroaniline													
4-chloro-3-methylphenol													
2-chloronaphthalene													
2-chlorophenol													
4-chlorophenyl phenyl ether													
chrysene	*51 J*	*21 J*	*62 J*	*24 J*	*5.5 J*								
dibenz(a,h)anthracene	*11*	*5.2 U*	*5.2 U*	*5.2 U*	*2.1 J*								
di-n-butyl phthalate													
dibenzofuran													
1,2-dichlorobenzene													
1,3-dichlorobenzene													
1,4-dichlorobenzene													
3,3'-dichlorobenzidine													
2,4-dichlorophenol													
diethyl phthalate													
2,4-dimethylphenol													
dimethyl phthalate													
4,6-dinitro-2-methylphenol													
2,4-dinitrophenol													
2,4-dinitrotoluene													
2,6-dinitrotoluene													
di-n-octyl phthalate													
fluoranthene	*70 J*	*20 J*	*140 J*	*37 J*	*5.3 J*								
fluorene	*5.2 U*	*5.2 U*	*5.2 U*	*5.2 U*	*6.2 U*								
hexachlorobenzene													
hexachlorobutadiene													
hexachlorocyclopentadiene													
hexachloroethane													
indeno(1,2,3-cd)pyrene	*37 J*	*17 J*	*34 J*	*12 J*	*5.1 J*								
isophorone													
2-methylnaphthalene	*5.2 UJ*	*5.2 UJ*	*5.2 UJ*	*5.2 UJ*	*6.2 UJ*								
2-methylphenol													
4-methylphenol													
naphthalene	*5.2 UJ*	*5.2 UJ*	*5.2 UJ*	*5.2 UJ*	*6.2 UJ*								
2-nitroaniline													
3-nitroaniline													
4-nitroaniline													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*32EDC-12-18*	*32EDC-12-18*	*32EDC-12-18*	*32EDC-12-18*	*32EDC-12-18*	*37-10M*	*37-10-MOJ*	*37-10SE*	*37-10W*	*37-11E*	*37-11-MOJ*	*37-11W*	*37-12E*
Sample ID	*C032C423*	*C032C424*	*C032C425*	*C032C426*	*C032C427*	*37-10M*	*37-P10Z*	*37-10SE*	*37-10W*	*37-11E*	*37-P11Z*	*37-11W*	*37-12E*
Sample Type	*REG*	*REG*	*FD*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*0–0.5*	*0.5–2*	*0.5–2*	*2–4*	*4–8*	*4–4*	*6–6*	*4–4*	*4–4*	*5–5*	*5–5*	*5–5*	*5–5*
Sample Date	*23-May-02*	*23-May-02*	*23-May-02*	*23-May-02*	*23-May-02*	*03-May-95*	*18-Aug-97*	*03-May-95*	*03-Feb-95*	*09-Feb-95*	*18-Aug-97*	*09-Feb-95*	*09-Feb-95*
Reference	*BEI 2003*	*BEI 2003*	*BEI 2003*	*BEI 2003*	*BEI 2003*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/kg) (cont.)													
nitrobenzene													
4-nitrophenol													
2-nitrophenol													
N-nitrosodimethylamine													
N-nitrosodiphenylamine													
N-nitroso-di-n-propylamine													
pentachlorophenol													
phenanthrene	*20 J*	*5.5 J*	*52 J*	*21 J*	*6.2 UJ*								
phenol													
pyrene	*90 J*	*28 J*	*140 J*	*45 J*	*8.3 J*								
1,2,4-trichlorobenzene													
2,4,5-trichlorophenol													
2,4,6-trichlorophenol													
Pesticides/Polychlorinated Biphenyls (µg/kg)													
aldrin													
Aroclor 1016													
Aroclor 1221													
Aroclor 1232													
Aroclor 1242													
Aroclor 1248													
Aroclor 1254													
Aroclor 1260													
alpha-BHC													
beta-BHC													
delta-BHC													
gamma-BHC (lindane)													
alpha-chlordane													
gamma-chlordane													
4,4´-DDD													
4,4´-DDE													
4,4´-DDT													
dieldrin													
endosulfan I													
endosulfan II													
endosulfan sulfate													
endrin													
endrin aldehyde													
endrin ketone													
heptachlor													
heptachlor epoxide													
methoxychlor													
toxaphene													
Dioxins/Furans (µg/kg)													
heptachlorodibenzo-p-dioxins													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*32EDC-12-18*	*32EDC-12-18*	*32EDC-12-18*	*32EDC-12-18*	*32EDC-12-18*	*37-10M*	*37-10-MOJ*	*37-10SE*	*37-10W*	*37-11E*	*37-11-MOJ*	*37-11W*	*37-12E*
Sample ID	*C032C423*	*C032C424*	*C032C425*	*C032C426*	*C032C427*	*37-10M*	*37-P10Z*	*37-10SE*	*37-10W*	*37-11E*	*37-P11Z*	*37-11W*	*37-12E*
Sample Type	*REG*	*REG*	*FD*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*0–0.5*	*0.5–2*	*0.5–2*	*2–4*	*4–8*	*4–4*	*6–6*	*4–4*	*4–4*	*5–5*	*5–5*	*5–5*	*5–5*
Sample Date	*23-May-02*	*23-May-02*	*23-May-02*	*23-May-02*	*23-May-02*	*03-May-95*	*18-Aug-97*	*03-May-95*	*03-Feb-95*	*09-Feb-95*	*18-Aug-97*	*09-Feb-95*	*09-Feb-95*
Reference	*BEI 2003*	*BEI 2003*	*BEI 2003*	*BEI 2003*	*BEI 2003*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Dioxins/Furans (µg/kg) (cont.)														
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin														
heptachlorodibenzofurans														
1,2,3,4,6,7,8-heptachlorodibenzofuran														
1,2,3,4,7,8,9-heptachlorodibenzofuran														
hexachlorodibenzo-p-dioxins														
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin														
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin														
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin														
hexachlorodibenzofurans														
1,2,3,4,7,8-hexachlorodibenzofuran														
1,2,3,6,7,8-hexachlorodibenzofuran														
1,2,3,7,8,9-hexachlorodibenzofuran														
2,3,4,6,7,8-hexachlorodibenzofuran														
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin														
1,2,3,4,6,7,8,9-octachlorodibenzofuran														
pentachlorodibenzo-p-dioxins														
1,2,3,7,8-pentachlorodibenzo-p-dioxin														
pentachlorodibenzofurans														
1,2,3,7,8-pentachlorodibenzofuran														
2,3,4,7,8-pentachlorodibenzofuran														
tetrachlorodibenzo-p-dioxins														
2,3,7,8-tetrachlorodibenzo-p-dioxin														
tetrachlorodibenzofurans														
2,3,7,8-tetrachlorodibenzofuran														
Organotins (µg/kg)														
dibutyltin														
monobutyltin														
tetrabutyltin														
tributyltin														
Metals (mg/kg)														
aluminum														
antimony														
arsenic														
barium														
beryllium														
cadmium														
calcium														
chromium														
cobalt														
copper														
iron														
lead														
tetraethyllead														
magnesium														

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*32EDC-12-18*	*32EDC-12-18*	*32EDC-12-18*	*32EDC-12-18*	*32EDC-12-18*	*37-10M*	*37-10-MOJ*	*37-10SE*	*37-10W*	*37-11E*	*37-11-MOJ*	*37-11W*	*37-12E*
Sample ID	*C032C423*	*C032C424*	*C032C425*	*C032C426*	*C032C427*	*37-10M*	*37-P10Z*	*37-10SE*	*37-10W*	*37-11E*	*37-P11Z*	*37-11W*	*37-12E*
Sample Type	*REG*	*REG*	*FD*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*0–0.5*	*0.5–2*	*0.5–2*	*2–4*	*4–8*	*4–4*	*6–6*	*4–4*	*4–4*	*5–5*	*5–5*	*5–5*	*5–5*
Sample Date	*23-May-02*	*23-May-02*	*23-May-02*	*23-May-02*	*23-May-02*	*03-May-95*	*18-Aug-97*	*03-May-95*	*03-Feb-95*	*09-Feb-95*	*18-Aug-97*	*09-Feb-95*	*09-Feb-95*
Reference	*BEI 2003*	*BEI 2003*	*BEI 2003*	*BEI 2003*	*BEI 2003*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Metals (mg/kg) (cont.)													
manganese													
mercury													
molybdenum													
nickel													
potassium													
selenium													
silver													
sodium													
thallium													
vanadium													
zinc													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	***138***	***138***	***138***	***138***	***138***	***138***	***138***	***138***	***138***	***138***	***138***	***138***	***138***
Station ID	***37-12-MOJ***	***37-12S***	***37-12W***	***37-13-MOJ***	***37-14-MOJ***	***37-15-MOJ***	***37-16-MOJ***	***37-17-MOJ***	***37-18A-MOJ***	***37-18B-MOJ***	***37-19-MOJ***	***37-20-MOJ***	***37-21E***
Sample ID	***37-P12Z***	***37-12S***	***37-12W***	***37-P13Z***	***37-P14Z***	***37-P15Z***	***37-P16Z***	***37-P17Z***	***37-P18AY***	***37-P18BZ***	***37-P19Z***	***37-P20Z***	***37-21E***
Sample Type	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***
Depth Interval (feet bgs)	***6–6***	***5–5***	***5–5***	***6–6***	***5.5–5.5***	***6–6***	***5.5–5.5***	***6–6***	***5.5–5.5***	***5.5–5.5***	***6–6***	***6–6***	***7–7***
Sample Date	***18-Aug-97***	***09-Feb-95***	***09-Feb-95***	***18-Aug-97***	***18-Aug-97***	***22-Aug-97***	***22-Aug-97***	***22-Aug-97***	***19-Aug-97***	***18-Aug-97***	***18-Aug-97***	***19-Aug-97***	***29-Jun-95***
Reference	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***
Volatile Organic Compounds (µg/kg)													
acetone													
benzene	*100 U*	*5 U*	*250 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
bromobenzene													
bromochloromethane													
bromodichloromethane													
bromoform													
bromomethane													
2-butanone													
n-butylbenzene													
sec-butylbenzene													
tert-butylbenzene													
carbon disulfide													
carbon tetrachloride													
chlorobenzene													
chlorodibromomethane													
chloroethane													
chloroform													
chloromethane													
2-chlorotoluene													
4-chlorotoluene													
1,2-dibromo-3-chloropropane													
1,2-dibromoethane													
dibromomethane													
1,2-dichlorobenzene													
1,3-dichlorobenzene													
1,4-dichlorobenzene													
dichlorodifluoromethane													
1,1-dichloroethane													
1,2-dichloroethane													
1,1-dichloroethene													
cis-1,2-dichloroethene													
trans-1,2-dichloroethene													
1,2-dichloroethene													
1,2-dichloropropane													
1,3-dichloropropane													
sec-dichloropropane													
1,1-dichloropropene													
cis-1,3-dichloropropene													
trans-1,3-dichloropropene													
ethylbenzene	*100 U*	*5 U*	*250 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
n-hexane													
2-hexanone													
isopropylbenzene													
p-isopropyltoluene													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-12-MOJ*	*37-12S*	*37-12W*	*37-13-MOJ*	*37-14-MOJ*	*37-15-MOJ*	*37-16-MOJ*	*37-17-MOJ*	*37-18A-MOJ*	*37-18B-MOJ*	*37-19-MOJ*	*37-20-MOJ*	*37-21E*
Sample ID	*37-P12Z*	*37-12S*	*37-12W*	*37-P13Z*	*37-P14Z*	*37-P15Z*	*37-P16Z*	*37-P17Z*	*37-P18AY*	*37-P18BZ*	*37-P19Z*	*37-P20Z*	*37-21E*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*6–6*	*5–5*	*5–5*	*6–6*	*5.5–5.5*	*6–6*	*5.5–5.5*	*6–6*	*5.5–5.5*	*5.5–5.5*	*6–6*	*6–6*	*7–7*
Sample Date	*18-Aug-97*	*09-Feb-95*	*09-Feb-95*	*18-Aug-97*	*18-Aug-97*	*22-Aug-97*	*22-Aug-97*	*22-Aug-97*	*19-Aug-97*	*18-Aug-97*	*18-Aug-97*	*19-Aug-97*	*29-Jun-95*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Volatile Organic Compounds (µg/kg) (cont.)													
methyl tert-butyl ether	*50 U*			*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*5 U*	*50 U*	
methylene chloride													
4-methyl-2-pentanone													
n-propylbenzene													
styrene													
1,1,1,2-tetrachloroethane													
1,1,2,2-tetrachloroethane													
tetrachloroethene													
toluene	*2,500*	*13*	*9,400*	*5 U*	*5 U*	*5 U*	*5 U*	*9.6*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,2,3-trichlorobenzene													
1,2,4-trichlorobenzene													
1,1,1-trichloroethane													
1,1,2-trichloroethane													
trichloroethene													
trichlorofluoromethane													
1,2,3-trichloropropane													
1,1,2-trichloro-1,2,2-trifluoroethane													
1,2,4-trimethylbenzene													
1,3,5-trimethylbenzene													
vinyl acetate													
vinyl chloride													
meta-,para-xylene													
m-, p-xylene													
o-xylene													
xylenes, total	*280*	*12*	*2,000*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*2 U*	*5 U*	*5 U*
Petroleum Hydrocarbons (µg/kg)													
diesel	*1,000 U*	*3,200*	*21,000*	*1,000 U*	*2,500*	*1,000 U*	*1,000 U*	*1,000 U*	*2,800*	*1,000 U*	*5,000*	*1,000 U*	*35,000*
gasoline	*260,000*	*1,000 U*	*350,000*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*200 U*	*1,000 U*	*1,000 U*
jet fuel #5 (JP5)	*490,000*	*1,000 U*	*12,000*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*10,000*	*1,000 U*	*20,000 U*
JP-5													
motor oil	*10,000 U*	*12,000*	*22,000*	*10,000 U*	*10,000 U*	*10,000 U*	*10,000 U*	*10,000 U*	*10,000 U*	*10,000 U*		*10,000 U*	*340,000*
oil and grease													
Semivolatile Organic Compounds (µg/kg)													
acenaphthene													
acenaphthylene													
aniline													
anthracene													
benz(a)anthracene													
benzidine													
benzo(b)fluoranthene													
benzo(k)fluoranthene													
benzo(g,h,i)perylene													
benzo(a)pyrene													
benzyl alcohol													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-12-MOJ*	*37-12S*	*37-12W*	*37-13-MOJ*	*37-14-MOJ*	*37-15-MOJ*	*37-16-MOJ*	*37-17-MOJ*	*37-18A-MOJ*	*37-18B-MOJ*	*37-19-MOJ*	*37-20-MOJ*	*37-21E*
Sample ID	*37-P12Z*	*37-12S*	*37-12W*	*37-P13Z*	*37-P14Z*	*37-P15Z*	*37-P16Z*	*37-P17Z*	*37-P18AY*	*37-P18BZ*	*37-P19Z*	*37-P20Z*	*37-21E*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*6–6*	*5–5*	*5–5*	*6–6*	*5.5–5.5*	*6–6*	*5.5–5.5*	*6–6*	*5.5–5.5*	*5.5–5.5*	*6–6*	*6–6*	*7–7*
Sample Date	*18-Aug-97*	*09-Feb-95*	*09-Feb-95*	*18-Aug-97*	*18-Aug-97*	*22-Aug-97*	*22-Aug-97*	*22-Aug-97*	*19-Aug-97*	*18-Aug-97*	*18-Aug-97*	*19-Aug-97*	*29-Jun-95*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/kg) (cont.)													
bis(2-chloroethoxy)methane													
bis(2-chloroethyl)ether													
bis(2-chloro-1-methylethyl)ether													
bis(2-ethylhexyl)phthalate													
4-bromophenyl phenyl ether													
butyl benzyl phthalate													
carbazole													
4-chloroaniline													
4-chloro-3-methylphenol													
2-chloronaphthalene													
2-chlorophenol													
4-chlorophenyl phenyl ether													
chrysene													
dibenz(a,h)anthracene													
di-n-butyl phthalate													
dibenzofuran													
1,2-dichlorobenzene													
1,3-dichlorobenzene													
1,4-dichlorobenzene													
3,3'-dichlorobenzidine													
2,4-dichlorophenol													
diethyl phthalate													
2,4-dimethylphenol													
dimethyl phthalate													
4,6-dinitro-2-methylphenol													
2,4-dinitrophenol													
2,4-dinitrotoluene													
2,6-dinitrotoluene													
di-n-octyl phthalate													
fluoranthene													
fluorene													
hexachlorobenzene													
hexachlorobutadiene													
hexachlorocyclopentadiene													
hexachloroethane													
indeno(1,2,3-cd)pyrene													
isophorone													
2-methylnaphthalene													
2-methylphenol													
4-methylphenol													
naphthalene													
2-nitroaniline													
3-nitroaniline													
4-nitroaniline													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-12-MOJ*	*37-12S*	*37-12W*	*37-13-MOJ*	*37-14-MOJ*	*37-15-MOJ*	*37-16-MOJ*	*37-17-MOJ*	*37-18A-MOJ*	*37-18B-MOJ*	*37-19-MOJ*	*37-20-MOJ*	*37-21E*
Sample ID	*37-P12Z*	*37-12S*	*37-12W*	*37-P13Z*	*37-P14Z*	*37-P15Z*	*37-P16Z*	*37-P17Z*	*37-P18AY*	*37-P18BZ*	*37-P19Z*	*37-P20Z*	*37-21E*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*6–6*	*5–5*	*5–5*	*6–6*	*5.5–5.5*	*6–6*	*5.5–5.5*	*6–6*	*5.5–5.5*	*5.5–5.5*	*6–6*	*6–6*	*7–7*
Sample Date	*18-Aug-97*	*09-Feb-95*	*09-Feb-95*	*18-Aug-97*	*18-Aug-97*	*22-Aug-97*	*22-Aug-97*	*22-Aug-97*	*19-Aug-97*	*18-Aug-97*	*18-Aug-97*	*19-Aug-97*	*29-Jun-95*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/kg) (cont.)													
nitrobenzene													
4-nitrophenol													
2-nitrophenol													
N-nitrosodimethylamine													
N-nitrosodiphenylamine													
N-nitroso-di-n-propylamine													
pentachlorophenol													
phenanthrene													
phenol													
pyrene													
1,2,4-trichlorobenzene													
2,4,5-trichlorophenol													
2,4,6-trichlorophenol													
Pesticides/Polychlorinated Biphenyls (µg/kg)													
aldrin													
Aroclor 1016													
Aroclor 1221													
Aroclor 1232													
Aroclor 1242													
Aroclor 1248													
Aroclor 1254													
Aroclor 1260													
alpha-BHC													
beta-BHC													
delta-BHC													
gamma-BHC (lindane)													
alpha-chlordane													
gamma-chlordane													
4,4´-DDD													
4,4´-DDE													
4,4´-DDT													
dieldrin													
endosulfan I													
endosulfan II													
endosulfan sulfate													
endrin													
endrin aldehyde													
endrin ketone													
heptachlor													
heptachlor epoxide													
methoxychlor													
toxaphene													
Dioxins/Furans (µg/kg)													
heptachlorodibenzo-p-dioxins													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-12-MOJ*	*37-12S*	*37-12W*	*37-13-MOJ*	*37-14-MOJ*	*37-15-MOJ*	*37-16-MOJ*	*37-17-MOJ*	*37-18A-MOJ*	*37-18B-MOJ*	*37-19-MOJ*	*37-20-MOJ*	*37-21E*	
Sample ID	*37-P12Z*	*37-12S*	*37-12W*	*37-P13Z*	*37-P14Z*	*37-P15Z*	*37-P16Z*	*37-P17Z*	*37-P18AY*	*37-P18BZ*	*37-P19Z*	*37-P20Z*	*37-21E*	
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	
Depth Interval (feet bgs)	*6–6*	*5–5*	*5–5*	*6–6*	*5.5–5.5*	*6–6*	*5.5–5.5*	*6–6*	*5.5–5.5*	*5.5–5.5*	*6–6*	*6–6*	*7–7*	
Sample Date	*18-Aug-97*	*09-Feb-95*	*09-Feb-95*	*18-Aug-97*	*18-Aug-97*	*22-Aug-97*	*22-Aug-97*	*22-Aug-97*	*19-Aug-97*	*18-Aug-97*	*18-Aug-97*	*19-Aug-97*	*29-Jun-95*	
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	
Dioxins/Furans (µg/kg) (cont.)														
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin														
heptachlorodibenzofurans														
1,2,3,4,6,7,8-heptachlorodibenzofuran														
1,2,3,4,7,8,9-heptachlorodibenzofuran														
hexachlorodibenzo-p-dioxins														
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin														
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin														
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin														
hexachlorodibenzofurans														
1,2,3,4,7,8-hexachlorodibenzofuran														
1,2,3,6,7,8-hexachlorodibenzofuran														
1,2,3,7,8,9-hexachlorodibenzofuran														
2,3,4,6,7,8-hexachlorodibenzofuran														
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin														
1,2,3,4,6,7,8,9-octachlorodibenzofuran														
pentachlorodibenzo-p-dioxins														
1,2,3,7,8-pentachlorodibenzo-p-dioxin														
pentachlorodibenzofurans														
1,2,3,7,8-pentachlorodibenzofuran														
2,3,4,7,8-pentachlorodibenzofuran														
tetrachlorodibenzo-p-dioxins														
2,3,7,8-tetrachlorodibenzo-p-dioxin														
tetrachlorodibenzofurans														
2,3,7,8-tetrachlorodibenzofuran														
Organotins (µg/kg)														
dibutyltin														
monobutyltin														
tetrabutyltin														
tributyltin														
Metals (mg/kg)														
aluminum														
antimony														
arsenic														
barium														
beryllium														
cadmium														
calcium														
chromium														
cobalt														
copper														
iron														
lead														
tetraethyllead														
magnesium														

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-12-MOJ*	*37-12S*	*37-12W*	*37-13-MOJ*	*37-14-MOJ*	*37-15-MOJ*	*37-16-MOJ*	*37-17-MOJ*	*37-18A-MOJ*	*37-18B-MOJ*	*37-19-MOJ*	*37-20-MOJ*	*37-21E*
Sample ID	*37-P12Z*	*37-12S*	*37-12W*	*37-P13Z*	*37-P14Z*	*37-P15Z*	*37-P16Z*	*37-P17Z*	*37-P18AY*	*37-P18BZ*	*37-P19Z*	*37-P20Z*	*37-21E*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*6–6*	*5–5*	*5–5*	*6–6*	*5.5–5.5*	*6–6*	*5.5–5.5*	*6–6*	*5.5–5.5*	*5.5–5.5*	*6–6*	*6–6*	*7–7*
Sample Date	*18-Aug-97*	*09-Feb-95*	*09-Feb-95*	*18-Aug-97*	*18-Aug-97*	*22-Aug-97*	*22-Aug-97*	*22-Aug-97*	*19-Aug-97*	*18-Aug-97*	*18-Aug-97*	*19-Aug-97*	*29-Jun-95*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Metals (mg/kg) (cont.)													
manganese													
mercury													
molybdenum													
nickel													
potassium													
selenium													
silver													
sodium													
thallium													
vanadium													
zinc													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	***138***	***138***	***138***	***138***	***138***	***138***	***138***	***138***	***138***	***138***	***138***	***138***	***138***	***138***
Station ID	***37-21SE***	***37-21SW***	***37-21W***	***37-22E***	***37-22NE***	***37-22NW***	***37-22W***	***37-23N***	***37-23SE***	***37-23SW***	***37-24N***	***37-25-MOJ***	***37-27-MOJ***
Sample ID	***37-21SE***	***37-21SW***	***37-21W***	***37-22E***	***37-22-NE***	***37-22NW***	***37-22W***	***37-23N***	***37-23SE***	***37-23SW***	***37-24N***	***37-P25Z***	***37-P27Z***
Sample Type	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***
Depth Interval (feet bgs)	***7–7***	***7–7***	***7–7***	***7–7***	***7–7***	***7–7***	***7–7***	***6–6***	***6–6***	***6–6***	***6–6***	***6–6***	***6.5–6.5***
Sample Date	***29-Jun-95***	***29-Jun-95***	***29-Jun-95***	***29-Jun-95***	***29-Jun-95***	***29-Jun-95***	***29-Jun-95***	***13-Jul-95***	***13-Jul-95***	***13-Jul-95***	***13-Jul-95***	***19-Aug-97***	***21-Aug-97***
Reference	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***
Volatile Organic Compounds (µg/kg)													
acetone													
benzene	*5 U*	*5 U*	*5 U*	*25 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*25 U*	*50 U*	*5 U*	*5 U*
bromobenzene													
bromochloromethane													
bromodichloromethane													
bromoform													
bromomethane													
2-butanone													
n-butylbenzene													
sec-butylbenzene													
tert-butylbenzene													
carbon disulfide													
carbon tetrachloride													
chlorobenzene													
chlorodibromomethane													
chloroethane													
chloroform													
chloromethane													
2-chlorotoluene													
4-chlorotoluene													
1,2-dibromo-3-chloropropane													
1,2-dibromoethane													
dibromomethane													
1,2-dichlorobenzene													
1,3-dichlorobenzene													
1,4-dichlorobenzene													
dichlorodifluoromethane													
1,1-dichloroethane													
1,2-dichloroethane													
1,1-dichloroethene													
cis-1,2-dichloroethene													
trans-1,2-dichloroethene													
1,2-dichloroethene													
1,2-dichloropropane													
1,3-dichloropropane													
sec-dichloropropane													
1,1-dichloropropene													
cis-1,3-dichloropropene													
trans-1,3-dichloropropene													
ethylbenzene	*5 U*	*5 U*	*5 U*	*25 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*25 U*	*50 U*	*5 U*	*5 U*
n-hexane													
2-hexanone													
isopropylbenzene													
p-isopropyltoluene													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-21SE*	*37-21SW*	*37-21W*	*37-22E*	*37-22NE*	*37-22NW*	*37-22W*	*37-23N*	*37-23SE*	*37-23SW*	*37-24N*	*37-25-MOJ*	*37-27-MOJ*
Sample ID	*37-21SE*	*37-21SW*	*37-21W*	*37-22E*	*37-22-NE*	*37-22NW*	*37-22W*	*37-23N*	*37-23SE*	*37-23SW*	*37-24N*	*37-P25Z*	*37-P27Z*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*7–7*	*7–7*	*7–7*	*7–7*	*7–7*	*7–7*	*7–7*	*6–6*	*6–6*	*6–6*	*6–6*	*6–6*	*6.5–6.5*
Sample Date	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*13-Jul-95*	*13-Jul-95*	*13-Jul-95*	*13-Jul-95*	*19-Aug-97*	*21-Aug-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Volatile Organic Compounds (µg/kg) (cont.)													
methyl tert-butyl ether												*50 U*	*50 U*
methylene chloride													
4-methyl-2-pentanone													
n-propylbenzene													
styrene													
1,1,1,2-tetrachloroethane													
1,1,2,2-tetrachloroethane													
tetrachloroethene													
toluene	*5 U*	*5 U*	*5 U*	*25 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*25 U*	*50 U*	*5 U*	*5 U*
1,2,3-trichlorobenzene													
1,2,4-trichlorobenzene													
1,1,1-trichloroethane													
1,1,2-trichloroethane													
trichloroethene													
trichlorofluoromethane													
1,2,3-trichloropropane													
1,1,2-trichloro-1,2,2-trifluoroethane													
1,2,4-trimethylbenzene													
1,3,5-trimethylbenzene													
vinyl acetate													
vinyl chloride													
meta-,para-xylene													
m-, p-xylene													
o-xylene													
xylenes, total	*5 U*	*5 U*	*5 U*	*25 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*25 U*	*50 U*	*5 U*	*5 U*
Petroleum Hydrocarbons (µg/kg)													
diesel	*850,000*	*74,000*	*50,000 U*	*130,000*	*14,000*	*1,900*	*16,000*	*13,000*	*7,700*	*53,000*	*76,000*	*1,000 U*	*3,000*
gasoline	*1,000 U*	*1,000 U*	*1,000 U*	*11,000*	*1,000 U*	*1,000 U*		*1,000 U*	*1,800*	*13,000*	*43,000*	*1,000 U*	*1,000 U*
jet fuel #5 (JP5)	*200,000 U*	*20,000 U*	*130,000*	*4,300,000*	*3,500*	*1,000 U*	*10,000 U*	*2,400*	*5,000*	*38,000*	*59,000*	*1,000 U*	*1,000 U*
JP-5													
motor oil	*3,500,000*	*840,000*	*740,000*	*420,000*	*69,000*	*10,000 U*	*260,000*	*80,000*	*10,000 U*	*59,000*	*50,000 U*	*10,000 U*	*10,000 U*
oil and grease													
Semivolatile Organic Compounds (µg/kg)													
acenaphthene													
acenaphthylene													
aniline													
anthracene													
benz(a)anthracene										*260*			
benzidine													
benzo(b)fluoranthene										*250*			
benzo(k)fluoranthene													
benzo(g,h,i)perylene													
benzo(a)pyrene													
benzyl alcohol													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-21SE*	*37-21SW*	*37-21W*	*37-22E*	*37-22NE*	*37-22NW*	*37-22W*	*37-23N*	*37-23SE*	*37-23SW*	*37-24N*	*37-25-MOJ*	*37-27-MOJ*
Sample ID	*37-21SE*	*37-21SW*	*37-21W*	*37-22E*	*37-22-NE*	*37-22NW*	*37-22W*	*37-23N*	*37-23SE*	*37-23SW*	*37-24N*	*37-P25Z*	*37-P27Z*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*7–7*	*7–7*	*7–7*	*7–7*	*7–7*	*7–7*	*7–7*	*6–6*	*6–6*	*6–6*	*6–6*	*6–6*	*6.5–6.5*
Sample Date	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*13-Jul-95*	*13-Jul-95*	*13-Jul-95*	*13-Jul-95*	*19-Aug-97*	*21-Aug-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/kg) (cont.)														
bis(2-chloroethoxy)methane														
bis(2-chloroethyl)ether														
bis(2-chloro-1-methylethyl)ether														
bis(2-ethylhexyl)phthalate														
4-bromophenyl phenyl ether														
butyl benzyl phthalate														
carbazole														
4-chloroaniline														
4-chloro-3-methylphenol														
2-chloronaphthalene														
2-chlorophenol														
4-chlorophenyl phenyl ether														
chrysene										*280*				
dibenz(a,h)anthracene														
di-n-butyl phthalate														
dibenzofuran														
1,2-dichlorobenzene														
1,3-dichlorobenzene														
1,4-dichlorobenzene														
3,3'-dichlorobenzidine														
2,4-dichlorophenol														
diethyl phthalate														
2,4-dimethylphenol														
dimethyl phthalate														
4,6-dinitro-2-methylphenol														
2,4-dinitrophenol														
2,4-dinitrotoluene														
2,6-dinitrotoluene														
di-n-octyl phthalate														
fluoranthene				*44,000*						*550*				
fluorene														
hexachlorobenzene														
hexachlorobutadiene														
hexachlorocyclopentadiene														
hexachloroethane														
indeno(1,2,3-cd)pyrene														
isophorone														
2-methylnaphthalene														
2-methylphenol														
4-methylphenol														
naphthalene														
2-nitroaniline														
3-nitroaniline														
4-nitroaniline														

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-21SE*	*37-21SW*	*37-21W*	*37-22E*	*37-22NE*	*37-22NW*	*37-22W*	*37-23N*	*37-23SE*	*37-23SW*	*37-24N*	*37-25-MOJ*	*37-27-MOJ*
Sample ID	*37-21SE*	*37-21SW*	*37-21W*	*37-22E*	*37-22-NE*	*37-22NW*	*37-22W*	*37-23N*	*37-23SE*	*37-23SW*	*37-24N*	*37-P25Z*	*37-P27Z*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*7–7*	*7–7*	*7–7*	*7–7*	*7–7*	*7–7*	*7–7*	*6–6*	*6–6*	*6–6*	*6–6*	*6–6*	*6.5–6.5*
Sample Date	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*13-Jul-95*	*13-Jul-95*	*13-Jul-95*	*13-Jul-95*	*19-Aug-97*	*21-Aug-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/kg) (cont.)														
nitrobenzene														
4-nitrophenol														
2-nitrophenol														
N-nitrosodimethylamine														
N-nitrosodiphenylamine														
N-nitroso-di-n-propylamine														
pentachlorophenol														
phenanthrene				*32,000*										
phenol														
pyrene				*47,000*						*550*				
1,2,4-trichlorobenzene														
2,4,5-trichlorophenol														
2,4,6-trichlorophenol														
Pesticides/Polychlorinated Biphenyls (µg/kg)														
aldrin														
Aroclor 1016														
Aroclor 1221														
Aroclor 1232														
Aroclor 1242														
Aroclor 1248														
Aroclor 1254														
Aroclor 1260														
alpha-BHC														
beta-BHC														
delta-BHC														
gamma-BHC (lindane)														
alpha-chlordane														
gamma-chlordane														
4,4´-DDD														
4,4´-DDE														
4,4´-DDT														
dieldrin														
endosulfan I														
endosulfan II														
endosulfan sulfate														
endrin														
endrin aldehyde														
endrin ketone														
heptachlor														
heptachlor epoxide														
methoxychlor														
toxaphene														
Dioxins/Furans (µg/kg)														
heptachlorodibenzo-p-dioxins														

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-21SE*	*37-21SW*	*37-21W*	*37-22E*	*37-22NE*	*37-22NW*	*37-22W*	*37-23N*	*37-23SE*	*37-23SW*	*37-24N*	*37-25-MOJ*	*37-27-MOJ*
Sample ID	*37-21SE*	*37-21SW*	*37-21W*	*37-22E*	*37-22-NE*	*37-22NW*	*37-22W*	*37-23N*	*37-23SE*	*37-23SW*	*37-24N*	*37-P25Z*	*37-P27Z*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*7–7*	*7–7*	*7–7*	*7–7*	*7–7*	*7–7*	*7–7*	*6–6*	*6–6*	*6–6*	*6–6*	*6–6*	*6.5–6.5*
Sample Date	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*13-Jul-95*	*13-Jul-95*	*13-Jul-95*	*13-Jul-95*	*19-Aug-97*	*21-Aug-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Dioxins/Furans (µg/kg) (cont.)														
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin														
heptachlorodibenzofurans														
1,2,3,4,6,7,8-heptachlorodibenzofuran														
1,2,3,4,7,8,9-heptachlorodibenzofuran														
hexachlorodibenzo-p-dioxins														
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin														
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin														
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin														
hexachlorodibenzofurans														
1,2,3,4,7,8-hexachlorodibenzofuran														
1,2,3,6,7,8-hexachlorodibenzofuran														
1,2,3,7,8,9-hexachlorodibenzofuran														
2,3,4,6,7,8-hexachlorodibenzofuran														
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin														
1,2,3,4,6,7,8,9-octachlorodibenzofuran														
pentachlorodibenzo-p-dioxins														
1,2,3,7,8-pentachlorodibenzo-p-dioxin														
pentachlorodibenzofurans														
1,2,3,7,8-pentachlorodibenzofuran														
2,3,4,7,8-pentachlorodibenzofuran														
tetrachlorodibenzo-p-dioxins														
2,3,7,8-tetrachlorodibenzo-p-dioxin														
tetrachlorodibenzofurans														
2,3,7,8-tetrachlorodibenzofuran														
Organotins (µg/kg)														
dibutyltin														
monobutyltin														
tetrabutyltin														
tributyltin														
Metals (mg/kg)														
aluminum														
antimony														
arsenic														
barium														
beryllium														
cadmium														
calcium														
chromium														
cobalt														
copper														
iron														
lead														
tetraethyllead														
magnesium														

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-21SE*	*37-21SW*	*37-21W*	*37-22E*	*37-22NE*	*37-22NW*	*37-22W*	*37-23N*	*37-23SE*	*37-23SW*	*37-24N*	*37-25-MOJ*	*37-27-MOJ*
Sample ID	*37-21SE*	*37-21SW*	*37-21W*	*37-22E*	*37-22-NE*	*37-22NW*	*37-22W*	*37-23N*	*37-23SE*	*37-23SW*	*37-24N*	*37-P25Z*	*37-P27Z*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*7–7*	*7–7*	*7–7*	*7–7*	*7–7*	*7–7*	*7–7*	*6–6*	*6–6*	*6–6*	*6–6*	*6–6*	*6.5–6.5*
Sample Date	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*29-Jun-95*	*13-Jul-95*	*13-Jul-95*	*13-Jul-95*	*13-Jul-95*	*19-Aug-97*	*21-Aug-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Metals (mg/kg) (cont.)														
manganese														
mercury														
molybdenum														
nickel														
potassium														
selenium														
silver														
sodium														
thallium														
vanadium														
zinc														

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-28-MOJ*	*37-2-MOJ*	*37-3-MOJ*	*37-41-MOJ*	*37-4-MOJ*	*37-5-MOJ*	*37-6-MOJ*	*37-79-MOJ*	*37-80-MOJ*	*37-81-MOJ*	*37-82-MOJ*	*37-83-MOJ*	*37-84-MOJ*
Sample ID	*37-P28Z*	*37-P2Z*	*37-P3Z*	*37-P41Z*	*37-P4Z*	*37-P5Z*	*37-P6Z*	*37-P79Z*	*37-P80Z*	*37-P81Z*	*37-P82Z*	*37-P83Z*	*37-P84Z*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*6.5–6.5*	*6–6*	*6–6*	*5.5–5.5*	*5.5–5.5*	*6–6*	*5.5–5.5*	*5–5*	*5–5*	*5–5*	*5–5*	*5–5*	*5–5*
Sample Date	*22-Aug-97*	*21-Aug-97*	*21-Aug-97*	*04-Sep-97*	*21-Aug-97*	*22-Aug-97*	*19-Aug-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Volatile Organic Compounds (µg/kg)													
acetone													
benzene	*5 U*	*5 U*	*5 U*	*0.5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
bromobenzene													
bromochloromethane													
bromodichloromethane													
bromoform													
bromomethane													
2-butanone													
n-butylbenzene													
sec-butylbenzene													
tert-butylbenzene													
carbon disulfide													
carbon tetrachloride													
chlorobenzene													
chlorodibromomethane													
chloroethane													
chloroform													
chloromethane													
2-chlorotoluene													
4-chlorotoluene													
1,2-dibromo-3-chloropropane													
1,2-dibromoethane													
dibromomethane													
1,2-dichlorobenzene													
1,3-dichlorobenzene													
1,4-dichlorobenzene													
dichlorodifluoromethane													
1,1-dichloroethane													
1,2-dichloroethane													
1,1-dichloroethene													
cis-1,2-dichloroethene													
trans-1,2-dichloroethene													
1,2-dichloroethene													
1,2-dichloropropane													
1,3-dichloropropane													
sec-dichloropropane													
1,1-dichloropropene													
cis-1,3-dichloropropene													
trans-1,3-dichloropropene													
ethylbenzene	*5 U*	*5 U*	*5 U*	*0.5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
n-hexane													
2-hexanone													
isopropylbenzene													
p-isopropyltoluene													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-28-MOJ*	*37-2-MOJ*	*37-3-MOJ*	*37-41-MOJ*	*37-4-MOJ*	*37-5-MOJ*	*37-6-MOJ*	*37-79-MOJ*	*37-80-MOJ*	*37-81-MOJ*	*37-82-MOJ*	*37-83-MOJ*	*37-84-MOJ*
Sample ID	*37-P28Z*	*37-P2Z*	*37-P3Z*	*37-P41Z*	*37-P4Z*	*37-P5Z*	*37-P6Z*	*37-P79Z*	*37-P80Z*	*37-P81Z*	*37-P82Z*	*37-P83Z*	*37-P84Z*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*6.5–6.5*	*6–6*	*6–6*	*5.5–5.5*	*5.5–5.5*	*6–6*	*5.5–5.5*	*5–5*	*5–5*	*5–5*	*5–5*	*5–5*	*5–5*
Sample Date	*22-Aug-97*	*21-Aug-97*	*21-Aug-97*	*04-Sep-97*	*21-Aug-97*	*22-Aug-97*	*19-Aug-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Volatile Organic Compounds (µg/kg) (cont.)													
methyl tert-butyl ether	*50 U*	*50 U*	*50 U*	*5 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
methylene chloride													
4-methyl-2-pentanone													
n-propylbenzene													
styrene													
1,1,1,2-tetrachloroethane													
1,1,2,2-tetrachloroethane													
tetrachloroethene													
toluene	*5 U*	*5 U*	*5 U*	*0.5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-trichlorobenzene													
1,2,4-trichlorobenzene													
1,1,1-trichloroethane													
1,1,2-trichloroethane													
trichloroethene													
trichlorofluoromethane													
1,2,3-trichloropropane													
1,1,2-trichloro-1,2,2-trifluoroethane													
1,2,4-trimethylbenzene													
1,3,5-trimethylbenzene													
vinyl acetate													
vinyl chloride													
meta-,para-xylene													
m-, p-xylene													
o-xylene													
xylenes, total	*5 U*	*5 U*	*5 U*	*0.5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Petroleum Hydrocarbons (µg/kg)													
diesel	*1,000 U*	*1,000 U*	*1,000 U*	*50 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*
gasoline	*1,000 U*	*1,000 U*	*1,000 U*	*50 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*
jet fuel #5 (JP5)	*1,000 U*	*1,000 U*	*1,000 U*	*50 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*
JP-5													
motor oil	*10,000 U*	*10,000 U*	*10,000 U*	*250 U*	*10,000 U*	*10,000 U*	*10,000 U*	*10,000 U*	*10,000 U*	*10,000 U*	*10,000 U*	*10,000 U*	*10,000 U*
oil and grease													
Semivolatile Organic Compounds (µg/kg)													
acenaphthene													
acenaphthylene													
aniline													
anthracene													
benz(a)anthracene													
benzidine													
benzo(b)fluoranthene													
benzo(k)fluoranthene													
benzo(g,h,i)perylene													
benzo(a)pyrene													
benzyl alcohol													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-28-MOJ*	*37-2-MOJ*	*37-3-MOJ*	*37-41-MOJ*	*37-4-MOJ*	*37-5-MOJ*	*37-6-MOJ*	*37-79-MOJ*	*37-80-MOJ*	*37-81-MOJ*	*37-82-MOJ*	*37-83-MOJ*	*37-84-MOJ*
Sample ID	*37-P28Z*	*37-P2Z*	*37-P3Z*	*37-P41Z*	*37-P4Z*	*37-P5Z*	*37-P6Z*	*37-P79Z*	*37-P80Z*	*37-P81Z*	*37-P82Z*	*37-P83Z*	*37-P84Z*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*6.5–6.5*	*6–6*	*6–6*	*5.5–5.5*	*5.5–5.5*	*6–6*	*5.5–5.5*	*5–5*	*5–5*	*5–5*	*5–5*	*5–5*	*5–5*
Sample Date	*22-Aug-97*	*21-Aug-97*	*21-Aug-97*	*04-Sep-97*	*21-Aug-97*	*22-Aug-97*	*19-Aug-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/kg) (cont.)													
bis(2-chloroethoxy)methane													
bis(2-chloroethyl)ether													
bis(2-chloro-1-methylethyl)ether													
bis(2-ethylhexyl)phthalate													
4-bromophenyl phenyl ether													
butyl benzyl phthalate													
carbazole													
4-chloroaniline													
4-chloro-3-methylphenol													
2-chloronaphthalene													
2-chlorophenol													
4-chlorophenyl phenyl ether													
chrysene													
dibenz(a,h)anthracene													
di-n-butyl phthalate													
dibenzofuran													
1,2-dichlorobenzene													
1,3-dichlorobenzene													
1,4-dichlorobenzene													
3,3'-dichlorobenzidine													
2,4-dichlorophenol													
diethyl phthalate													
2,4-dimethylphenol													
dimethyl phthalate													
4,6-dinitro-2-methylphenol													
2,4-dinitrophenol													
2,4-dinitrotoluene													
2,6-dinitrotoluene													
di-n-octyl phthalate													
fluoranthene													
fluorene													
hexachlorobenzene													
hexachlorobutadiene													
hexachlorocyclopentadiene													
hexachloroethane													
indeno(1,2,3-cd)pyrene													
isophorone													
2-methylnaphthalene													
2-methylphenol													
4-methylphenol													
naphthalene													
2-nitroaniline													
3-nitroaniline													
4-nitroaniline													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-28-MOJ*	*37-2-MOJ*	*37-3-MOJ*	*37-41-MOJ*	*37-4-MOJ*	*37-5-MOJ*	*37-6-MOJ*	*37-79-MOJ*	*37-80-MOJ*	*37-81-MOJ*	*37-82-MOJ*	*37-83-MOJ*	*37-84-MOJ*
Sample ID	*37-P28Z*	*37-P2Z*	*37-P3Z*	*37-P41Z*	*37-P4Z*	*37-P5Z*	*37-P6Z*	*37-P79Z*	*37-P80Z*	*37-P81Z*	*37-P82Z*	*37-P83Z*	*37-P84Z*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*6.5–6.5*	*6–6*	*6–6*	*5.5–5.5*	*5.5–5.5*	*6–6*	*5.5–5.5*	*5–5*	*5–5*	*5–5*	*5–5*	*5–5*	*5–5*
Sample Date	*22-Aug-97*	*21-Aug-97*	*21-Aug-97*	*04-Sep-97*	*21-Aug-97*	*22-Aug-97*	*19-Aug-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/kg) (cont.)													
nitrobenzene													
4-nitrophenol													
2-nitrophenol													
N-nitrosodimethylamine													
N-nitrosodiphenylamine													
N-nitroso-di-n-propylamine													
pentachlorophenol													
phenanthrene													
phenol													
pyrene													
1,2,4-trichlorobenzene													
2,4,5-trichlorophenol													
2,4,6-trichlorophenol													
Pesticides/Polychlorinated Biphenyls (µg/kg)													
aldrin													
Aroclor 1016													
Aroclor 1221													
Aroclor 1232													
Aroclor 1242													
Aroclor 1248													
Aroclor 1254													
Aroclor 1260													
alpha-BHC													
beta-BHC													
delta-BHC													
gamma-BHC (lindane)													
alpha-chlordane													
gamma-chlordane													
4,4´-DDD													
4,4´-DDE													
4,4´-DDT													
dieldrin													
endosulfan I													
endosulfan II													
endosulfan sulfate													
endrin													
endrin aldehyde													
endrin ketone													
heptachlor													
heptachlor epoxide													
methoxychlor													
toxaphene													
Dioxins/Furans (µg/kg)													
heptachlorodibenzo-p-dioxins													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-28-MOJ*	*37-2-MOJ*	*37-3-MOJ*	*37-41-MOJ*	*37-4-MOJ*	*37-5-MOJ*	*37-6-MOJ*	*37-79-MOJ*	*37-80-MOJ*	*37-81-MOJ*	*37-82-MOJ*	*37-83-MOJ*	*37-84-MOJ*
Sample ID	*37-P28Z*	*37-P2Z*	*37-P3Z*	*37-P41Z*	*37-P4Z*	*37-P5Z*	*37-P6Z*	*37-P79Z*	*37-P80Z*	*37-P81Z*	*37-P82Z*	*37-P83Z*	*37-P84Z*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*6.5–6.5*	*6–6*	*6–6*	*5.5–5.5*	*5.5–5.5*	*6–6*	*5.5–5.5*	*5–5*	*5–5*	*5–5*	*5–5*	*5–5*	*5–5*
Sample Date	*22-Aug-97*	*21-Aug-97*	*21-Aug-97*	*04-Sep-97*	*21-Aug-97*	*22-Aug-97*	*19-Aug-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Dioxins/Furans (µg/kg) (cont.)														
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin														
heptachlorodibenzofurans														
1,2,3,4,6,7,8-heptachlorodibenzofuran														
1,2,3,4,7,8,9-heptachlorodibenzofuran														
hexachlorodibenzo-p-dioxins														
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin														
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin														
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin														
hexachlorodibenzofurans														
1,2,3,4,7,8-hexachlorodibenzofuran														
1,2,3,6,7,8-hexachlorodibenzofuran														
1,2,3,7,8,9-hexachlorodibenzofuran														
2,3,4,6,7,8-hexachlorodibenzofuran														
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin														
1,2,3,4,6,7,8,9-octachlorodibenzofuran														
pentachlorodibenzo-p-dioxins														
1,2,3,7,8-pentachlorodibenzo-p-dioxin														
pentachlorodibenzofurans														
1,2,3,7,8-pentachlorodibenzofuran														
2,3,4,7,8-pentachlorodibenzofuran														
tetrachlorodibenzo-p-dioxins														
2,3,7,8-tetrachlorodibenzo-p-dioxin														
tetrachlorodibenzofurans														
2,3,7,8-tetrachlorodibenzofuran														
Organotins (µg/kg)														
dibutyltin														
monobutyltin														
tetrabutyltin														
tributyltin														
Metals (mg/kg)														
aluminum														
antimony														
arsenic														
barium														
beryllium														
cadmium														
calcium														
chromium														
cobalt														
copper														
iron														
lead														
tetraethyllead														
magnesium														

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-28-MOJ*	*37-2-MOJ*	*37-3-MOJ*	*37-41-MOJ*	*37-4-MOJ*	*37-5-MOJ*	*37-6-MOJ*	*37-79-MOJ*	*37-80-MOJ*	*37-81-MOJ*	*37-82-MOJ*	*37-83-MOJ*	*37-84-MOJ*
Sample ID	*37-P28Z*	*37-P2Z*	*37-P3Z*	*37-P41Z*	*37-P4Z*	*37-P5Z*	*37-P6Z*	*37-P79Z*	*37-P80Z*	*37-P81Z*	*37-P82Z*	*37-P83Z*	*37-P84Z*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*6.5–6.5*	*6–6*	*6–6*	*5.5–5.5*	*5.5–5.5*	*6–6*	*5.5–5.5*	*5–5*	*5–5*	*5–5*	*5–5*	*5–5*	*5–5*
Sample Date	*22-Aug-97*	*21-Aug-97*	*21-Aug-97*	*04-Sep-97*	*21-Aug-97*	*22-Aug-97*	*19-Aug-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*	*03-Oct-97*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Metals (mg/kg) (cont.)													
manganese													
mercury													
molybdenum													
nickel													
potassium													
selenium													
silver													
sodium													
thallium													
vanadium													
zinc													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	138	138	138	138	138	138	138	138	138	138	138	138	138
Station ID	37-9M	37-9NE	37-9NE1	37-9NW	37-9W	37-MJ-MW1	37-MJ-MW2	37-MJ-MW-4	37-MJ-MW-5	37-MJ-MW6	37-MJ-MW7	EP138-01	EP138-01
Sample ID	37-9M	37-9NE	37-9NE1	37-9NW	37-9W	37-MJ-MW-1W	37-MJ-MW-2W	37-MJ-MW-4W	37-MJ-MW-5W	37-MJ-MW-6Y	37-MJ-MW-7Y	030-CAP-156	030-CAP-157
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	4–4	4–4	4–4	4–4	4–4	5.5–5.5	5–5	5.5–5.5	5.5–5.5	5.5–5.5	5.5–5.5	2–2.5	2.5–3
Sample Date	02-Jun-95	03-May-95	02-Jun-95	02-Jun-95	03-Feb-95	28-Oct-97	28-Oct-97	29-Oct-97	29-Oct-97	29-Oct-97	03-Nov-97	01-May-00	01-May-00
Reference	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004
Volatile Organic Compounds (µg/kg)													
acetone													
benzene	5 U	5 U	250 U	5 U	9.7	1 U	1 U	1 U	1 U	1 U	1 U		
bromobenzene													
bromochloromethane													
bromodichloromethane													
bromoform													
bromomethane													
2-butanone													
n-butylbenzene													
sec-butylbenzene													
tert-butylbenzene													
carbon disulfide													
carbon tetrachloride													
chlorobenzene													
chlorodibromomethane													
chloroethane													
chloroform													
chloromethane													
2-chlorotoluene													
4-chlorotoluene													
1,2-dibromo-3-chloropropane													
1,2-dibromoethane													
dibromomethane													
1,2-dichlorobenzene													
1,3-dichlorobenzene													
1,4-dichlorobenzene													
dichlorodifluoromethane													
1,1-dichloroethane													
1,2-dichloroethane													
1,1-dichloroethene													
cis-1,2-dichloroethene													
trans-1,2-dichloroethene													
1,2-dichloroethene													
1,2-dichloropropane													
1,3-dichloropropane													
sec-dichloropropane													
1,1-dichloropropene													
cis-1,3-dichloropropene													
trans-1,3-dichloropropene													
ethylbenzene	5 U	5 U	250 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U		
n-hexane													
2-hexanone													
isopropylbenzene													
p-isopropyltoluene													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-9M*	*37-9NE*	*37-9NE1*	*37-9NW*	*37-9W*	*37-MJ-MW1*	*37-MJ-MW2*	*37-MJ-MW-4*	*37-MJ-MW-5*	*37-MJ-MW6*	*37-MJ-MW7*	*EP138-01*	*EP138-01*
Sample ID	*37-9M*	*37-9NE*	*37-9NE1*	*37-9NW*	*37-9W*	*37-MJ-MW-1W*	*37-MJ-MW-2W*	*37-MJ-MW-4W*	*37-MJ-MW-5W*	*37-MJ-MW-6Y*	*37-MJ-MW-7Y*	*030-CAP-156*	*030-CAP-157*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*4–4*	*4–4*	*4–4*	*4–4*	*4–4*	*5.5–5.5*	*5–5*	*5.5–5.5*	*5.5–5.5*	*5.5–5.5*	*5.5–5.5*	*2–2.5*	*2.5–3*
Sample Date	*02-Jun-95*	*03-May-95*	*02-Jun-95*	*02-Jun-95*	*03-Feb-95*	*28-Oct-97*	*28-Oct-97*	*29-Oct-97*	*29-Oct-97*	*29-Oct-97*	*03-Nov-97*	*01-May-00*	*01-May-00*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Volatile Organic Compounds (µg/kg) (cont.)													
methyl tert-butyl ether						*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*		
methylene chloride													
4-methyl-2-pentanone													
n-propylbenzene													
styrene													
1,1,1,2-tetrachloroethane													
1,1,2,2-tetrachloroethane													
tetrachloroethene													
toluene	*5 U*	*5 U*	*250 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*		
1,2,3-trichlorobenzene													
1,2,4-trichlorobenzene													
1,1,1-trichloroethane													
1,1,2-trichloroethane													
trichloroethene													
trichlorofluoromethane													
1,2,3-trichloropropane													
1,1,2-trichloro-1,2,2-trifluoroethane													
1,2,4-trimethylbenzene													
1,3,5-trimethylbenzene													
vinyl acetate													
vinyl chloride													
meta-,para-xylene													
m-, p-xylene													
o-xylene													
xylenes, total	*5 U*	*5 U*	*250 U*	*5 U*	*5 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*		
Petroleum Hydrocarbons (µg/kg)													
diesel	*6,300*	*1,700*	*220,000*	*19,000*	*1,000 U*	*42,000*	*5,000 U*	*5,000 U*	*5,000 U*	*5,000 U*	*5,000 U*		
gasoline	*1,000 U*	*1,000 U*	*70,000*	*1,000 U*	*1,000*	*200 U*	*200 U*	*200 U*	*200 U*	*200 U*	*200 U*		
jet fuel #5 (JP5)	*3,200*	*1,000 U*	*230,000*	*5,800*	*1,000 U*	*50,000 U*	*10,000 U*	*10,000 U*	*10,000 U*	*10,000 U*	*10,000 U*		
JP-5													
motor oil	*18,000*	*10,000 U*	*50,000 U*	*84,000*	*10,000 U*								
oil and grease													
Semivolatile Organic Compounds (µg/kg)													
acenaphthene													
acenaphthylene													
aniline													
anthracene													
benz(a)anthracene													
benzidine													
benzo(b)fluoranthene													
benzo(k)fluoranthene													
benzo(g,h,i)perylene													
benzo(a)pyrene													
benzyl alcohol													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-9M*	*37-9NE*	*37-9NE1*	*37-9NW*	*37-9W*	*37-MJ-MW1*	*37-MJ-MW2*	*37-MJ-MW-4*	*37-MJ-MW-5*	*37-MJ-MW6*	*37-MJ-MW7*	*EP138-01*	*EP138-01*
Sample ID	*37-9M*	*37-9NE*	*37-9NE1*	*37-9NW*	*37-9W*	*37-MJ-MW-1W*	*37-MJ-MW-2W*	*37-MJ-MW-4W*	*37-MJ-MW-5W*	*37-MJ-MW-6Y*	*37-MJ-MW-7Y*	*030-CAP-156*	*030-CAP-157*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*4–4*	*4–4*	*4–4*	*4–4*	*4–4*	*5.5–5.5*	*5–5*	*5.5–5.5*	*5.5–5.5*	*5.5–5.5*	*5.5–5.5*	*2–2.5*	*2.5–3*
Sample Date	*02-Jun-95*	*03-May-95*	*02-Jun-95*	*02-Jun-95*	*03-Feb-95*	*28-Oct-97*	*28-Oct-97*	*29-Oct-97*	*29-Oct-97*	*29-Oct-97*	*03-Nov-97*	*01-May-00*	*01-May-00*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/kg) (cont.)													
bis(2-chloroethoxy)methane													
bis(2-chloroethyl)ether													
bis(2-chloro-1-methylethyl)ether													
bis(2-ethylhexyl)phthalate													
4-bromophenyl phenyl ether													
butyl benzyl phthalate													
carbazole													
4-chloroaniline													
4-chloro-3-methylphenol													
2-chloronaphthalene													
2-chlorophenol													
4-chlorophenyl phenyl ether													
chrysene													
dibenz(a,h)anthracene													
di-n-butyl phthalate													
dibenzofuran													
1,2-dichlorobenzene													
1,3-dichlorobenzene													
1,4-dichlorobenzene													
3,3'-dichlorobenzidine													
2,4-dichlorophenol													
diethyl phthalate													
2,4-dimethylphenol													
dimethyl phthalate													
4,6-dinitro-2-methylphenol													
2,4-dinitrophenol													
2,4-dinitrotoluene													
2,6-dinitrotoluene													
di-n-octyl phthalate													
fluoranthene													
fluorene													
hexachlorobenzene													
hexachlorobutadiene													
hexachlorocyclopentadiene													
hexachloroethane													
indeno(1,2,3-cd)pyrene													
isophorone													
2-methylnaphthalene													
2-methylphenol													
4-methylphenol													
naphthalene													
2-nitroaniline													
3-nitroaniline													
4-nitroaniline													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-9M*	*37-9NE*	*37-9NE1*	*37-9NW*	*37-9W*	*37-MJ-MW1*	*37-MJ-MW2*	*37-MJ-MW-4*	*37-MJ-MW-5*	*37-MJ-MW6*	*37-MJ-MW7*	*EP138-01*	*EP138-01*
Sample ID	*37-9M*	*37-9NE*	*37-9NE1*	*37-9NW*	*37-9W*	*37-MJ-MW-1W*	*37-MJ-MW-2W*	*37-MJ-MW-4W*	*37-MJ-MW-5W*	*37-MJ-MW-6Y*	*37-MJ-MW-7Y*	*030-CAP-156*	*030-CAP-157*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*4–4*	*4–4*	*4–4*	*4–4*	*4–4*	*5.5–5.5*	*5–5*	*5.5–5.5*	*5.5–5.5*	*5.5–5.5*	*5.5–5.5*	*2–2.5*	*2.5–3*
Sample Date	*02-Jun-95*	*03-May-95*	*02-Jun-95*	*02-Jun-95*	*03-Feb-95*	*28-Oct-97*	*28-Oct-97*	*29-Oct-97*	*29-Oct-97*	*29-Oct-97*	*03-Nov-97*	*01-May-00*	*01-May-00*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/kg) (cont.)													
nitrobenzene													
4-nitrophenol													
2-nitrophenol													
N-nitrosodimethylamine													
N-nitrosodiphenylamine													
N-nitroso-di-n-propylamine													
pentachlorophenol													
phenanthrene													
phenol													
pyrene													
1,2,4-trichlorobenzene													
2,4,5-trichlorophenol													
2,4,6-trichlorophenol													
Pesticides/Polychlorinated Biphenyls (µg/kg)													
aldrin													
Aroclor 1016												*17 UJ*	*16 UJ*
Aroclor 1221												*35 UJ*	*34 UJ*
Aroclor 1232												*17 UJ*	*16 UJ*
Aroclor 1242												*17 UJ*	*16 UJ*
Aroclor 1248												*17 UJ*	*16 UJ*
Aroclor 1254												*17 UJ*	*16 UJ*
Aroclor 1260												*24 J*	*16 UJ*
alpha-BHC													
beta-BHC													
delta-BHC													
gamma-BHC (lindane)													
alpha-chlordane													
gamma-chlordane													
4,4´-DDD													
4,4´-DDE													
4,4´-DDT													
dieldrin													
endosulfan I													
endosulfan II													
endosulfan sulfate													
endrin													
endrin aldehyde													
endrin ketone													
heptachlor													
heptachlor epoxide													
methoxychlor													
toxaphene													
Dioxins/Furans (µg/kg)													
heptachlorodibenzo-p-dioxins													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-9M*	*37-9NE*	*37-9NE1*	*37-9NW*	*37-9W*	*37-MJ-MW1*	*37-MJ-MW2*	*37-MJ-MW-4*	*37-MJ-MW-5*	*37-MJ-MW6*	*37-MJ-MW7*	*EP138-01*	*EP138-01*
Sample ID	*37-9M*	*37-9NE*	*37-9NE1*	*37-9NW*	*37-9W*	*37-MJ-MW-1W*	*37-MJ-MW-2W*	*37-MJ-MW-4W*	*37-MJ-MW-5W*	*37-MJ-MW-6Y*	*37-MJ-MW-7Y*	*030-CAP-156*	*030-CAP-157*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*4–4*	*4–4*	*4–4*	*4–4*	*4–4*	*5.5–5.5*	*5–5*	*5.5–5.5*	*5.5–5.5*	*5.5–5.5*	*5.5–5.5*	*2–2.5*	*2.5–3*
Sample Date	*02-Jun-95*	*03-May-95*	*02-Jun-95*	*02-Jun-95*	*03-Feb-95*	*28-Oct-97*	*28-Oct-97*	*29-Oct-97*	*29-Oct-97*	*29-Oct-97*	*03-Nov-97*	*01-May-00*	*01-May-00*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Dioxins/Furans (µg/kg) (cont.)													
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin													
heptachlorodibenzofurans													
1,2,3,4,6,7,8-heptachlorodibenzofuran													
1,2,3,4,7,8,9-heptachlorodibenzofuran													
hexachlorodibenzo-p-dioxins													
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin													
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin													
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin													
hexachlorodibenzofurans													
1,2,3,4,7,8-hexachlorodibenzofuran													
1,2,3,6,7,8-hexachlorodibenzofuran													
1,2,3,7,8,9-hexachlorodibenzofuran													
2,3,4,6,7,8-hexachlorodibenzofuran													
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin													
1,2,3,4,6,7,8,9-octachlorodibenzofuran													
pentachlorodibenzo-p-dioxins													
1,2,3,7,8-pentachlorodibenzo-p-dioxin													
pentachlorodibenzofurans													
1,2,3,7,8-pentachlorodibenzofuran													
2,3,4,7,8-pentachlorodibenzofuran													
tetrachlorodibenzo-p-dioxins													
2,3,7,8-tetrachlorodibenzo-p-dioxin													
tetrachlorodibenzofurans													
2,3,7,8-tetrachlorodibenzofuran													
Organotins (µg/kg)													
dibutyltin													
monobutyltin													
tetrabutyltin													
tributyltin													
Metals (mg/kg)													
aluminum													
antimony													
arsenic													
barium													
beryllium													
cadmium													
calcium													
chromium													
cobalt													
copper													
iron													
lead													
tetraethyllead													
magnesium													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*	*138*
Station ID	*37-9M*	*37-9NE*	*37-9NE1*	*37-9NW*	*37-9W*	*37-MJ-MW1*	*37-MJ-MW2*	*37-MJ-MW-4*	*37-MJ-MW-5*	*37-MJ-MW6*	*37-MJ-MW7*	*EP138-01*	*EP138-01*
Sample ID	*37-9M*	*37-9NE*	*37-9NE1*	*37-9NW*	*37-9W*	*37-MJ-MW-1W*	*37-MJ-MW-2W*	*37-MJ-MW-4W*	*37-MJ-MW-5W*	*37-MJ-MW-6Y*	*37-MJ-MW-7Y*	*030-CAP-156*	*030-CAP-157*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*4–4*	*4–4*	*4–4*	*4–4*	*4–4*	*5.5–5.5*	*5–5*	*5.5–5.5*	*5.5–5.5*	*5.5–5.5*	*5.5–5.5*	*2–2.5*	*2.5–3*
Sample Date	*02-Jun-95*	*03-May-95*	*02-Jun-95*	*02-Jun-95*	*03-Feb-95*	*28-Oct-97*	*28-Oct-97*	*29-Oct-97*	*29-Oct-97*	*29-Oct-97*	*03-Nov-97*	*01-May-00*	*01-May-00*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Metals (mg/kg) (cont.)													
manganese													
mercury													
molybdenum													
nickel													
potassium													
selenium													
silver													
sodium													
thallium													
vanadium													
zinc													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*140*	*140*	*140*	*140*	*140*	140	140	140	140	141	141
Station ID	*EP138-01*	*EP138-02*	*030-FLI-056*	*030-FLI-057*	*030-FLI-058*	*030-FLI-059*	*030-FLI-060*	140-SN-003	140-SS-002	140-SS-002	154-SN-001	141-Z22-001	141-Z22-001
Sample ID	*030-CAP-370A*	*030-CAP-370*	*030-FLI-056*	*030-FLI-057*	*030-FLI-058*	*030-FLI-059*	*030-FLI-060*	140S-003M	140M-002	140M-002M	154S-001M	141-0001	141-0001M
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	*3–3.5*	*2.5–3*	*0–4.5*	*0–4.5*	*0–4.5*	*0–4.5*	*0–4.5*	6–6.5	5.5–6	5.5–6	5–5.5	2–2.5	1.5–2
Sample Date	*01-May-00*	*01-May-00*	*22-Sep-98*	*22-Sep-98*	*22-Sep-98*	*22-Sep-98*	*22-Sep-98*	19-Jan-95	09-Feb-95	09-Feb-95	17-Jan-95	02-May-95	02-May-95
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg)													
acetone													
benzene			*0.6 U*	*0.5 U*	*0.6 U*	*0.5 U*	*0.5 U*			10 U	10 U		
bromobenzene													
bromochloromethane													
bromodichloromethane													
bromoform													
bromomethane													
2-butanone										10 U	10 U		
n-butylbenzene													
sec-butylbenzene													
tert-butylbenzene													
carbon disulfide													
carbon tetrachloride													
chlorobenzene													
chlorodibromomethane													
chloroethane													
chloroform													
chloromethane													
2-chlorotoluene													
4-chlorotoluene													
1,2-dibromo-3-chloropropane													
1,2-dibromoethane													
dibromomethane													
1,2-dichlorobenzene													
1,3-dichlorobenzene									380 U			360 U	
1,4-dichlorobenzene									380 U			360 U	
dichlorodifluoromethane													
1,1-dichloroethane													
1,2-dichloroethane										10 U	10 U		
1,1-dichloroethene										10 U	10 U		
cis-1,2-dichloroethene										10 U	10 U		
trans-1,2-dichloroethene										10 U	10 U		
1,2-dichloroethene													
1,2-dichloropropane													
1,3-dichloropropane													
sec-dichloropropane													
1,1-dichloropropene													
cis-1,3-dichloropropene													
trans-1,3-dichloropropene													
ethylbenzene			*0.6 U*	*0.5 U*	*0.6 U*	*0.5 U*	*0.5 U*			10 U	10 U		
n-hexane										20 U	20 U		
2-hexanone													
isopropylbenzene													
p-isopropyltoluene													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*140*	*140*	*140*	*140*	*140*	140	140	140	140	140	141	141
Station ID	*EP138-01*	*EP138-02*	*030-FLI-056*	*030-FLI-057*	*030-FLI-058*	*030-FLI-059*	*030-FLI-060*	140-SN-003	140-SS-002	140-SS-002	154-SN-001	141-Z22-001	141-Z22-001
Sample ID	*030-CAP-370A*	*030-CAP-370*	*030-FLI-056*	*030-FLI-057*	*030-FLI-058*	*030-FLI-059*	*030-FLI-060*	140S-003M	140M-002	140M-002M	154S-001M	141-0001	141-0001M
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	*3–3.5*	*2.5–3*	*0–4.5*	*0–4.5*	*0–4.5*	*0–4.5*	*0–4.5*	6–6.5	5.5–6	5.5–6	5–5.5	2–2.5	1.5–2
Sample Date	*01-May-00*	*01-May-00*	*22-Sep-98*	*22-Sep-98*	*22-Sep-98*	*22-Sep-98*	*22-Sep-98*	19-Jan-95	09-Feb-95	09-Feb-95	17-Jan-95	02-May-95	02-May-95
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg) (cont.)														
methyl tert-butyl ether			*28 U*	*27 U*	*27 U*	*27 U*	*26 U*						
methylene chloride										10 U	10 U		
4-methyl-2-pentanone													
n-propylbenzene													
styrene													
1,1,1,2-tetrachloroethane													
1,1,2,2-tetrachloroethane													
tetrachloroethene										10 U	10 U		
toluene			*0.6 U*	*0.5 U*	*0.6 U*	*6*	*0.5 U*			10 U	10 U		
1,2,3-trichlorobenzene													
1,2,4-trichlorobenzene									380 U			360 U	
1,1,1-trichloroethane										10 U	10 U		
1,1,2-trichloroethane													
trichloroethene										10 U	10 U		
trichlorofluoromethane													
1,2,3-trichloropropane													
1,1,2-trichloro-1,2,2-trifluoroethane													
1,2,4-trimethylbenzene													
1,3,5-trimethylbenzene													
vinyl acetate													
vinyl chloride										10 U	10 U		
meta-,para-xylene										20 U	20 U		
m-, p-xylene													
o-xylene										10 U	10 U		
xylenes, total			*1.1 U*	*1.1 U*	*1.1 U*	*1.1 U*	*1 U*						
Petroleum Hydrocarbons (µg/kg)														
diesel			*11,000 U*	*11,000 U*	*11,000 U*	*11,000 U*	*10,000 U*	50,000 U		50,000 U	50,000 U		1,000 U
gasoline			*560 U*	*540 U*	*550 U*	*530 U*	*520 U*	50,000 U		50,000 U	50,000 U		600 U
jet fuel #5 (JP5)													
JP-5			*11,000 U*	*11,000 U*	*11,000 U*	*11,000 U*	*10,000 U*						
motor oil			*11,000 U*	*11,000 U*	*11,000 U*	*11,000 U*	*10,000 U*						29,000 U
oil and grease									275,000				
Semivolatile Organic Compounds (µg/kg)														
acenaphthene													
acenaphthylene													
aniline													
anthracene													
benz(a)anthracene													
benzidine													
benzo(b)fluoranthene													
benzo(k)fluoranthene													
benzo(g,h,i)perylene													
benzo(a)pyrene													
benzyl alcohol													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*140*	*140*	*140*	*140*	*140*	140	140	140	140	141	141
Station ID	*EP138-01*	*EP138-02*	*030-FLI-056*	*030-FLI-057*	*030-FLI-058*	*030-FLI-059*	*030-FLI-060*	140-SN-003	140-SS-002	140-SS-002	154-SN-001	141-Z22-001	141-Z22-001
Sample ID	*030-CAP-370A*	*030-CAP-370*	*030-FLI-056*	*030-FLI-057*	*030-FLI-058*	*030-FLI-059*	*030-FLI-060*	140S-003M	140M-002	140M-002M	154S-001M	141-0001	141-0001M
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	*3–3.5*	*2.5–3*	*0–4.5*	*0–4.5*	*0–4.5*	*0–4.5*	*0–4.5*	6–6.5	5.5–6	5.5–6	5–5.5	2–2.5	1.5–2
Sample Date	*01-May-00*	*01-May-00*	*22-Sep-98*	*22-Sep-98*	*22-Sep-98*	*22-Sep-98*	*22-Sep-98*	19-Jan-95	09-Feb-95	09-Feb-95	17-Jan-95	02-May-95	02-May-95
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)													
bis(2-chloroethoxy)methane									380 U			360 U	
bis(2-chloroethyl)ether									380 U			360 U	
bis(2-chloro-1-methylethyl)ether									380 U			360 U	
bis(2-ethylhexyl)phthalate									380 U			360 U	
4-bromophenyl phenyl ether									380 U			360 U	
butyl benzyl phthalate									380 U			360 U	
carbazole									380 U			360 U	
4-chloroaniline									380 U			360 U	
4-chloro-3-methylphenol									380 U			360 U	
2-chloronaphthalene									380 U			360 U	
2-chlorophenol									380 U			360 U	
4-chlorophenyl phenyl ether									380 U			360 U	
chrysene													
dibenz(a,h)anthracene													
di-n-butyl phthalate									380 U			65 J	
dibenzofuran									380 U			360 U	
1,2-dichlorobenzene									380 U			360 U	
1,3-dichlorobenzene													
1,4-dichlorobenzene													
3,3'-dichlorobenzidine									380 U			360 U	
2,4-dichlorophenol									380 U			360 U	
diethyl phthalate									380 U			360 U	
2,4-dimethylphenol									380 U			360 U	
dimethyl phthalate									380 U			360 U	
4,6-dinitro-2-methylphenol									920 U			870 U	
2,4-dinitrophenol									920 U			870 U	
2,4-dinitrotoluene									380 U			360 U	
2,6-dinitrotoluene									380 U			360 U	
di-n-octyl phthalate									380 U			360 U	
fluoranthene													
fluorene													
hexachlorobenzene									380 U			360 U	
hexachlorobutadiene									380 U			360 U	
hexachlorocyclopentadiene									380 U			360 U	
hexachloroethane									380 U			360 U	
indeno(1,2,3-cd)pyrene													
isophorone									380 U			360 U	
2-methylnaphthalene													
2-methylphenol									380 U			360 U	
4-methylphenol									380 U			360 U	
naphthalene													
2-nitroaniline									920 U			870 U	
3-nitroaniline									920 U			870 U	
4-nitroaniline									920 U			870 U	

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*140*	*140*	*140*	*140*	*140*	140	140	140	140	141	141
Station ID	*EP138-01*	*EP138-02*	*030-FLI-056*	*030-FLI-057*	*030-FLI-058*	*030-FLI-059*	*030-FLI-060*	140-SN-003	140-SS-002	140-SS-002	154-SN-001	141-Z22-001	141-Z22-001
Sample ID	*030-CAP-370A*	*030-CAP-370*	*030-FLI-056*	*030-FLI-057*	*030-FLI-058*	*030-FLI-059*	*030-FLI-060*	140S-003M	140M-002	140M-002M	154S-001M	141-0001	141-0001M
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	*3–3.5*	*2.5–3*	*0–4.5*	*0–4.5*	*0–4.5*	*0–4.5*	*0–4.5*	6–6.5	5.5–6	5.5–6	5–5.5	2–2.5	1.5–2
Sample Date	*01-May-00*	*01-May-00*	*22-Sep-98*	*22-Sep-98*	*22-Sep-98*	*22-Sep-98*	*22-Sep-98*	19-Jan-95	09-Feb-95	09-Feb-95	17-Jan-95	02-May-95	02-May-95
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)													
nitrobenzene									380 U			360 U	
4-nitrophenol									920 U			870 U	
2-nitrophenol									380 U			360 U	
N-nitrosodimethylamine													
N-nitrosodiphenylamine									380 U			360 U	
N-nitroso-di-n-propylamine									380 U			360 U	
pentachlorophenol									920 U			870 U	
phenanthrene													
phenol									380 U			360 U	
pyrene													
1,2,4-trichlorobenzene													
2,4,5-trichlorophenol									920 U			870 U	
2,4,6-trichlorophenol									380 U			360 U	
Pesticides/Polychlorinated Biphenyls (µg/kg)													
aldrin													
Aroclor 1016	*17 UJ*	*18 UJ*							38 U				23 U
Aroclor 1221	*35 UJ*	*36 UJ*							77 U				23 U
Aroclor 1232	*17 UJ*	*18 UJ*							38 U				23 U
Aroclor 1242	*17 UJ*	*18 UJ*							38 U				23 U
Aroclor 1248	*17 UJ*	*18 UJ*							38 U				23 U
Aroclor 1254	*17 UJ*	*18 UJ*							38 U				23 U
Aroclor 1260	*120 J*	*18 UJ*							38 U				23 U
alpha-BHC													
beta-BHC													
delta-BHC													
gamma-BHC (lindane)													
alpha-chlordane													
gamma-chlordane													
4,4´-DDD													
4,4´-DDE													
4,4´-DDT													
dieldrin													
endosulfan I													
endosulfan II													
endosulfan sulfate													
endrin													
endrin aldehyde													
endrin ketone													
heptachlor													
heptachlor epoxide													
methoxychlor													
toxaphene													
Dioxins/Furans (µg/kg)													
heptachlorodibenzo-p-dioxins													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*138*	*138*	*140*	*140*	*140*	*140*	*140*	140	140	140	140	141	141
Station ID	*EP138-01*	*EP138-02*	*030-FLI-056*	*030-FLI-057*	*030-FLI-058*	*030-FLI-059*	*030-FLI-060*	140-SN-003	140-SS-002	140-SS-002	154-SN-001	141-Z22-001	141-Z22-001
Sample ID	*030-CAP-370A*	*030-CAP-370*	*030-FLI-056*	*030-FLI-057*	*030-FLI-058*	*030-FLI-059*	*030-FLI-060*	140S-003M	140M-002	140M-002M	154S-001M	141-0001	141-0001M
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	*3–3.5*	*2.5–3*	*0–4.5*	*0–4.5*	*0–4.5*	*0–4.5*	*0–4.5*	6–6.5	5.5–6	5.5–6	5–5.5	2–2.5	1.5–2
Sample Date	*01-May-00*	*01-May-00*	*22-Sep-98*	*22-Sep-98*	*22-Sep-98*	*22-Sep-98*	*22-Sep-98*	19-Jan-95	09-Feb-95	09-Feb-95	17-Jan-95	02-May-95	02-May-95
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Dioxins/Furans (µg/kg) (cont.)													
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin													
heptachlorodibenzofurans													
1,2,3,4,6,7,8-heptachlorodibenzofuran													
1,2,3,4,7,8,9-heptachlorodibenzofuran													
hexachlorodibenzo-p-dioxins													
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin													
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin													
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin													
hexachlorodibenzofurans													
1,2,3,4,7,8-hexachlorodibenzofuran													
1,2,3,6,7,8-hexachlorodibenzofuran													
1,2,3,7,8,9-hexachlorodibenzofuran													
2,3,4,6,7,8-hexachlorodibenzofuran													
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin													
1,2,3,4,6,7,8,9-octachlorodibenzofuran													
pentachlorodibenzo-p-dioxins													
1,2,3,7,8-pentachlorodibenzo-p-dioxin													
pentachlorodibenzofurans													
1,2,3,7,8-pentachlorodibenzofuran													
2,3,4,7,8-pentachlorodibenzofuran													
tetrachlorodibenzo-p-dioxins													
2,3,7,8-tetrachlorodibenzo-p-dioxin													
tetrachlorodibenzofurans													
2,3,7,8-tetrachlorodibenzofuran													
Organotins (µg/kg)													
dibutyltin									0.001 UJ				
monobutyltin									0.001 UJ				
tetrabutyltin									0.001 UJ				
tributyltin									0.001 UJ				
Metals (mg/kg)													
aluminum													
antimony								25 U		25 U	25 U		
arsenic													
barium													
beryllium								25 U		25 U	25 U		
cadmium								25 U		25 U	25 U		
calcium													
chromium								25 U		25 U	28		
cobalt													
copper								25 U		25 U	25 U		
iron													
lead								25 U		25 U	25 U		1.1
tetraethyllead									0.57 UJ				
magnesium													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	***138***	***138***	***140***	***140***	***140***	***140***	***140***	**140**	**140**	**140**	**140**	**141**	**141**
Station ID	***EP138-01***	***EP138-02***	***030-FLI-056***	***030-FLI-057***	***030-FLI-058***	***030-FLI-059***	***030-FLI-060***	**140-SN-003**	**140-SS-002**	**140-SS-002**	**154-SN-001**	**141-Z22-001**	**141-Z22-001**
Sample ID	***030-CAP-370A***	***030-CAP-370***	***030-FLI-056***	***030-FLI-057***	***030-FLI-058***	***030-FLI-059***	***030-FLI-060***	**140S-003M**	**140M-002**	**140M-002M**	**154S-001M**	**141-0001**	**141-0001M**
Sample Type	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
Depth Interval (feet bgs)	***3–3.5***	***2.5–3***	***0–4.5***	***0–4.5***	***0–4.5***	***0–4.5***	***0–4.5***	**6–6.5**	**5.5–6**	**5.5–6**	**5–5.5**	**2–2.5**	**1.5–2**
Sample Date	***01-May-00***	***01-May-00***	***22-Sep-98***	***22-Sep-98***	***22-Sep-98***	***22-Sep-98***	***22-Sep-98***	**19-Jan-95**	**09-Feb-95**	**09-Feb-95**	**17-Jan-95**	**02-May-95**	**02-May-95**
Reference	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**
Metals (mg/kg) (cont.)													
manganese													
mercury								25 U		25 U	25 U		
molybdenum													
nickel								45		29	40		
potassium													
selenium													
silver								25 U		25 U	25 U		
sodium													
thallium													
vanadium													
zinc								41		33	67		

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	150	150	150	150	150	150	150	150	*150*	*150*	*150*	*150*	150
Station ID	030-FLI-097	150-001-001	150-001-001	150-002-003	150-002-003	150-002-004	150-002-005	150-004-008	*150-Z19-017*	*150-Z19-017*	*150-Z19-020*	*150-Z19-020*	202-SS-001
Sample ID	030-FLI-097	150-0001	150-0001M	150-0003	150-0003M	150-0004M	150-0005M	150-0008M	*150-0017*	*150-0017M*	*150-0030*	*150-0031*	202M-001
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	*REG*	*REG*	*REG*	*REG*	REG
Depth Interval (feet bgs)	0–6	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	*0.5–1*	*0.5–1*	*0.5–1*	*6.5–7*	5.1–5.7
Sample Date	12-Nov-98	20-Jun-95	20-Jun-95	20-Jun-95	20-Jun-95	19-Jun-95	19-Jun-95	22-Jun-95	*21-Jun-95*	*21-Jun-95*	*31-Oct-95*	*31-Oct-95*	17-Feb-95
Reference	TtEMI 2004	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	IT 2001
Volatile Organic Compounds (µg/kg)													
acetone		11 U	24 U	11 U	24 U	22 U	22 U	22 U					
benzene	0.5 U	11 U	6 U	11 U	6 U	6 U	5 U	6 U					
bromobenzene													
bromochloromethane													
bromodichloromethane		11 U	6 U	11 U	6 U	6 U	5 U	6 U					
bromoform		11 U	6 U	11 U	6 U	6 U	5 U	6 U					
bromomethane		11 U	12 U	11 U	12 U	11 U	11 U	11 U					
2-butanone		11 U	12 U	11 U	12 U	11 U	11 U	11 U					
n-butylbenzene													
sec-butylbenzene													
tert-butylbenzene													
carbon disulfide		11 U	6 U	11 U	6 U	6 U	5 U	6 U					
carbon tetrachloride		11 U	6 U	11 U	6 U	6 U	5 U	6 U					
chlorobenzene		11 U	6 U	11 U	6 U	6 U	5 U	6 U					
chlorodibromomethane		11 U	6 U	11 U	6 U	6 U	5 U	6 U					
chloroethane		11 U	12 U	11 U	12 U	11 U	11 U	11 U					
chloroform		11 U	6 U	11 U	6 U	6 U	5 U	6 U					
chloromethane		11 U	12 U	11 U	12 U	11 U	11 U	11 U					
2-chlorotoluene													
4-chlorotoluene													
1,2-dibromo-3-chloropropane													
1,2-dibromoethane													
dibromomethane													
1,2-dichlorobenzene													
1,3-dichlorobenzene									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
1,4-dichlorobenzene									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
dichlorodifluoromethane													
1,1-dichloroethane		11 U	6 U	11 U	6 U	6 U	5 U	6 U					
1,2-dichloroethane		11 U	6 U	11 U	6 U	6 U	5 U	6 U					
1,1-dichloroethene		11 U	6 U	11 U	6 U	6 U	5 U	6 U					
cis-1,2-dichloroethene			6 U		6 U	6 U	5 U	6 U					
trans-1,2-dichloroethene			6 U		6 U	6 U	5 U	6 U					
1,2-dichloroethene		11 U		11 U									
1,2-dichloropropane		11 U	6 U	11 U	6 U	6 U	5 U	6 U					
1,3-dichloropropane													
sec-dichloropropane													
1,1-dichloropropene													
cis-1,3-dichloropropene		11 U	6 U	11 U	6 U	6 U	5 U	6 U					
trans-1,3-dichloropropene		11 U	6 U	11 U	6 U	6 U	5 U	6 U					
ethylbenzene	0.5 U	11 U	6 U	11 U	6 U	6 U	5 U	6 U					
n-hexane			6 U		6 U	6 U	5 U	6 U					
2-hexanone		11 U	12 U	11 U	12 U	11 U	11 U	11 U					
isopropylbenzene													
p-isopropyltoluene													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	150	150	150	150	150	150	150	150	*150*	*150*	*150*	*150*	150
Station ID	030-FLI-097	150-001-001	150-001-001	150-002-003	150-002-003	150-002-004	150-002-005	150-004-008	*150-Z19-017*	*150-Z19-017*	*150-Z19-020*	*150-Z19-020*	202-SS-001
Sample ID	030-FLI-097	150-0001	150-0001M	150-0003	150-0003M	150-0004M	150-0005M	150-0008M	*150-0017*	*150-0017M*	*150-0030*	*150-0031*	202M-001
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	*REG*	*REG*	*REG*	*REG*	REG
Depth Interval (feet bgs)	0–6	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	*0.5–1*	*0.5–1*	*0.5–1*	*6.5–7*	5.1–5.7
Sample Date	12-Nov-98	20-Jun-95	20-Jun-95	20-Jun-95	20-Jun-95	19-Jun-95	19-Jun-95	22-Jun-95	*21-Jun-95*	*21-Jun-95*	*31-Oct-95*	*31-Oct-95*	17-Feb-95
Reference	TtEMI 2004	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	IT 2001
Volatile Organic Compounds (µg/kg) (cont.)													
methyl tert-butyl ether	26 U												
methylene chloride		11 U	24 U	11 U	24 U	22 U	22 U	22 U					
4-methyl-2-pentanone		11 U	12 U	11 U	12 U	11 U	11 U	11 U					
n-propylbenzene													
styrene		11 U	6 U	11 U	6 U	6 U	5 U	6 U					
1,1,1,2-tetrachloroethane													
1,1,2,2-tetrachloroethane		11 U	6 U	11 U	6 U	6 U	5 U	6 U					
tetrachloroethene		11 U	6 U	11 U	6 U	6 U	5 U	6 U					
toluene	0.5 U	11 U	6 U	11 U	6 U	6 U	5 U	6 U					
1,2,3-trichlorobenzene													
1,2,4-trichlorobenzene									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
1,1,1-trichloroethane		11 U	6 U	11 U	6 U	6 U	5 U	6 U					
1,1,2-trichloroethane		11 U	6 U	11 U	6 U	6 U	5 U	6 U					
trichloroethene		11 U	6 U	11 U	6 U	6 U	5 U	6 U					
trichlorofluoromethane			6 U		6 U	6 U	5 U	6 U					
1,2,3-trichloropropane													
1,1,2-trichloro-1,2,2-trifluoroethane													
1,2,4-trimethylbenzene													
1,3,5-trimethylbenzene													
vinyl acetate			60 U		60 U	56 U	54 U	56 U					
vinyl chloride		11 U	12 U	11 U	12 U	11 U	11 U	11 U					
meta-,para-xylene			6 U		6 U	6 U	5 U	6 U					
m-, p-xylene													
o-xylene			6 U		6 U	6 U	5 U	6 U					
xylenes, total	1.1 U	11 U		11 U									
Petroleum Hydrocarbons (µg/kg)													
diesel	11,000 U							1,000 U	*100,000 U*	*210,000 U*	*26,000 U*	*27,000 U*	
gasoline	530 U							600 U	*500 UJ*	*500 U*	*520 UJ*	*540 UJ*	
jet fuel #5 (JP5)													
JP-5	11,000 U												
motor oil	11,000 U							69,000	*6,200,000 J*	*50,000,000*	*26,000 U*	*27,000 U*	
oil and grease													642,000
Semivolatile Organic Compounds (µg/kg)													
acenaphthene													
acenaphthylene													
aniline										*70,000 U*			
anthracene													
benz(a)anthracene													
benzidine										*70,000 U*			
benzo(b)fluoranthene													
benzo(k)fluoranthene													
benzo(g,h,i)perylene													
benzo(a)pyrene													
benzyl alcohol										*70,000 U*			

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	150	150	150	150	150	150	150	150	*150*	*150*	*150*	*150*	150
Station ID	030-FLI-097	150-001-001	150-001-001	150-002-003	150-002-003	150-002-004	150-002-005	150-004-008	*150-Z19-017*	*150-Z19-017*	*150-Z19-020*	*150-Z19-020*	202-SS-001
Sample ID	030-FLI-097	150-0001	150-0001M	150-0003	150-0003M	150-0004M	150-0005M	150-0008M	*150-0017*	*150-0017M*	*150-0030*	*150-0031*	202M-001
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	*REG*	*REG*	*REG*	*REG*	REG
Depth Interval (feet bgs)	0–6	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	*0.5–1*	*0.5–1*	*0.5–1*	*6.5–7*	5.1–5.7
Sample Date	12-Nov-98	20-Jun-95	20-Jun-95	20-Jun-95	20-Jun-95	19-Jun-95	19-Jun-95	22-Jun-95	*21-Jun-95*	*21-Jun-95*	*31-Oct-95*	*31-Oct-95*	17-Feb-95
Reference	TtEMI 2004	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)													
bis(2-chloroethoxy)methane									*1,700 U*	*70000 U*	*340 U*	*360 U*	370 U
bis(2-chloroethyl)ether									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
bis(2-chloro-1-methylethyl)ether									*1,700 UJ*	*70,000 U*	*340 U*	*360 U*	370 U
bis(2-ethylhexyl)phthalate									*1,700 U*	*70,000 U*	*340 U*	*360 U*	26 J
4-bromophenyl phenyl ether									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
butyl benzyl phthalate									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
carbazole									*1,700 U*		*340 U*	*360 U*	370 U
4-chloroaniline									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
4-chloro-3-methylphenol									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
2-chloronaphthalene									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
2-chlorophenol									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
4-chlorophenyl phenyl ether									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
chrysene													
dibenz(a,h)anthracene													
di-n-butyl phthalate									*120 J*	*70,000 U*	*340 U*	*360 U*	370 U
dibenzofuran									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
1,2-dichlorobenzene									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
1,3-dichlorobenzene													
1,4-dichlorobenzene													
3,3'-dichlorobenzidine									*1,700 U*	*350,000 U*	*340 U*	*360 U*	370 U
2,4-dichlorophenol									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
diethyl phthalate									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
2,4-dimethylphenol									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
dimethyl phthalate									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
4,6-dinitro-2-methylphenol									*4,200 U*	*350,000 U*	*820 U*	*870 U*	890 U
2,4-dinitrophenol									*4,200 U*	*350,000 U*	*820 U*	*870 U*	890 U
2,4-dinitrotoluene									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
2,6-dinitrotoluene									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
di-n-octyl phthalate									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
fluoranthene													
fluorene													
hexachlorobenzene									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
hexachlorobutadiene									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
hexachlorocyclopentadiene									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
hexachloroethane									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
indeno(1,2,3-cd)pyrene													
isophorone									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
2-methylnaphthalene													
2-methylphenol									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
4-methylphenol									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
naphthalene													
2-nitroaniline									*4,200 U*	*350,000 U*	*820 U*	*870 U*	890 U
3-nitroaniline									*4,200 U*	*350,000 U*	*820 U*	*870 U*	890 U
4-nitroaniline									*4,200 U*	*350,000 U*	*820 U*	*870 U*	890 U

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	150	150	150	150	150	150	150	150	*150*	*150*	*150*	*150*	150
Station ID	030-FLI-097	150-001-001	150-001-001	150-002-003	150-002-003	150-002-004	150-002-005	150-004-008	*150-Z19-017*	*150-Z19-017*	*150-Z19-020*	*150-Z19-020*	202-SS-001
Sample ID	030-FLI-097	150-0001	150-0001M	150-0003	150-0003M	150-0004M	150-0005M	150-0008M	*150-0017*	*150-0017M*	*150-0030*	*150-0031*	202M-001
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	*REG*	*REG*	*REG*	*REG*	REG
Depth Interval (feet bgs)	0–6	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	*0.5–1*	*0.5–1*	*0.5–1*	*6.5–7*	5.1–5.7
Sample Date	12-Nov-98	20-Jun-95	20-Jun-95	20-Jun-95	20-Jun-95	19-Jun-95	19-Jun-95	22-Jun-95	*21-Jun-95*	*21-Jun-95*	*31-Oct-95*	*31-Oct-95*	17-Feb-95
Reference	TtEMI 2004	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)													
nitrobenzene									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
4-nitrophenol									*4,200 U*	*350,000 U*	*820 U*	*870 U*	890 U
2-nitrophenol									*1,700 U*	*350,000 U*	*340 U*	*360 U*	370 U
N-nitrosodimethylamine										*70,000 U*			
N-nitrosodiphenylamine									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
N-nitroso-di-n-propylamine									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
pentachlorophenol									*4,200 U*	*350,000 U*	*820 U*	*870 U*	890 U
phenanthrene													
phenol									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
pyrene													
1,2,4-trichlorobenzene													
2,4,5-trichlorophenol									*4,200 U*	*350,000 U*	*820 U*	*870 U*	890 U
2,4,6-trichlorophenol									*1,700 U*	*70,000 U*	*340 U*	*360 U*	370 U
Pesticides/Polychlorinated Biphenyls (µg/kg)													
aldrin													1.9 U
Aroclor 1016									*1,700 U*	*21 U*			37 U
Aroclor 1221									*3,500 U*	*21 U*			74 U
Aroclor 1232									*1,700 U*	*21 U*			37 U
Aroclor 1242									*1,700 U*	*21 U*			37 U
Aroclor 1248									*1,700 U*	*21 U*			37 U
Aroclor 1254									*1,700 U*	*21 U*			37 U
Aroclor 1260									*1,700 U*	*21 U*			37 U
alpha-BHC													1.9 U
beta-BHC													1.9 U
delta-BHC													1.9 U
gamma-BHC (lindane)													1.9 U
alpha-chlordane													1.9 U
gamma-chlordane													1.9 U
4,4´-DDD													3.7 U
4,4´-DDE													3.7 U
4,4´-DDT													3.7 U
dieldrin													3.7 U
endosulfan I													1.9 U
endosulfan II													3.7 U
endosulfan sulfate													3.7 U
endrin													3.7 U
endrin aldehyde													3.7 U
endrin ketone													3.7 U
heptachlor													1.9 U
heptachlor epoxide													1.9 U
methoxychlor													19 U
toxaphene													190 U
Dioxins/Furans (µg/kg)													
heptachlorodibenzo-p-dioxins													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	150	150	150	150	150	150	150	150	*150*	*150*	*150*	*150*	150
Station ID	030-FLI-097	150-001-001	150-001-001	150-002-003	150-002-003	150-002-004	150-002-005	150-004-008	*150-Z19-017*	*150-Z19-017*	*150-Z19-020*	*150-Z19-020*	202-SS-001
Sample ID	030-FLI-097	150-0001	150-0001M	150-0003	150-0003M	150-0004M	150-0005M	150-0008M	*150-0017*	*150-0017M*	*150-0030*	*150-0031*	202M-001
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	*REG*	*REG*	*REG*	*REG*	REG
Depth Interval (feet bgs)	0–6	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	*0.5–1*	*0.5–1*	*0.5–1*	*6.5–7*	5.1–5.7
Sample Date	12-Nov-98	20-Jun-95	20-Jun-95	20-Jun-95	20-Jun-95	19-Jun-95	19-Jun-95	22-Jun-95	*21-Jun-95*	*21-Jun-95*	*31-Oct-95*	*31-Oct-95*	17-Feb-95
Reference	TtEMI 2004	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	*IT 2001*	*IT 2001*	*IT 2001*	*IT 2001*	IT 2001
Dioxins/Furans (µg/kg) (cont.)													
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin													
heptachlorodibenzofurans													
1,2,3,4,6,7,8-heptachlorodibenzofuran													
1,2,3,4,7,8,9-heptachlorodibenzofuran													
hexachlorodibenzo-p-dioxins													
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin													
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin													
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin													
hexachlorodibenzofurans													
1,2,3,4,7,8-hexachlorodibenzofuran													
1,2,3,6,7,8-hexachlorodibenzofuran													
1,2,3,7,8,9-hexachlorodibenzofuran													
2,3,4,6,7,8-hexachlorodibenzofuran													
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin													
1,2,3,4,6,7,8,9-octachlorodibenzofuran													
pentachlorodibenzo-p-dioxins													
1,2,3,7,8-pentachlorodibenzo-p-dioxin													
pentachlorodibenzofurans													
1,2,3,7,8-pentachlorodibenzofuran													
2,3,4,7,8-pentachlorodibenzofuran													
tetrachlorodibenzo-p-dioxins													
2,3,7,8-tetrachlorodibenzo-p-dioxin													
tetrachlorodibenzofurans													
2,3,7,8-tetrachlorodibenzofuran													
Organotins (µg/kg)													
dibutyltin													0.001 UJ
monobutyltin													0.001 UJ
tetrabutyltin													0.001 UJ
tributyltin													0.001 UJ
Metals (mg/kg)													
aluminum													
antimony													
arsenic													
barium													
beryllium													
cadmium													
calcium													
chromium													
cobalt													
copper													
iron													
lead									*9.2 J*	*10*			
tetraethyllead													0.56 U
magnesium													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	**150**	**150**	**150**	**150**	**150**	**150**	**150**	**150**	***150***	***150***	***150***	***150***	**150**
Station ID	**030-FLI-097**	**150-001-001**	**150-001-001**	**150-002-003**	**150-002-003**	**150-002-004**	**150-002-005**	**150-004-008**	***150-Z19-017***	***150-Z19-017***	***150-Z19-020***	***150-Z19-020***	**202-SS-001**
Sample ID	**030-FLI-097**	**150-0001**	**150-0001M**	**150-0003**	**150-0003M**	**150-0004M**	**150-0005M**	**150-0008M**	***150-0017***	***150-0017M***	***150-0030***	***150-0031***	**202M-001**
Sample Type	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	***REG***	***REG***	***REG***	***REG***	**REG**
Depth Interval (feet bgs)	**0–6**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	***0.5–1***	***0.5–1***	***0.5–1***	***6.5–7***	**5.1–5.7**
Sample Date	**12-Nov-98**	**20-Jun-95**	**20-Jun-95**	**20-Jun-95**	**20-Jun-95**	**19-Jun-95**	**19-Jun-95**	**22-Jun-95**	***21-Jun-95***	***21-Jun-95***	***31-Oct-95***	***31-Oct-95***	**17-Feb-95**
Reference	**TtEMI 2004**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	***IT 2001***	***IT 2001***	***IT 2001***	***IT 2001***	**IT 2001**
Metals (mg/kg) (cont.)													
manganese													
mercury													
molybdenum													
nickel													
potassium													
selenium													
silver													
sodium													
thallium													
vanadium													
zinc													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	**150**	**150**	**150**	**150**	**150**	**150**	**150**	**150**	**150**	***150***	***150***	***150***	***150***
Station ID	**202-SS-001**	**32EDC-12-26**	**32EDC-12-26**	**32EDC-12-26**	**32EDC-12-26**	**32EDC-12-27**	**32EDC-12-27**	**32EDC-12-27**	**32EDC-12-27**	***584-1-MOJ***	***584-2-MOJ***	***584-3-MOJ***	***584-5-MOJ***
Sample ID	**202M-001M**	**C032C459**	**C032C460**	**C032C461**	**C032C462**	**C032C463**	**C032C464**	**C032C465**	**C032C466**	***584-1Z***	***584-2Z***	***584-3Z***	***584-5Z***
Sample Type	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	***REG***	***REG***	***REG***	***REG***
Depth Interval (feet bgs)	**5.1–5.7**	**0–0.5**	**0.5–2**	**2–4**	**4–8**	**0–0.5**	**0.5–2**	**2–4**	**4–8**	***6.5–6.5***	***6.5–6.5***	***6.5–6.5***	***–***
Sample Date	**17-Feb-95**	**20-May-02**	**20-May-02**	**20-May-02**	**20-May-02**	**23-May-02**	**23-May-02**	**23-May-02**	**23-May-02**	***29-Aug-97***	***29-Aug-97***	***29-Aug-97***	***29-Aug-97***
Reference	**IT 2001**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***
Volatile Organic Compounds (µg/kg)													
acetone													
benzene										*250 U*	*5 U*	*5 U*	*5 U*
bromobenzene													
bromochloromethane													
bromodichloromethane													
bromoform													
bromomethane													
2-butanone													
n-butylbenzene													
sec-butylbenzene													
tert-butylbenzene													
carbon disulfide													
carbon tetrachloride													
chlorobenzene													
chlorodibromomethane													
chloroethane													
chloroform													
chloromethane													
2-chlorotoluene													
4-chlorotoluene													
1,2-dibromo-3-chloropropane													
1,2-dibromoethane													
dibromomethane													
1,2-dichlorobenzene													
1,3-dichlorobenzene													
1,4-dichlorobenzene													
dichlorodifluoromethane													
1,1-dichloroethane													
1,2-dichloroethane													
1,1-dichloroethene													
cis-1,2-dichloroethene													
trans-1,2-dichloroethene													
1,2-dichloroethene													
1,2-dichloropropane													
1,3-dichloropropane													
sec-dichloropropane													
1,1-dichloropropene													
cis-1,3-dichloropropene													
trans-1,3-dichloropropene													
ethylbenzene										*650*	*5 U*	*5 U*	*5 U*
n-hexane													
2-hexanone													
isopropylbenzene													
p-isopropyltoluene													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	**150**	**150**	**150**	**150**	**150**	**150**	**150**	**150**	**150**	***150***	***150***	***150***	***150***
Station ID	**202-SS-001**	**32EDC-12-26**	**32EDC-12-26**	**32EDC-12-26**	**32EDC-12-26**	**32EDC-12-27**	**32EDC-12-27**	**32EDC-12-27**	**32EDC-12-27**	***584-1-MOJ***	***584-2-MOJ***	***584-3-MOJ***	***584-5-MOJ***
Sample ID	**202M-001M**	**C032C459**	**C032C460**	**C032C461**	**C032C462**	**C032C463**	**C032C464**	**C032C465**	**C032C466**	***584-1Z***	***584-2Z***	***584-3Z***	***584-5Z***
Sample Type	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	***REG***	***REG***	***REG***	***REG***
Depth Interval (feet bgs)	**5.1–5.7**	**0–0.5**	**0.5–2**	**2–4**	**4–8**	**0–0.5**	**0.5–2**	**2–4**	**4–8**	***6.5–6.5***	***6.5–6.5***	***6.5–6.5***	**–**
Sample Date	**17-Feb-95**	**20-May-02**	**20-May-02**	**20-May-02**	**20-May-02**	**23-May-02**	**23-May-02**	**23-May-02**	**23-May-02**	***29-Aug-97***	***29-Aug-97***	***29-Aug-97***	***29-Aug-97***
Reference	**IT 2001**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***
Volatile Organic Compounds (µg/kg) (cont.)													
methyl tert-butyl ether										*2,500 U*	*50 U*	*50 U*	*50 U*
methylene chloride													
4-methyl-2-pentanone													
n-propylbenzene													
styrene													
1,1,1,2-tetrachloroethane													
1,1,2,2-tetrachloroethane													
tetrachloroethene													
toluene										*250 U*	*5 U*	*5 U*	*5 U*
1,2,3-trichlorobenzene													
1,2,4-trichlorobenzene													
1,1,1-trichloroethane													
1,1,2-trichloroethane													
trichloroethene													
trichlorofluoromethane													
1,2,3-trichloropropane													
1,1,2-trichloro-1,2,2-trifluoroethane													
1,2,4-trimethylbenzene													
1,3,5-trimethylbenzene													
vinyl acetate													
vinyl chloride													
meta-,para-xylene													
m-, p-xylene													
o-xylene													
xylenes, total										*1,900*	*5 U*	*5 U*	*5 U*
Petroleum Hydrocarbons (µg/kg)													
diesel	50,000 U									*15,000,000*	*5,000 U*	*58,000*	*1,000 U*
gasoline	50,000 U									*480,000*	*1,000 U*	*1,000 U*	*1,000 U*
jet fuel #5 (JP5)										*100,000 U*	*5,000 U*	*1,000 U*	*1,000 U*
JP-5													
motor oil										*1,000,000 U*	*400,000*	*10,000 U*	*10,000 U*
oil and grease													
Semivolatile Organic Compounds (µg/kg)													
acenaphthene		27 U	27 U	5.3 U	5.6 U	5.3 U	6.3 U	5.3 U	5.8 U				
acenaphthylene		27 U	27 U	5.3 U	5.6 U	5.3 U	6.3 U	5.3 U	5.8 U				
aniline													
anthracene		27 U	27 U	5.3 U	5.6 U	5.3 U	6.3 U	5.3 U	5.8 U				
benz(a)anthracene		27 U	27 U	5.3 U	5.6 U	5.3 U	6.3 U	5.3 U	5.8 U				
benzidine													
benzo(b)fluoranthene		34	13 J	2.5 J	5.6 U	2.4 J	6.3 U	5.3 U	5.8 U				
benzo(k)fluoranthene		27 U	27 U	5.3 U	5.6 U	5.3 U	6.3 U	5.3 U	5.8 U				
benzo(g,h,i)perylene		31	15 J	3.9 J	5.6 U	3.8 J	6.3 U	5.3 U	5.8 U				
benzo(a)pyrene		27 U	12 J	5.3 U	5.6 U	2.2 J	6.3 U	5.3 U	5.8 U				
benzyl alcohol													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	**150**	**150**	**150**	**150**	**150**	**150**	**150**	**150**	**150**	***150***	***150***	***150***	***150***
Station ID	**202-SS-001**	**32EDC-12-26**	**32EDC-12-26**	**32EDC-12-26**	**32EDC-12-26**	**32EDC-12-27**	**32EDC-12-27**	**32EDC-12-27**	**32EDC-12-27**	***584-1-MOJ***	***584-2-MOJ***	***584-3-MOJ***	***584-5-MOJ***
Sample ID	**202M-001M**	**C032C459**	**C032C460**	**C032C461**	**C032C462**	**C032C463**	**C032C464**	**C032C465**	**C032C466**	***584-1Z***	***584-2Z***	***584-3Z***	***584-5Z***
Sample Type	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	***REG***	***REG***	***REG***	***REG***
Depth Interval (feet bgs)	**5.1–5.7**	**0–0.5**	**0.5–2**	**2–4**	**4–8**	**0–0.5**	**0.5–2**	**2–4**	**4–8**	***6.5–6.5***	***6.5–6.5***	***6.5–6.5***	**–**
Sample Date	**17-Feb-95**	**20-May-02**	**20-May-02**	**20-May-02**	**20-May-02**	**23-May-02**	**23-May-02**	**23-May-02**	**23-May-02**	***29-Aug-97***	***29-Aug-97***	***29-Aug-97***	***29-Aug-97***
Reference	**IT 2001**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***
Semivolatile Organic Compounds (µg/kg) (cont.)													
bis(2-chloroethoxy)methane													
bis(2-chloroethyl)ether													
bis(2-chloro-1-methylethyl)ether													
bis(2-ethylhexyl)phthalate													
4-bromophenyl phenyl ether													
butyl benzyl phthalate													
carbazole													
4-chloroaniline													
4-chloro-3-methylphenol													
2-chloronaphthalene													
2-chlorophenol													
4-chlorophenyl phenyl ether													
chrysene		34	11 J	2.8 J	5.6 U	4.8 J	6.3 U	5.3 U	5.8 U				
dibenz(a,h)anthracene		27 U	27 U	5.3 U	5.6 U	5.3 U	6.3 U	5.3 U	5.8 U				
di-n-butyl phthalate													
dibenzofuran													
1,2-dichlorobenzene													
1,3-dichlorobenzene													
1,4-dichlorobenzene													
3,3'-dichlorobenzidine													
2,4-dichlorophenol													
diethyl phthalate													
2,4-dimethylphenol													
dimethyl phthalate													
4,6-dinitro-2-methylphenol													
2,4-dinitrophenol													
2,4-dinitrotoluene													
2,6-dinitrotoluene													
di-n-octyl phthalate													
fluoranthene		27 U	27 U	5.3 U	5.6 U	1.9 J	6.3 U	5.3 U	5.8 U				
fluorene		27 U	27 U	5.3 U	5.6 U	5.3 U	6.3 U	5.3 U	5.8 U				
hexachlorobenzene													
hexachlorobutadiene													
hexachlorocyclopentadiene													
hexachloroethane													
indeno(1,2,3-cd)pyrene		27 U	27 U	5.3 U	5.6 U	1.3 J	6.3 U	5.3 U	5.8 U				
isophorone													
2-methylnaphthalene		27 U	27 U	5.3 U	5.6 U	5.3 U	6.3 U	5.3 U	5.8 U				
2-methylphenol													
4-methylphenol													
naphthalene		27 U	27 U	5.3 U	5.6 U	5.3 U	6.3 U	5.3 U	5.8 U				
2-nitroaniline													
3-nitroaniline													
4-nitroaniline													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	**150**	**150**	**150**	**150**	**150**	**150**	**150**	**150**	**150**	***150***	***150***	***150***	***150***
Station ID	**202-SS-001**	**32EDC-12-26**	**32EDC-12-26**	**32EDC-12-26**	**32EDC-12-26**	**32EDC-12-27**	**32EDC-12-27**	**32EDC-12-27**	**32EDC-12-27**	***584-1-MOJ***	***584-2-MOJ***	***584-3-MOJ***	***584-5-MOJ***
Sample ID	**202M-001M**	**C032C459**	**C032C460**	**C032C461**	**C032C462**	**C032C463**	**C032C464**	**C032C465**	**C032C466**	***584-1Z***	***584-2Z***	***584-3Z***	***584-5Z***
Sample Type	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	***REG***	***REG***	***REG***	***REG***
Depth Interval (feet bgs)	**5.1–5.7**	**0–0.5**	**0.5–2**	**2–4**	**4–8**	**0–0.5**	**0.5–2**	**2–4**	**4–8**	***6.5–6.5***	***6.5–6.5***	***6.5–6.5***	***–***
Sample Date	**17-Feb-95**	**20-May-02**	**20-May-02**	**20-May-02**	**20-May-02**	**23-May-02**	**23-May-02**	**23-May-02**	**23-May-02**	***29-Aug-97***	***29-Aug-97***	***29-Aug-97***	***29-Aug-97***
Reference	**IT 2001**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***
Semivolatile Organic Compounds (µg/kg) (cont.)													
nitrobenzene													
4-nitrophenol													
2-nitrophenol													
N-nitrosodimethylamine													
N-nitrosodiphenylamine													
N-nitroso-di-n-propylamine													
pentachlorophenol													
phenanthrene		27 U	27 U	5.3 U	5.6 U	5.3 U	6.3 U	5.3 U	5.8 U				
phenol													
pyrene		27 U	27 U	5.3 U	5.6 U	3.3 J	6.3 U	5.3 U	5.8 U				
1,2,4-trichlorobenzene													
2,4,5-trichlorophenol													
2,4,6-trichlorophenol													
Pesticides/Polychlorinated Biphenyls (µg/kg)													
aldrin													
Aroclor 1016													
Aroclor 1221													
Aroclor 1232													
Aroclor 1242													
Aroclor 1248													
Aroclor 1254													
Aroclor 1260													
alpha-BHC													
beta-BHC													
delta-BHC													
gamma-BHC (lindane)													
alpha-chlordane													
gamma-chlordane													
4,4´-DDD													
4,4´-DDE													
4,4´-DDT													
dieldrin													
endosulfan I													
endosulfan II													
endosulfan sulfate													
endrin													
endrin aldehyde													
endrin ketone													
heptachlor													
heptachlor epoxide													
methoxychlor													
toxaphene													
Dioxins/Furans (µg/kg)													
heptachlorodibenzo-p-dioxins													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	150	150	150	150	150	150	150	150	150	*150*	*150*	*150*	*150*
Station ID	202-SS-001	32EDC-12-26	32EDC-12-26	32EDC-12-26	32EDC-12-26	32EDC-12-27	32EDC-12-27	32EDC-12-27	32EDC-12-27	*584-1-MOJ*	*584-2-MOJ*	*584-3-MOJ*	*584-5-MOJ*
Sample ID	202M-001M	C032C459	C032C460	C032C461	C032C462	C032C463	C032C464	C032C465	C032C466	*584-1Z*	*584-2Z*	*584-3Z*	*584-5Z*
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	5.1–5.7	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	*6.5–6.5*	*6.5–6.5*	*6.5–6.5*	–
Sample Date	17-Feb-95	20-May-02	20-May-02	20-May-02	20-May-02	23-May-02	23-May-02	23-May-02	23-May-02	*29-Aug-97*	*29-Aug-97*	*29-Aug-97*	*29-Aug-97*
Reference	IT 2001	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Dioxins/Furans (µg/kg) (cont.)													
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin													
heptachlorodibenzofurans													
1,2,3,4,6,7,8-heptachlorodibenzofuran													
1,2,3,4,7,8,9-heptachlorodibenzofuran													
hexachlorodibenzo-p-dioxins													
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin													
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin													
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin													
hexachlorodibenzofurans													
1,2,3,4,7,8-hexachlorodibenzofuran													
1,2,3,6,7,8-hexachlorodibenzofuran													
1,2,3,7,8,9-hexachlorodibenzofuran													
2,3,4,6,7,8-hexachlorodibenzofuran													
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin													
1,2,3,4,6,7,8,9-octachlorodibenzofuran													
pentachlorodibenzo-p-dioxins													
1,2,3,7,8-pentachlorodibenzo-p-dioxin													
pentachlorodibenzofurans													
1,2,3,7,8-pentachlorodibenzofuran													
2,3,4,7,8-pentachlorodibenzofuran													
tetrachlorodibenzo-p-dioxins													
2,3,7,8-tetrachlorodibenzo-p-dioxin													
tetrachlorodibenzofurans													
2,3,7,8-tetrachlorodibenzofuran													
Organotins (µg/kg)													
dibutyltin													
monobutyltin													
tetrabutyltin													
tributyltin													
Metals (mg/kg)													
aluminum													
antimony	25 U												
arsenic													
barium													
beryllium	25 U												
cadmium	25 U												
calcium													
chromium	25 U												
cobalt													
copper	25 U												
iron													
lead	25 U												
tetraethyllead													
magnesium													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	**150**	**150**	**150**	**150**	**150**	**150**	**150**	**150**	**150**	***150***	***150***	***150***	***150***
Station ID	**202-SS-001**	**32EDC-12-26**	**32EDC-12-26**	**32EDC-12-26**	**32EDC-12-26**	**32EDC-12-27**	**32EDC-12-27**	**32EDC-12-27**	**32EDC-12-27**	***584-1-MOJ***	***584-2-MOJ***	***584-3-MOJ***	***584-5-MOJ***
Sample ID	**202M-001M**	**C032C459**	**C032C460**	**C032C461**	**C032C462**	**C032C463**	**C032C464**	**C032C465**	**C032C466**	***584-1Z***	***584-2Z***	***584-3Z***	***584-5Z***
Sample Type	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	***REG***	***REG***	***REG***	***REG***
Depth Interval (feet bgs)	**5.1–5.7**	**0–0.5**	**0.5–2**	**2–4**	**4–8**	**0–0.5**	**0.5–2**	**2–4**	**4–8**	***6.5–6.5***	***6.5–6.5***	***6.5–6.5***	**–**
Sample Date	**17-Feb-95**	**20-May-02**	**20-May-02**	**20-May-02**	**20-May-02**	**23-May-02**	**23-May-02**	**23-May-02**	**23-May-02**	***29-Aug-97***	***29-Aug-97***	***29-Aug-97***	***29-Aug-97***
Reference	**IT 2001**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***
Metals (mg/kg) (cont.)													
manganese													
mercury	25 U												
molybdenum													
nickel	35												
potassium													
selenium													
silver	25 U												
sodium													
thallium													
vanadium													
zinc	26												

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	150	150	150	150	150	150	150	150	150	150	150	150	150
Station ID	584-6-MOJ	584-7-MOJ	584-E	584-MW1	584-MW2	584-MW3	584-P1-PWC	584-P2-PWC	584-P3-PWC	584-P4	584-W	CAA9A-DGS-DP01	CAA9A-DGS-DP01
Sample ID	584-6Z	584-7Z	584-E	584-MW1V	584-MW2V	584-MW3V	584-P1	584-P2	584-P3	584-P4	584-W	385-CAA9A-004	385-CAA9A-004A
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	6.5–6.5	6.5–6.5	5–5	4–4	4.5–4.5	4.5–4.5	2–2	2–2	2–2	2–2	5–5	1.5–2	1.5–2
Sample Date	29-Aug-97	29-Aug-97	04-Nov-94	17-Jan-95	17-Jan-95	18-Jan-95	26-Jan-95	26-Jan-95	26-Jan-95	26-Jan-95	04-Nov-94	13-Sep-01	13-Sep-01
Reference	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004
Volatile Organic Compounds (µg/kg)													
acetone												22 UJ	
benzene	5 U	1 U	120 U	6,000	6,000	6,000	5 U	5 U	5 U	5 U	500 U	5.5 U	
bromobenzene												5.5 U	
bromochloromethane												5.5 U	
bromodichloromethane												5.5 U	
bromoform												5.5 U	
bromomethane												11 U	
2-butanone												11 UJ	
n-butylbenzene												5.5 U	
sec-butylbenzene												5.5 U	
tert-butylbenzene												5.5 U	
carbon disulfide												5.5 UJ	
carbon tetrachloride												5.5 U	
chlorobenzene												5.5 U	
chlorodibromomethane												5.5 U	
chloroethane												11 U	
chloroform												5.5 U	
chloromethane												11 U	
2-chlorotoluene												5.5 U	
4-chlorotoluene												5.5 U	
1,2-dibromo-3-chloropropane												5.5 U	
1,2-dibromoethane												5.5 U	
dibromomethane												5.5 U	
1,2-dichlorobenzene												5.5 U	
1,3-dichlorobenzene												5.5 U	
1,4-dichlorobenzene												5.5 U	
dichlorodifluoromethane												11 U	
1,1-dichloroethane												5.5 U	
1,2-dichloroethane												5.5 U	
1,1-dichloroethene												5.5 U	
cis-1,2-dichloroethene												5.5 U	
trans-1,2-dichloroethene												5.5 U	
1,2-dichloroethene													
1,2-dichloropropane												5.5 U	
1,3-dichloropropane												5.5 U	
sec-dichloropropane												5.5 U	
1,1-dichloropropene												5.5 U	
cis-1,3-dichloropropene												5.5 U	
trans-1,3-dichloropropene												5.5 U	
ethylbenzene	5 U	1 U	180	6,000 U	6,000 U	6,000 U	5 U	5 U	5 U	5 U	500 U	5.5 U	
n-hexane													
2-hexanone												11 UJ	
isopropylbenzene												5.5 U	
p-isopropyltoluene												5.5 U	

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*
Station ID	*584-6-MOJ*	*584-7-MOJ*	*584-E*	*584-MW1*	*584-MW2*	*584-MW3*	*584-P1-PWC*	*584-P2-PWC*	*584-P3-PWC*	*584-P4*	*584-W*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*
Sample ID	*584-6Z*	*584-7Z*	*584-E*	*584-MW1V*	*584-MW2V*	*584-MW3V*	*584-P1*	*584-P2*	*584-P3*	*584-P4*	*584-W*	*385-CAA9A-004*	*385-CAA9A-004A*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*6.5–6.5*	*6.5–6.5*	*5–5*	*4–4*	*4.5–4.5*	*4.5–4.5*	*2–2*	*2–2*	*2–2*	*2–2*	*5–5*	*1.5–2*	*1.5–2*
Sample Date	*29-Aug-97*	*29-Aug-97*	*04-Nov-94*	*17-Jan-95*	*17-Jan-95*	*18-Jan-95*	*26-Jan-95*	*26-Jan-95*	*26-Jan-95*	*26-Jan-95*	*04-Nov-94*	*13-Sep-01*	*13-Sep-01*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Volatile Organic Compounds (µg/kg) (cont.)													
methyl tert-butyl ether	*50 U*	*50 U*										*5.5 U*	
methylene chloride												*22 U*	
4-methyl-2-pentanone												*11 U*	
n-propylbenzene												*5.5 U*	
styrene												*5.5 U*	
1,1,1,2-tetrachloroethane												*5.5 U*	
1,1,2,2-tetrachloroethane												*5.5 U*	
tetrachloroethene												*5.5 U*	
toluene	*5 U*	*1 U*	*190*	*6,000*	*6,000*	*6,000*	*5 U*	*5 U*	*5 U*	*5 U*	*500 U*	*5.5 U*	
1,2,3-trichlorobenzene												*5.5 UJ*	
1,2,4-trichlorobenzene													
1,1,1-trichloroethane												*5.5 U*	
1,1,2-trichloroethane												*5.5 U*	
trichloroethene												*5.5 U*	
trichlorofluoromethane												*5.5 UJ*	
1,2,3-trichloropropane												*5.5 U*	
1,1,2-trichloro-1,2,2-trifluoroethane												*5.5 U*	
1,2,4-trimethylbenzene												*5.5 U*	
1,3,5-trimethylbenzene												*5.5 U*	
vinyl acetate												*55 U*	
vinyl chloride												*11 U*	
meta-,para-xylene													
m-, p-xylene												*5.5 U*	
o-xylene												*5.5 U*	
xylenes, total	*5 U*	*2 U*	*2300*	*6,000 U*	*6,000 U*	*6,000 U*	*5 U*	*5 U*	*5 U*	*5 U*	*3,400*		
Petroleum Hydrocarbons (µg/kg)													
diesel	*1,000 U*	*5,000 U*	*2,600,000*	*1,000 U*	*1,000 U*	*1,000 U*	*4,300*	*6,800*	*3,800*	*16,000*	*20,000,000*		*12,000 U*
gasoline	*1,000 U*	*200 U*	*340,000*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000 U*	*1,000,000*	*230 U*	
jet fuel #5 (JP5)	*1,000 U*		*2,300,000*				*1,900*	*1,300*	*1,100*	*3,000*	*14,000,000*		
JP-5													*12,000 U*
motor oil	*10,000 U*		*2,100,000*				*14,000*	*52,000*	*24,000*	*110,000*	*6,500,000*		*12,000 U*
oil and grease													
Semivolatile Organic Compounds (µg/kg)													
acenaphthene													
acenaphthylene													
aniline													
anthracene													
benz(a)anthracene													
benzidine													
benzo(b)fluoranthene													
benzo(k)fluoranthene													
benzo(g,h,i)perylene													
benzo(a)pyrene													
benzyl alcohol													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*
Station ID	*584-6-MOJ*	*584-7-MOJ*	*584-E*	*584-MW1*	*584-MW2*	*584-MW3*	*584-P1-PWC*	*584-P2-PWC*	*584-P3-PWC*	*584-P4*	*584-W*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*
Sample ID	*584-6Z*	*584-7Z*	*584-E*	*584-MW1V*	*584-MW2V*	*584-MW3V*	*584-P1*	*584-P2*	*584-P3*	*584-P4*	*584-W*	*385-CAA9A-004*	*385-CAA9A-004A*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*6.5–6.5*	*6.5–6.5*	*5–5*	*4–4*	*4.5–4.5*	*4.5–4.5*	*2–2*	*2–2*	*2–2*	*2–2*	*5–5*	*1.5–2*	*1.5–2*
Sample Date	*29-Aug-97*	*29-Aug-97*	*04-Nov-94*	*17-Jan-95*	*17-Jan-95*	*18-Jan-95*	*26-Jan-95*	*26-Jan-95*	*26-Jan-95*	*26-Jan-95*	*04-Nov-94*	*13-Sep-01*	*13-Sep-01*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/kg) (cont.)													
bis(2-chloroethoxy)methane													
bis(2-chloroethyl)ether													
bis(2-chloro-1-methylethyl)ether													
bis(2-ethylhexyl)phthalate													
4-bromophenyl phenyl ether													
butyl benzyl phthalate													
carbazole													
4-chloroaniline													
4-chloro-3-methylphenol													
2-chloronaphthalene													
2-chlorophenol													
4-chlorophenyl phenyl ether													
chrysene													
dibenz(a,h)anthracene													
di-n-butyl phthalate													
dibenzofuran													
1,2-dichlorobenzene													
1,3-dichlorobenzene													
1,4-dichlorobenzene													
3,3'-dichlorobenzidine													
2,4-dichlorophenol													
diethyl phthalate													
2,4-dimethylphenol													
dimethyl phthalate													
4,6-dinitro-2-methylphenol													
2,4-dinitrophenol													
2,4-dinitrotoluene													
2,6-dinitrotoluene													
di-n-octyl phthalate													
fluoranthene													
fluorene													
hexachlorobenzene													
hexachlorobutadiene												*5.5 U*	
hexachlorocyclopentadiene													
hexachloroethane													
indeno(1,2,3-cd)pyrene													
isophorone													
2-methylnaphthalene													
2-methylphenol													
4-methylphenol													
naphthalene												*5.5 U*	
2-nitroaniline													
3-nitroaniline													
4-nitroaniline													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*
Station ID	*584-6-MOJ*	*584-7-MOJ*	*584-E*	*584-MW1*	*584-MW2*	*584-MW3*	*584-P1-PWC*	*584-P2-PWC*	*584-P3-PWC*	*584-P4*	*584-W*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*
Sample ID	*584-6Z*	*584-7Z*	*584-E*	*584-MW1V*	*584-MW2V*	*584-MW3V*	*584-P1*	*584-P2*	*584-P3*	*584-P4*	*584-W*	*385-CAA9A-004*	*385-CAA9A-004A*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*6.5–6.5*	*6.5–6.5*	*5–5*	*4–4*	*4.5–4.5*	*4.5–4.5*	*2–2*	*2–2*	*2–2*	*2–2*	*5–5*	*1.5–2*	*1.5–2*
Sample Date	*29-Aug-97*	*29-Aug-97*	*04-Nov-94*	*17-Jan-95*	*17-Jan-95*	*18-Jan-95*	*26-Jan-95*	*26-Jan-95*	*26-Jan-95*	*26-Jan-95*	*04-Nov-94*	*13-Sep-01*	*13-Sep-01*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Semivolatile Organic Compounds (µg/kg) (cont.)													
nitrobenzene													
4-nitrophenol													
2-nitrophenol													
N-nitrosodimethylamine													
N-nitrosodiphenylamine													
N-nitroso-di-n-propylamine													
pentachlorophenol													
phenanthrene													
phenol													
pyrene													
1,2,4-trichlorobenzene												*5.5 UJ*	
2,4,5-trichlorophenol													
2,4,6-trichlorophenol													
Pesticides/Polychlorinated Biphenyls (µg/kg)													
aldrin													
Aroclor 1016													
Aroclor 1221													
Aroclor 1232													
Aroclor 1242													
Aroclor 1248													
Aroclor 1254													
Aroclor 1260													
alpha-BHC													
beta-BHC													
delta-BHC													
gamma-BHC (lindane)													
alpha-chlordane													
gamma-chlordane													
4,4´-DDD													
4,4´-DDE													
4,4´-DDT													
dieldrin													
endosulfan I													
endosulfan II													
endosulfan sulfate													
endrin													
endrin aldehyde													
endrin ketone													
heptachlor													
heptachlor epoxide													
methoxychlor													
toxaphene													
Dioxins/Furans (µg/kg)													
heptachlorodibenzo-p-dioxins													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*
Station ID	*584-6-MOJ*	*584-7-MOJ*	*584-E*	*584-MW1*	*584-MW2*	*584-MW3*	*584-P1-PWC*	*584-P2-PWC*	*584-P3-PWC*	*584-P4*	*584-W*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*
Sample ID	*584-6Z*	*584-7Z*	*584-E*	*584-MW1V*	*584-MW2V*	*584-MW3V*	*584-P1*	*584-P2*	*584-P3*	*584-P4*	*584-W*	*385-CAA9A-004*	*385-CAA9A-004A*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*6.5–6.5*	*6.5–6.5*	*5–5*	*4–4*	*4.5–4.5*	*4.5–4.5*	*2–2*	*2–2*	*2–2*	*2–2*	*5–5*	*1.5–2*	*1.5–2*
Sample Date	*29-Aug-97*	*29-Aug-97*	*04-Nov-94*	*17-Jan-95*	*17-Jan-95*	*18-Jan-95*	*26-Jan-95*	*26-Jan-95*	*26-Jan-95*	*26-Jan-95*	*04-Nov-94*	*13-Sep-01*	*13-Sep-01*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Dioxins/Furans (µg/kg) (cont.)													
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin													
heptachlorodibenzofurans													
1,2,3,4,6,7,8-heptachlorodibenzofuran													
1,2,3,4,7,8,9-heptachlorodibenzofuran													
hexachlorodibenzo-p-dioxins													
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin													
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin													
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin													
hexachlorodibenzofurans													
1,2,3,4,7,8-hexachlorodibenzofuran													
1,2,3,6,7,8-hexachlorodibenzofuran													
1,2,3,7,8,9-hexachlorodibenzofuran													
2,3,4,6,7,8-hexachlorodibenzofuran													
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin													
1,2,3,4,6,7,8,9-octachlorodibenzofuran													
pentachlorodibenzo-p-dioxins													
1,2,3,7,8-pentachlorodibenzo-p-dioxin													
pentachlorodibenzofurans													
1,2,3,7,8-pentachlorodibenzofuran													
2,3,4,7,8-pentachlorodibenzofuran													
tetrachlorodibenzo-p-dioxins													
2,3,7,8-tetrachlorodibenzo-p-dioxin													
tetrachlorodibenzofurans													
2,3,7,8-tetrachlorodibenzofuran													
Organotins (µg/kg)													
dibutyltin													
monobutyltin													
tetrabutyltin													
tributyltin													
Metals (mg/kg)													
aluminum													
antimony													
arsenic													
barium													
beryllium													
cadmium													
calcium													
chromium													
cobalt													
copper													
iron													
lead													
tetraethyllead													
magnesium													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*	*150*
Station ID	*584-6-MOJ*	*584-7-MOJ*	*584-E*	*584-MW1*	*584-MW2*	*584-MW3*	*584-P1-PWC*	*584-P2-PWC*	*584-P3-PWC*	*584-P4*	*584-W*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*
Sample ID	*584-6Z*	*584-7Z*	*584-E*	*584-MW1V*	*584-MW2V*	*584-MW3V*	*584-P1*	*584-P2*	*584-P3*	*584-P4*	*584-W*	*385-CAA9A-004*	*385-CAA9A-004A*
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*
Depth Interval (feet bgs)	*6.5–6.5*	*6.5–6.5*	*5–5*	*4–4*	*4.5–4.5*	*4.5–4.5*	*2–2*	*2–2*	*2–2*	*2–2*	*5–5*	*1.5–2*	*1.5–2*
Sample Date	*29-Aug-97*	*29-Aug-97*	*04-Nov-94*	*17-Jan-95*	*17-Jan-95*	*18-Jan-95*	*26-Jan-95*	*26-Jan-95*	*26-Jan-95*	*26-Jan-95*	*04-Nov-94*	*13-Sep-01*	*13-Sep-01*
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*
Metals (mg/kg) (cont.)													
manganese													
mercury													
molybdenum													
nickel													
potassium													
selenium													
silver													
sodium													
thallium													
vanadium													
zinc													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*150*	*150*	*150*	*150*	*150*	*150*	150B	150B	150B	150B	150B
Station ID	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	150-003-006	150-003-007	150-003-007	150-004-009	150-004-009
Sample ID	*385-CAA9A-005*	*385-CAA9A-005A*	*385-CAA9A-006*	*385-CAA9A-006A*	*385-CAA9A-007*	*385-CAA9A-007A*	150-0006M	150-0007	150-0007M	150-0009	150-0009M
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	*4.5–5*	*4.5–5*	*7–7.5*	*7–7.5*	*10–10.5*	*10–10.5*	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5
Sample Date	*13-Sep-01*	*13-Sep-01*	*13-Sep-01*	*13-Sep-01*	*13-Sep-01*	*13-Sep-01*	22-Jun-95	22-Jun-95	22-Jun-95	22-Jun-95	22-Jun-95
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg)											
acetone	*21 UJ*		*23 UJ*		*24 UJ*		23 U	10 U	21 U	11 U	22 U
benzene	*5.4 U*		*5.8 U*		*6 U*		6 U	10 U	5 U	11 U	5 U
bromobenzene	*5.4 U*		*5.8 U*		*6 U*						
bromochloromethane	*5.4 U*		*5.8 U*		*6 U*						
bromodichloromethane	*5.4 U*		*5.8 U*		*6 U*		6 U	10 U	5 U	11 U	5 U
bromoform	*5.4 U*		*5.8 U*		*6 U*		6 U	10 U	5 U	11 U	5 U
bromomethane	*11 U*		*12 U*		*12 U*		11 U	10 U	10 U	11 U	11 U
2-butanone	*11 UJ*		*12 UJ*		*12 UJ*		11 U	10 U	10 U	11 U	11 U
n-butylbenzene	*5.4 U*		*5.8 U*		*6 U*						
sec-butylbenzene	*5.4 U*		*5.8 U*		*6 U*						
tert-butylbenzene	*5.4 U*		*5.8 U*		*6 U*						
carbon disulfide	*5.4 UJ*		*5.8 UJ*		*6 UJ*		6 U	10 U	5 U	11 U	5 U
carbon tetrachloride	*5.4 U*		*5.8 U*		*6 U*		6 U	10 U	5 U	11 U	5 U
chlorobenzene	*5.4 U*		*5.8 U*		*6 U*		6 U	10 U	5 U	11 U	5 U
chlorodibromomethane	*5.4 U*		*5.8 U*		*6 U*		6 U	10 U	5 U	11 U	5 U
chloroethane	*11 U*		*12 U*		*12 U*		11 U	10 U	10 U	11 U	11 U
chloroform	*5.4 U*		*5.8 U*		*6 U*		6 U	10 U	5 U	11 U	5 U
chloromethane	*11 U*		*12 U*		*12 U*		11 U	10 U	10 U	11 U	11 U
2-chlorotoluene	*5.4 U*		*5.8 U*		*6 U*						
4-chlorotoluene	*5.4 U*		*5.8 U*		*6 U*						
1,2-dibromo-3-chloropropane	*5.4 U*		*5.8 U*		*6 U*						
1,2-dibromoethane	*5.4 U*		*5.8 U*		*6 U*						
dibromomethane	*5.4 U*		*5.8 U*		*6 U*						
1,2-dichlorobenzene	*5.4 U*		*5.8 U*		*6 U*						
1,3-dichlorobenzene	*5.4 U*		*5.8 U*		*6 U*						
1,4-dichlorobenzene	*5.4 U*		*5.8 U*		*6 U*						
dichlorodifluoromethane	*11 U*		*12 U*		*12 U*						
1,1-dichloroethane	*5.4 U*		*5.8 U*		*6 U*		6 U	10 U	5 U	11 U	5 U
1,2-dichloroethane	*5.4 U*		*5.8 U*		*6 U*		6 U	10 U	5 U	11 U	5 U
1,1-dichloroethene	*5.4 U*		*5.8 U*		*6 U*		6 U	10 U	5 U	11 U	5 U
cis-1,2-dichloroethene	*5.4 U*		*5.8 U*		*6 U*		6 U		5 U		5 U
trans-1,2-dichloroethene	*5.4 U*		*5.8 U*		*6 U*		6 U		5 U		5 U
1,2-dichloroethene								10 U		11 U	
1,2-dichloropropane	*5.4 U*		*5.8 U*		*6 U*		6 U	10 U	5 U	11 U	5 U
1,3-dichloropropane	*5.4 U*		*5.8 U*		*6 U*						
sec-dichloropropane	*5.4 U*		*5.8 U*		*6 U*						
1,1-dichloropropene	*5.4 U*		*5.8 U*		*6 U*						
cis-1,3-dichloropropene	*5.4 U*		*5.8 U*		*6 U*		6 U	10 U	5 U	11 U	5 U
trans-1,3-dichloropropene	*5.4 U*		*5.8 U*		*6 U*		6 U	10 U	5 U	11 U	5 U
ethylbenzene	*5.4 U*		*5.8 U*		*6 U*		6 U	10 U	5 U	11 U	5 U
n-hexane							6 U		5 U		5 U
2-hexanone	*11 UJ*		*12 UJ*		*12 UJ*		11 U	10 U	10 U	11 U	11 U
isopropylbenzene	*5.4 U*		*5.8 U*		*6 U*						
p-isopropyltoluene	*5.4 U*		*5.8 U*		*6 U*						

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*150*	*150*	*150*	*150*	*150*	*150*	150B	150B	150B	150B	150B
Station ID	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	150-003-006	150-003-007	150-003-007	150-004-009	150-004-009
Sample ID	*385-CAA9A-005*	*385-CAA9A-005A*	*385-CAA9A-006*	*385-CAA9A-006A*	*385-CAA9A-007*	*385-CAA9A-007A*	150-0006M	150-0007	150-0007M	150-0009	150-0009M
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	*4.5–5*	*4.5–5*	*7–7.5*	*7–7.5*	*10–10.5*	*10–10.5*	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5
Sample Date	*13-Sep-01*	*13-Sep-01*	*13-Sep-01*	*13-Sep-01*	*13-Sep-01*	*13-Sep-01*	22-Jun-95	22-Jun-95	22-Jun-95	22-Jun-95	22-Jun-95
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg) (cont.)											
methyl tert-butyl ether	*5.4 U*		*5.8 U*		*6 U*						
methylene chloride	*21 U*		*23 U*		*24 U*		23 U	10 U	21 U	11 U	22 U
4-methyl-2-pentanone	*11 U*		*12 U*		*12 U*		11 U	10 U	10 U	11 U	11 U
n-propylbenzene	*5.4 U*		*5.8 U*		*6 U*						
styrene	*5.4 U*		*5.8 U*		*6 U*		6 U	10 U	5 U	11 U	5 U
1,1,1,2-tetrachloroethane	*5.4 U*		*5.8 U*		*6 U*						
1,1,2,2-tetrachloroethane	*5.4 U*		*5.8 U*		*6 U*		6 U	10 U	5 U	11 U	5 U
tetrachloroethene	*5.4 U*		*5.8 U*		*6 U*		6 U	10 U	5 U	11 U	5 U
toluene	*5.4 U*		*5.8 U*		*6 U*		6 U	10 U	5 U	11 U	5 U
1,2,3-trichlorobenzene	*5.4 UJ*		*5.8 UJ*		*6 UJ*						
1,2,4-trichlorobenzene											
1,1,1-trichloroethane	*5.4 U*		*5.8 U*		*6 U*		6 U	10 U	5 U	11 U	5 U
1,1,2-trichloroethane	*5.4 U*		*5.8 U*		*6 U*		6 U	10 U	5 U	11 U	5 U
trichloroethene	*5.4 U*		*5.8 U*		*6 U*		6 U	10 U	5 U	11 U	5 U
trichlorofluoromethane	*5.4 UJ*		*5.8 UJ*		*6 UJ*		6 U		5 U		5 U
1,2,3-trichloropropane	*5.4 U*		*5.8 U*		*6 U*						
1,1,2-trichloro-1,2,2-trifluoroethane	*5.4 U*		*5.8 U*		*6 U*						
1,2,4-trimethylbenzene	*5.4 U*		*5.8 U*		*6 U*						
1,3,5-trimethylbenzene	*5.4 U*		*5.8 U*		*6 U*						
vinyl acetate	*54 U*		*58 U*		*60 U*		57 U		52 U		54 U
vinyl chloride	*11 U*		*12 U*		*12 U*		11 U	10 U	10 U	11 U	11 U
meta-,para-xylene							6 U		5 U		5 U
m-, p-xylene	*5.4 U*		*5.8 U*		*6 U*						
o-xylene	*5.4 U*		*5.8 U*		*6 U*		6 U		5 U		5 U
xylenes, total								10 U		11 U	
Petroleum Hydrocarbons (µg/kg)											
diesel		*11,000 U*		*12,000 U*		*12,000 U*	1,000 U	10,000 U	2,000	11,000 U	2,000
gasoline	*210 U*		*260 U*		*240 U*		600 U	500 U	500 U	500 U	500 U
jet fuel #5 (JP5)											
JP-5		*11,000 U*		*12,000 U*		*12,000 U*					
motor oil		*12,000 J*		*12,000 U*		*22,000 J*	29,000 U	34,000 J	300,000	21,000 U	55,000
oil and grease											
Semivolatile Organic Compounds (µg/kg)											
acenaphthene											
acenaphthylene											
aniline											
anthracene											
benz(a)anthracene											
benzidine											
benzo(b)fluoranthene											
benzo(k)fluoranthene											
benzo(g,h,i)perylene											
benzo(a)pyrene											
benzyl alcohol											

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*150*	*150*	*150*	*150*	*150*	*150*	150B	150B	150B	150B	150B
Station ID	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	150-003-006	150-003-007	150-003-007	150-004-009	150-004-009
Sample ID	*385-CAA9A-005*	*385-CAA9A-005A*	*385-CAA9A-006*	*385-CAA9A-006A*	*385-CAA9A-007*	*385-CAA9A-007A*	150-0006M	150-0007	150-0007M	150-0009	150-0009M
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	*4.5–5*	*4.5–5*	*7–7.5*	*7–7.5*	*10–10.5*	*10–10.5*	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5
Sample Date	*13-Sep-01*	*13-Sep-01*	*13-Sep-01*	*13-Sep-01*	*13-Sep-01*	*13-Sep-01*	22-Jun-95	22-Jun-95	22-Jun-95	22-Jun-95	22-Jun-95
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)											
bis(2-chloroethoxy)methane											
bis(2-chloroethyl)ether											
bis(2-chloro-1-methylethyl)ether											
bis(2-ethylhexyl)phthalate											
4-bromophenyl phenyl ether											
butyl benzyl phthalate											
carbazole											
4-chloroaniline											
4-chloro-3-methylphenol											
2-chloronaphthalene											
2-chlorophenol											
4-chlorophenyl phenyl ether											
chrysene											
dibenz(a,h)anthracene											
di-n-butyl phthalate											
dibenzofuran											
1,2-dichlorobenzene											
1,3-dichlorobenzene											
1,4-dichlorobenzene											
3,3'-dichlorobenzidine											
2,4-dichlorophenol											
diethyl phthalate											
2,4-dimethylphenol											
dimethyl phthalate											
4,6-dinitro-2-methylphenol											
2,4-dinitrophenol											
2,4-dinitrotoluene											
2,6-dinitrotoluene											
di-n-octyl phthalate											
fluoranthene											
fluorene											
hexachlorobenzene											
hexachlorobutadiene	*5.4 U*		*5.8 U*		*6 U*						
hexachlorocyclopentadiene											
hexachloroethane											
indeno(1,2,3-cd)pyrene											
isophorone											
2-methylnaphthalene											
2-methylphenol											
4-methylphenol											
naphthalene	*5.4 U*		*5.8 U*		*6 U*						
2-nitroaniline											
3-nitroaniline											
4-nitroaniline											

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*150*	*150*	*150*	*150*	*150*	*150*	150B	150B	150B	150B	150B
Station ID	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	150-003-006	150-003-007	150-003-007	150-004-009	150-004-009
Sample ID	*385-CAA9A-005*	*385-CAA9A-005A*	*385-CAA9A-006*	*385-CAA9A-006A*	*385-CAA9A-007*	*385-CAA9A-007A*	150-0006M	150-0007	150-0007M	150-0009	150-0009M
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	*4.5–5*	*4.5–5*	*7–7.5*	*7–7.5*	*10–10.5*	*10–10.5*	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5
Sample Date	*13-Sep-01*	*13-Sep-01*	*13-Sep-01*	*13-Sep-01*	*13-Sep-01*	*13-Sep-01*	22-Jun-95	22-Jun-95	22-Jun-95	22-Jun-95	22-Jun-95
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)											
nitrobenzene											
4-nitrophenol											
2-nitrophenol											
N-nitrosodimethylamine											
N-nitrosodiphenylamine											
N-nitroso-di-n-propylamine											
pentachlorophenol											
phenanthrene											
phenol											
pyrene											
1,2,4-trichlorobenzene	*5.4 UJ*		*5.8 UJ*		*6 UJ*						
2,4,5-trichlorophenol											
2,4,6-trichlorophenol											
Pesticides/Polychlorinated Biphenyls (µg/kg)											
aldrin											
Aroclor 1016											
Aroclor 1221											
Aroclor 1232											
Aroclor 1242											
Aroclor 1248											
Aroclor 1254											
Aroclor 1260											
alpha-BHC											
beta-BHC											
delta-BHC											
gamma-BHC (lindane)											
alpha-chlordane											
gamma-chlordane											
4,4´-DDD											
4,4´-DDE											
4,4´-DDT											
dieldrin											
endosulfan I											
endosulfan II											
endosulfan sulfate											
endrin											
endrin aldehyde											
endrin ketone											
heptachlor											
heptachlor epoxide											
methoxychlor											
toxaphene											
Dioxins/Furans (µg/kg)											
heptachlorodibenzo-p-dioxins											

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*150*	*150*	*150*	*150*	*150*	*150*	150B	150B	150B	150B	150B
Station ID	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	*CAA9A-DGS-DP01*	150-003-006	150-003-007	150-003-007	150-004-009	150-004-009
Sample ID	*385-CAA9A-005*	*385-CAA9A-005A*	*385-CAA9A-006*	*385-CAA9A-006A*	*385-CAA9A-007*	*385-CAA9A-007A*	150-0006M	150-0007	150-0007M	150-0009	150-0009M
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	*4.5–5*	*4.5–5*	*7–7.5*	*7–7.5*	*10–10.5*	*10–10.5*	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5
Sample Date	*13-Sep-01*	*13-Sep-01*	*13-Sep-01*	*13-Sep-01*	*13-Sep-01*	*13-Sep-01*	22-Jun-95	22-Jun-95	22-Jun-95	22-Jun-95	22-Jun-95
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Dioxins/Furans (µg/kg) (cont.)											
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin											
heptachlorodibenzofurans											
1,2,3,4,6,7,8-heptachlorodibenzofuran											
1,2,3,4,7,8,9-heptachlorodibenzofuran											
hexachlorodibenzo-p-dioxins											
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin											
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin											
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin											
hexachlorodibenzofurans											
1,2,3,4,7,8-hexachlorodibenzofuran											
1,2,3,6,7,8-hexachlorodibenzofuran											
1,2,3,7,8,9-hexachlorodibenzofuran											
2,3,4,6,7,8-hexachlorodibenzofuran											
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin											
1,2,3,4,6,7,8,9-octachlorodibenzofuran											
pentachlorodibenzo-p-dioxins											
1,2,3,7,8-pentachlorodibenzo-p-dioxin											
pentachlorodibenzofurans											
1,2,3,7,8-pentachlorodibenzofuran											
2,3,4,7,8-pentachlorodibenzofuran											
tetrachlorodibenzo-p-dioxins											
2,3,7,8-tetrachlorodibenzo-p-dioxin											
tetrachlorodibenzofurans											
2,3,7,8-tetrachlorodibenzofuran											
Organotins (µg/kg)											
dibutyltin											
monobutyltin											
tetrabutyltin											
tributyltin											
Metals (mg/kg)											
aluminum											
antimony											
arsenic											
barium											
beryllium											
cadmium											
calcium											
chromium											
cobalt											
copper											
iron											
lead											
tetraethyllead											
magnesium											

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	***150***	***150***	***150***	***150***	***150***	***150***	**150B**	**150B**	**150B**	**150B**	**150B**
Station ID	***CAA9A-DGS-DP01***	***CAA9A-DGS-DP01***	***CAA9A-DGS-DP01***	***CAA9A-DGS-DP01***	***CAA9A-DGS-DP01***	***CAA9A-DGS-DP01***	**150-003-006**	**150-003-007**	**150-003-007**	**150-004-009**	**150-004-009**
Sample ID	***385-CAA9A-005***	***385-CAA9A-005A***	***385-CAA9A-006***	***385-CAA9A-006A***	***385-CAA9A-007***	***385-CAA9A-007A***	**150-0006M**	**150-0007**	**150-0007M**	**150-0009**	**150-0009M**
Sample Type	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	**REG**	**REG**	**REG**	**REG**	**REG**
Depth Interval (feet bgs)	***4.5–5***	***4.5–5***	***7–7.5***	***7–7.5***	***10–10.5***	***10–10.5***	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**
Sample Date	***13-Sep-01***	***13-Sep-01***	***13-Sep-01***	***13-Sep-01***	***13-Sep-01***	***13-Sep-01***	**22-Jun-95**	**22-Jun-95**	**22-Jun-95**	**22-Jun-95**	**22-Jun-95**
Reference	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**
Metals (mg/kg) (cont.)											
manganese											
mercury											
molybdenum											
nickel											
potassium											
selenium											
silver											
sodium											
thallium											
vanadium											
zinc											

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B
Station ID	150-005-010	150-005-011	150-005-011	150-005-012	150-005-013	150-005-014	150-005-015	150-SS-001	150-SS-001	150-Z19-016	150-Z19-018	150-Z19-019	150-Z19-019
Sample ID	150-0019M	150-0020	150-0020M	150-0021M	150-0022	150-0023	150-0024	150M-001	150M-001M	150-0016M	150-0018	150-0027	150-0028
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4.5–5	4.5–5	0.5–1	0.5–1	0.5–1	3.5–4
Sample Date	22-Jun-95	22-Jun-95	22-Jun-95	21-Jun-95	22-Jun-95	21-Jun-95	22-Jun-95	01-Mar-95	01-Mar-95	21-Jun-95	20-Jun-95	31-Oct-95	31-Oct-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg)													
acetone						6 J							
benzene						11 U			10 U				
bromobenzene													
bromochloromethane													
bromodichloromethane						11 U							
bromoform						11 U							
bromomethane						11 U							
2-butanone						11 U			10 U				
n-butylbenzene													
sec-butylbenzene													
tert-butylbenzene													
carbon disulfide						11 U							
carbon tetrachloride						11 U							
chlorobenzene						11 U							
chlorodibromomethane						11 U							
chloroethane						11 U							
chloroform						11 U							
chloromethane						11 U							
2-chlorotoluene													
4-chlorotoluene													
1,2-dibromo-3-chloropropane													
1,2-dibromoethane													
dibromomethane													
1,2-dichlorobenzene													
1,3-dichlorobenzene								360 U		350 U		340 U	340 U
1,4-dichlorobenzene								360 U		350 U		340 U	340 U
dichlorodifluoromethane													
1,1-dichloroethane						11 U							
1,2-dichloroethane						11 U			10 U				
1,1-dichloroethene						11 U			10 U				
cis-1,2-dichloroethene									10 U				
trans-1,2-dichloroethene									10 U				
1,2-dichloroethene						10 U							
1,2-dichloropropane						11 U							
1,3-dichloropropane													
sec-dichloropropane													
1,1-dichloropropene													
cis-1,3-dichloropropene						11 U							
trans-1,3-dichloropropene						11 U							
ethylbenzene						11 U			10 U				
n-hexane									20 U				
2-hexanone						11 U							
isopropylbenzene													
p-isopropyltoluene													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B
Station ID	150-005-010	150-005-011	150-005-011	150-005-012	150-005-013	150-005-014	150-005-015	150-SS-001	150-SS-001	150-Z19-016	150-Z19-018	150-Z19-019	150-Z19-019
Sample ID	150-0019M	150-0020	150-0020M	150-0021M	150-0022	150-0023	150-0024	150M-001	150M-001M	150-0016M	150-0018	150-0027	150-0028
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4.5–5	4.5–5	0.5–1	0.5–1	0.5–1	3.5–4
Sample Date	22-Jun-95	22-Jun-95	22-Jun-95	21-Jun-95	22-Jun-95	21-Jun-95	22-Jun-95	01-Mar-95	01-Mar-95	21-Jun-95	20-Jun-95	31-Oct-95	31-Oct-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg) (cont.)													
methyl tert-butyl ether													
methylene chloride						11 U			10 U				
4-methyl-2-pentanone						11 U							
n-propylbenzene													
styrene						11 U							
1,1,1,2-tetrachloroethane													
1,1,2,2-tetrachloroethane						11 U							
tetrachloroethene						11 U			10 U				
toluene						11 U			10 U				
1,2,3-trichlorobenzene													
1,2,4-trichlorobenzene								360 U		350 U		340 U	340 U
1,1,1-trichloroethane						11 U			10 U				
1,1,2-trichloroethane						11 U							
trichloroethene						11 U			10 U				
trichlorofluoromethane													
1,2,3-trichloropropane													
1,1,2-trichloro-1,2,2-trifluoroethane													
1,2,4-trimethylbenzene													
1,3,5-trimethylbenzene													
vinyl acetate													
vinyl chloride						11 U			10 U				
meta-,para-xylene									20 U				
m-, p-xylene													
o-xylene									10 U				
xylenes, total						11 U							
Petroleum Hydrocarbons (µg/kg)													
diesel	8,900	11,000 U	11,000 U	1,000 U	12,000 U	11,000 U	11,000 U		50,000 U	3,000		26,000 U	25,000 U
gasoline	600 U	500 U	540 U	600 U	600 U	500 U	500 U		50,000 U	500 U		520 UJ	520 UJ
jet fuel #5 (JP5)													
JP-5													
motor oil	150,000	36,000 J	1,400,000	93,000	41,000 J	57,000 J	130,000 J			1,100,000		26,000 U	25,000 U
oil and grease								3,710,000 J					
Semivolatile Organic Compounds (µg/kg)													
acenaphthene													
acenaphthylene													
aniline										350 U			
anthracene													
benz(a)anthracene													
benzidine										350 U			
benzo(b)fluoranthene													
benzo(k)fluoranthene													
benzo(g,h,i)perylene													
benzo(a)pyrene													
benzyl alcohol										350 U			

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B
Station ID	150-005-010	150-005-011	150-005-011	150-005-012	150-005-013	150-005-014	150-005-015	150-SS-001	150-SS-001	150-Z19-016	150-Z19-018	150-Z19-019	150-Z19-019
Sample ID	150-0019M	150-0020	150-0020M	150-0021M	150-0022	150-0023	150-0024	150M-001	150M-001M	150-0016M	150-0018	150-0027	150-0028
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4.5–5	4.5–5	0.5–1	0.5–1	0.5–1	3.5–4
Sample Date	22-Jun-95	22-Jun-95	22-Jun-95	21-Jun-95	22-Jun-95	21-Jun-95	22-Jun-95	01-Mar-95	01-Mar-95	21-Jun-95	20-Jun-95	31-Oct-95	31-Oct-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)													
bis(2-chloroethoxy)methane								360 U		350 U		340 U	340 U
bis(2-chloroethyl)ether								360 U		350 U		340 U	340 U
bis(2-chloro-1-methylethyl)ether								360 U		350 U		340 U	340 U
bis(2-ethylhexyl)phthalate								360 U		880		340 U	340 U
4-bromophenyl phenyl ether								360 U		350 U		340 U	340 U
butyl benzyl phthalate								360 U		350 U		340 U	340 U
carbazole								360 U				340 U	340 U
4-chloroaniline								360 U		350 U		340 U	340 U
4-chloro-3-methylphenol								360 U		350 U		340 U	340 U
2-chloronaphthalene								360 U		350 U		340 U	340 U
2-chlorophenol								360 U		350 U		340 U	340 U
4-chlorophenyl phenyl ether								360 U		350 U		340 U	340 U
chrysene													
dibenz(a,h)anthracene													
di-n-butyl phthalate								360 U		350 U		340 U	340 U
dibenzofuran								360 U		350 U		340 U	340 U
1,2-dichlorobenzene								360 U		350 U		340 U	340 U
1,3-dichlorobenzene													
1,4-dichlorobenzene													
3,3'-dichlorobenzidine								360 U		1,800 U		340 U	340 U
2,4-dichlorophenol								360 U		350 U		340 U	340 U
diethyl phthalate								360 U		350 U		340 U	340 U
2,4-dimethylphenol								360 U		350 U		340 U	340 U
dimethyl phthalate								360 U		350 U		340 U	340 U
4,6-dinitro-2-methylphenol								870 U		1,800 U		830 U	810 U
2,4-dinitrophenol								870 U		1,800 U		830 U	810 U
2,4-dinitrotoluene								360 U		350 U		340 U	340 U
2,6-dinitrotoluene								360 U		350 U		340 U	340 U
di-n-octyl phthalate								360 U		350 U		340 U	340 U
fluoranthene													
fluorene													
hexachlorobenzene								360 U		350 U		340 U	340 U
hexachlorobutadiene								360 U		350 U		340 U	340 U
hexachlorocyclopentadiene								360 U		350 U		340 U	340 U
hexachloroethane								360 U		350 U		340 U	340 U
indeno(1,2,3-cd)pyrene													
isophorone								360 U		350 U		340 U	340 U
2-methylnaphthalene													
2-methylphenol								360 U		350 U		340 U	340 U
4-methylphenol								360 U		350 U		340 U	340 U
naphthalene													
2-nitroaniline								870 U		1,800 U		830 U	810 U
3-nitroaniline								870 U		1,800 U		830 U	810 U
4-nitroaniline								870 U		1,800 U		830 U	810 U

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B
Station ID	150-005-010	150-005-011	150-005-011	150-005-012	150-005-013	150-005-014	150-005-015	150-SS-001	150-SS-001	150-Z19-016	150-Z19-018	150-Z19-019	150-Z19-019
Sample ID	150-0019M	150-0020	150-0020M	150-0021M	150-0022	150-0023	150-0024	150M-001	150M-001M	150-0016M	150-0018	150-0027	150-0028
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4.5–5	4.5–5	0.5–1	0.5–1	0.5–1	3.5–4
Sample Date	22-Jun-95	22-Jun-95	22-Jun-95	21-Jun-95	22-Jun-95	21-Jun-95	22-Jun-95	01-Mar-95	01-Mar-95	21-Jun-95	20-Jun-95	31-Oct-95	31-Oct-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)													
nitrobenzene								360 U		350 U		340 U	340 U
4-nitrophenol								870 U		1,800 U		830 U	810 U
2-nitrophenol								360 U		1,800 U		340 U	340 U
N-nitrosodimethylamine										350 U			
N-nitrosodiphenylamine								360 U		350 U		340 U	340 U
N-nitroso-di-n-propylamine								360 U		350 U		340 U	340 U
pentachlorophenol								870 U		1,800 U		830 U	810 U
phenanthrene													
phenol								360 U		350 U		340 U	340 U
pyrene													
1,2,4-trichlorobenzene													
2,4,5-trichlorophenol								870 U		1,800 U		830 U	810 U
2,4,6-trichlorophenol								360 U		350 U		340 U	340 U
Pesticides/Polychlorinated Biphenyls (µg/kg)													
aldrin													
Aroclor 1016										21 U			
Aroclor 1221										21 U			
Aroclor 1232										21 U			
Aroclor 1242										21 U			
Aroclor 1248										21 U			
Aroclor 1254										21 U			
Aroclor 1260										21 U			
alpha-BHC													
beta-BHC													
delta-BHC													
gamma-BHC (lindane)													
alpha-chlordane													
gamma-chlordane													
4,4´-DDD													
4,4´-DDE													
4,4´-DDT													
dieldrin													
endosulfan I													
endosulfan II													
endosulfan sulfate													
endrin													
endrin aldehyde													
endrin ketone													
heptachlor													
heptachlor epoxide													
methoxychlor													
toxaphene													
Dioxins/Furans (µg/kg)													
heptachlorodibenzo-p-dioxins											2.5 U		

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B
Station ID	150-005-010	150-005-011	150-005-011	150-005-012	150-005-013	150-005-014	150-005-015	150-SS-001	150-SS-001	150-Z19-016	150-Z19-018	150-Z19-019	150-Z19-019
Sample ID	150-0019M	150-0020	150-0020M	150-0021M	150-0022	150-0023	150-0024	150M-001	150M-001M	150-0016M	150-0018	150-0027	150-0028
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4.5–5	4.5–5	0.5–1	0.5–1	0.5–1	3.5–4
Sample Date	22-Jun-95	22-Jun-95	22-Jun-95	21-Jun-95	22-Jun-95	21-Jun-95	22-Jun-95	01-Mar-95	01-Mar-95	21-Jun-95	20-Jun-95	31-Oct-95	31-Oct-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Dioxins/Furans (µg/kg) (cont.)													
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin											2.5 U		
heptachlorodibenzofurans											2.5 U		
1,2,3,4,6,7,8-heptachlorodibenzofuran											2.5 U		
1,2,3,4,7,8,9-heptachlorodibenzofuran											2.5 U		
hexachlorodibenzo-p-dioxins											2.5 U		
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin											2.5 U		
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin											2.5 U		
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin											2.5 U		
hexachlorodibenzofurans											2.5 U		
1,2,3,4,7,8-hexachlorodibenzofuran											2.5 U		
1,2,3,6,7,8-hexachlorodibenzofuran											2.5 U		
1,2,3,7,8,9-hexachlorodibenzofuran											2.5 U		
2,3,4,6,7,8-hexachlorodibenzofuran											2.5 U		
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin											5 U		
1,2,3,4,6,7,8,9-octachlorodibenzofuran											5 U		
pentachlorodibenzo-p-dioxins											2.5 U		
1,2,3,7,8-pentachlorodibenzo-p-dioxin											2.5 U		
pentachlorodibenzofurans											2.5 U		
1,2,3,7,8-pentachlorodibenzofuran											2.5 U		
2,3,4,7,8-pentachlorodibenzofuran											2.5 U		
tetrachlorodibenzo-p-dioxins											1 U		
2,3,7,8-tetrachlorodibenzo-p-dioxin											1 U		
tetrachlorodibenzofurans											1 U		
2,3,7,8-tetrachlorodibenzofuran											1 U		
Organotins (µg/kg)													
dibutyltin								0.001 UJ					
monobutyltin								0.001 UJ					
tetrabutyltin								0.001 UJ					
tributyltin								0.001 UJ					
Metals (mg/kg)													
aluminum													
antimony									25 U				
arsenic													
barium													
beryllium									25 U				
cadmium									25 U				
calcium													
chromium									25 U				
cobalt													
copper									25 U				
iron													
lead									25 U	1.7			
tetraethyllead													
magnesium													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	**150B**	**150B**	**150B**	**150B**	**150B**	**150B**	**150B**	**150B**	**150B**	**150B**	**150B**	**150B**	**150B**
Station ID	**150-005-010**	**150-005-011**	**150-005-011**	**150-005-012**	**150-005-013**	**150-005-014**	**150-005-015**	**150-SS-001**	**150-SS-001**	**150-Z19-016**	**150-Z19-018**	**150-Z19-019**	**150-Z19-019**
Sample ID	**150-0019M**	**150-0020**	**150-0020M**	**150-0021M**	**150-0022**	**150-0023**	**150-0024**	**150M-001**	**150M-001M**	**150-0016M**	**150-0018**	**150-0027**	**150-0028**
Sample Type	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
Depth Interval (feet bgs)	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4.5–5**	**4.5–5**	**0.5–1**	**0.5–1**	**0.5–1**	**3.5–4**
Sample Date	**22-Jun-95**	**22-Jun-95**	**22-Jun-95**	**21-Jun-95**	**22-Jun-95**	**21-Jun-95**	**22-Jun-95**	**01-Mar-95**	**01-Mar-95**	**21-Jun-95**	**20-Jun-95**	**31-Oct-95**	**31-Oct-95**
Reference	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**
Metals (mg/kg) (cont.)													
manganese													
mercury									25 U				
molybdenum													
nickel									35				
potassium													
selenium													
silver									25 U				
sodium													
thallium													
vanadium													
zinc									25 U				

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B
Station ID	32EDC-12-30	32EDC-12-30	32EDC-12-30	32EDC-12-30	32EDC-12-30	32EDC-12-31	32EDC-12-31	32EDC-12-31	32EDC-12-31	32EDC-12-32	32EDC-12-32	32EDC-12-32	32EDC-12-32
Sample ID	C032C476	C032C477	C032C478	C032C479	C032C480	C032C481	C032C482	C032C483	C032C484	C032C485	C032C486	C032C487	C032C488
Sample Type	REG	REG	REG	REG	FD	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0–0.5	0.5–2	2–4	4–8	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8
Sample Date	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	21-May-02	21-May-02	21-May-02	21-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Volatile Organic Compounds (µg/kg)													
acetone													
benzene													
bromobenzene													
bromochloromethane													
bromodichloromethane													
bromoform													
bromomethane													
2-butanone													
n-butylbenzene													
sec-butylbenzene													
tert-butylbenzene													
carbon disulfide													
carbon tetrachloride													
chlorobenzene													
chlorodibromomethane													
chloroethane													
chloroform													
chloromethane													
2-chlorotoluene													
4-chlorotoluene													
1,2-dibromo-3-chloropropane													
1,2-dibromoethane													
dibromomethane													
1,2-dichlorobenzene													
1,3-dichlorobenzene													
1,4-dichlorobenzene													
dichlorodifluoromethane													
1,1-dichloroethane													
1,2-dichloroethane													
1,1-dichloroethene													
cis-1,2-dichloroethene													
trans-1,2-dichloroethene													
1,2-dichloroethene													
1,2-dichloropropane													
1,3-dichloropropane													
sec-dichloropropane													
1,1-dichloropropene													
cis-1,3-dichloropropene													
trans-1,3-dichloropropene													
ethylbenzene													
n-hexane													
2-hexanone													
isopropylbenzene													
p-isopropyltoluene													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B
Station ID	32EDC-12-30	32EDC-12-30	32EDC-12-30	32EDC-12-30	32EDC-12-30	32EDC-12-31	32EDC-12-31	32EDC-12-31	32EDC-12-31	32EDC-12-32	32EDC-12-32	32EDC-12-32	32EDC-12-32
Sample ID	C032C476	C032C477	C032C478	C032C479	C032C480	C032C481	C032C482	C032C483	C032C484	C032C485	C032C486	C032C487	C032C488
Sample Type	REG	REG	REG	REG	FD	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0–0.5	0.5–2	2–4	4–8	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8
Sample Date	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	21-May-02	21-May-02	21-May-02	21-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Volatile Organic Compounds (µg/kg) (cont.)													
methyl tert-butyl ether													
methylene chloride													
4-methyl-2-pentanone													
n-propylbenzene													
styrene													
1,1,1,2-tetrachloroethane													
1,1,2,2-tetrachloroethane													
tetrachloroethene													
toluene													
1,2,3-trichlorobenzene													
1,2,4-trichlorobenzene													
1,1,1-trichloroethane													
1,1,2-trichloroethane													
trichloroethene													
trichlorofluoromethane													
1,2,3-trichloropropane													
1,1,2-trichloro-1,2,2-trifluoroethane													
1,2,4-trimethylbenzene													
1,3,5-trimethylbenzene													
vinyl acetate													
vinyl chloride													
meta-,para-xylene													
m-, p-xylene													
o-xylene													
xylenes, total													
Petroleum Hydrocarbons (µg/kg)													
diesel													
gasoline													
jet fuel #5 (JP5)													
JP-5													
motor oil													
oil and grease													
Semivolatile Organic Compounds (µg/kg)													
acenaphthene	11	5.1 U	5.2 U	5.8 U	5.9 U	5.2 U	5.2 UJ	5.2 UJ	6 UJ	5.7 U	5.3 U	5.3 U	6.1 U
acenaphthylene	5.3 U	5.1 U	5.2 U	5.8 U	5.9 U	5.2 U	5.2 UJ	5.2 UJ	6 UJ	2 J	5.3 U	5.3 U	6.1 U
aniline													
anthracene	10	5.1 U	5.2 U	5.8 U	5.9 U	5.2 U	5.2 UJ	5.2 UJ	6 UJ	2.4 J	5.3 U	5.3 U	6.1 U
benz(a)anthracene	61	5.1 U	5.2 U	5.8 U	5.9 U	5.2 U	0.46 J	0.61 J	6 UJ	5.7 U	5.3 U	2.2 J	6.1 U
benzidine													
benzo(b)fluoranthene	120	5.1 U	5.2 U	5.8 U	5.9 U	5.2 UJ	5.2 UJ	0.71 J	6 UJ	33	5.3 U	4.4 J	6.1 U
benzo(k)fluoranthene	5.3 U	5.1 U	5.2 U	5.8 U	5.9 U	5.2 UJ	5.2 UJ	0.64 J	0.35 J	5.7 U	5.3 U	5.3 U	6.1 U
benzo(g,h,i)perylene	82	1.7 J	5.2 U	5.8 U	5.9 U	5.2 UJ	4.8 J	2 J	0.72 J	67	1.8 J	5.4	6.1 U
benzo(a)pyrene	48	5.1 U	5.2 U	5.8 U	5.9 U	5.2 UJ	5.2 UJ	1.4 J	6 UJ	14	5.3 U	4 J	6.1 U
benzyl alcohol													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B
Station ID	32EDC-12-30	32EDC-12-30	32EDC-12-30	32EDC-12-30	32EDC-12-30	32EDC-12-31	32EDC-12-31	32EDC-12-31	32EDC-12-31	32EDC-12-32	32EDC-12-32	32EDC-12-32	32EDC-12-32
Sample ID	C032C476	C032C477	C032C478	C032C479	C032C480	C032C481	C032C482	C032C483	C032C484	C032C485	C032C486	C032C487	C032C488
Sample Type	REG	REG	REG	REG	FD	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0–0.5	0.5–2	2–4	4–8	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8
Sample Date	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	21-May-02	21-May-02	21-May-02	21-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Semivolatile Organic Compounds (µg/kg) (cont.)													
bis(2-chloroethoxy)methane													
bis(2-chloroethyl)ether													
bis(2-chloro-1-methylethyl)ether													
bis(2-ethylhexyl)phthalate													
4-bromophenyl phenyl ether													
butyl benzyl phthalate													
carbazole													
4-chloroaniline													
4-chloro-3-methylphenol													
2-chloronaphthalene													
2-chlorophenol													
4-chlorophenyl phenyl ether													
chrysene	290	5.1 U	5.2 U	5.8 U	5.9 U	5.2 U	7.3 J	2 J	0.52 J	59	5.3 U	3 J	6.1 U
dibenz(a,h)anthracene	42	5.1 U	5.2 U	5.8 U	5.9 U	5.2 UJ	1.9 J	0.93 J	6 UJ	19	5.3 U	5.3 U	6.1 U
di-n-butyl phthalate													
dibenzofuran													
1,2-dichlorobenzene													
1,3-dichlorobenzene													
1,4-dichlorobenzene													
3,3'-dichlorobenzidine													
2,4-dichlorophenol													
diethyl phthalate													
2,4-dimethylphenol													
dimethyl phthalate													
4,6-dinitro-2-methylphenol													
2,4-dinitrophenol													
2,4-dinitrotoluene													
2,6-dinitrotoluene													
di-n-octyl phthalate													
fluoranthene	42	5.1 U	5.2 U	5.8 U	5.9 U	0.6 J	5.2 UJ	0.97 J	0.87 J	8.5	5.3 U	4 J	6.1 U
fluorene	5.3 U	5.1 U	5.2 U	5.8 U	5.9 U	5.2 U	5.2 UJ	5.2 UJ	6 UJ	5.7 U	5.3 U	5.3 U	6.1 U
hexachlorobenzene													
hexachlorobutadiene													
hexachlorocyclopentadiene													
hexachloroethane													
indeno(1,2,3-cd)pyrene	8.9	5.1 U	5.2 U	5.8 U	5.9 U	5.2 UJ	5.2 UJ	1.4 J	0.76 J	23	5.3 U	4.9 J	6.1 U
isophorone													
2-methylnaphthalene	13	5.1 U	5.2 U	5.8 U	5.9 U	5.2 U	5.2 UJ	0.39 J	6 UJ	5.7 U	5.3 U	5.3 U	6.1 U
2-methylphenol													
4-methylphenol													
naphthalene	5.3 U	5.1 U	5.2 U	5.8 U	5.9 U	5.2 U	5.2 UJ	5.2 UJ	6 UJ	5.7 U	5.3 U	5.3 U	6.1 U
2-nitroaniline													
3-nitroaniline													
4-nitroaniline													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B
Station ID	32EDC-12-30	32EDC-12-30	32EDC-12-30	32EDC-12-30	32EDC-12-30	32EDC-12-31	32EDC-12-31	32EDC-12-31	32EDC-12-31	32EDC-12-32	32EDC-12-32	32EDC-12-32	32EDC-12-32
Sample ID	C032C476	C032C477	C032C478	C032C479	C032C480	C032C481	C032C482	C032C483	C032C484	C032C485	C032C486	C032C487	C032C488
Sample Type	REG	REG	REG	REG	FD	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0–0.5	0.5–2	2–4	4–8	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8
Sample Date	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	21-May-02	21-May-02	21-May-02	21-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Semivolatile Organic Compounds (µg/kg) (cont.)													
nitrobenzene													
4-nitrophenol													
2-nitrophenol													
N-nitrosodimethylamine													
N-nitrosodiphenylamine													
N-nitroso-di-n-propylamine													
pentachlorophenol													
phenanthrene	590	5.1 U	5.2 U	5.8 U	5.9 U	0.39 J	0.45 J	0.73 J	0.56 J	6.9	5.3 U	5.3 U	6.1 U
phenol													
pyrene	150	5.1 U	5.2 U	5.8 U	5.9 U	0.84 J	5.2 UJ	1.3 J	0.86 J	20	5.3 U	5.6	6.1 U
1,2,4-trichlorobenzene													
2,4,5-trichlorophenol													
2,4,6-trichlorophenol													
Pesticides/Polychlorinated Biphenyls (µg/kg)													
aldrin													
Aroclor 1016													
Aroclor 1221													
Aroclor 1232													
Aroclor 1242													
Aroclor 1248													
Aroclor 1254													
Aroclor 1260													
alpha-BHC													
beta-BHC													
delta-BHC													
gamma-BHC (lindane)													
alpha-chlordane													
gamma-chlordane													
4,4´-DDD													
4,4´-DDE													
4,4´-DDT													
dieldrin													
endosulfan I													
endosulfan II													
endosulfan sulfate													
endrin													
endrin aldehyde													
endrin ketone													
heptachlor													
heptachlor epoxide													
methoxychlor													
toxaphene													
Dioxins/Furans (µg/kg)													
heptachlorodibenzo-p-dioxins													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B	150B
Station ID	32EDC-12-30	32EDC-12-30	32EDC-12-30	32EDC-12-30	32EDC-12-30	32EDC-12-31	32EDC-12-31	32EDC-12-31	32EDC-12-31	32EDC-12-32	32EDC-12-32	32EDC-12-32	32EDC-12-32
Sample ID	C032C476	C032C477	C032C478	C032C479	C032C480	C032C481	C032C482	C032C483	C032C484	C032C485	C032C486	C032C487	C032C488
Sample Type	REG	REG	REG	REG	FD	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0–0.5	0.5–2	2–4	4–8	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8
Sample Date	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	21-May-02	21-May-02	21-May-02	21-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Dioxins/Furans (µg/kg) (cont.)													
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin													
heptachlorodibenzofurans													
1,2,3,4,6,7,8-heptachlorodibenzofuran													
1,2,3,4,7,8,9-heptachlorodibenzofuran													
hexachlorodibenzo-p-dioxins													
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin													
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin													
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin													
hexachlorodibenzofurans													
1,2,3,4,7,8-hexachlorodibenzofuran													
1,2,3,6,7,8-hexachlorodibenzofuran													
1,2,3,7,8,9-hexachlorodibenzofuran													
2,3,4,6,7,8-hexachlorodibenzofuran													
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin													
1,2,3,4,6,7,8,9-octachlorodibenzofuran													
pentachlorodibenzo-p-dioxins													
1,2,3,7,8-pentachlorodibenzo-p-dioxin													
pentachlorodibenzofurans													
1,2,3,7,8-pentachlorodibenzofuran													
2,3,4,7,8-pentachlorodibenzofuran													
tetrachlorodibenzo-p-dioxins													
2,3,7,8-tetrachlorodibenzo-p-dioxin													
tetrachlorodibenzofurans													
2,3,7,8-tetrachlorodibenzofuran													
Organotins (µg/kg)													
dibutyltin													
monobutyltin													
tetrabutyltin													
tributyltin													
Metals (mg/kg)													
aluminum													
antimony													
arsenic													
barium													
beryllium													
cadmium													
calcium													
chromium													
cobalt													
copper													
iron													
lead													
tetraethyllead													
magnesium													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	**150B**	**150B**	**150B**	**150B**	**150B**	**150B**	**150B**	**150B**	**150B**	**150B**	**150B**	**150B**	**150B**
Station ID	**32EDC-12-30**	**32EDC-12-30**	**32EDC-12-30**	**32EDC-12-30**	**32EDC-12-30**	**32EDC-12-31**	**32EDC-12-31**	**32EDC-12-31**	**32EDC-12-31**	**32EDC-12-32**	**32EDC-12-32**	**32EDC-12-32**	**32EDC-12-32**
Sample ID	**C032C476**	**C032C477**	**C032C478**	**C032C479**	**C032C480**	**C032C481**	**C032C482**	**C032C483**	**C032C484**	**C032C485**	**C032C486**	**C032C487**	**C032C488**
Sample Type	**REG**	**REG**	**REG**	**REG**	**FD**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
Depth Interval (feet bgs)	**0–0.5**	**0.5–2**	**2–4**	**4–8**	**4–8**	**0–0.5**	**0.5–2**	**2–4**	**4–8**	**0–0.5**	**0.5–2**	**2–4**	**4–8**
Sample Date	**20-May-02**	**20-May-02**	**20-May-02**	**20-May-02**	**20-May-02**	**20-May-02**	**20-May-02**	**20-May-02**	**20-May-02**	**21-May-02**	**21-May-02**	**21-May-02**	**21-May-02**
Reference	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**
Metals (mg/kg) (cont.)													
manganese													
mercury													
molybdenum													
nickel													
potassium													
selenium													
silver													
sodium													
thallium													
vanadium													
zinc													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*150B*	*150B*	*150B*	*150B*	*150B*	150B	150B	150B	150B	*150B*	151	151	151
Station ID	*530-21-MOJ*	*530-23-MOJ*	*530-24-MOJ*	*530-MJ-MW-4*	*530-MJ-MW-5*	B10B-05	B10B-05	B10B-05	B10B-05	*S03-DGS-DP40*	151-001-001	151-001-002	151-001-003
Sample ID	*530-P21-5.0*	*530-P23-5.0*	*530-P24-5.0*	*530MW4-5.0*	*530MW5-4.5*	280-S10B-004	280-S10B-005	280-S10B-006	280-S10B-007	*385-S03-136*	151-0001M	151-0002M	151-0003M
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	REG	REG	REG	REG	*REG*	REG	REG	REG
Depth Interval (feet bgs)	*5–5*	*5–5*	*5–5*	*5–5*	*4.5–4.5*	0.5–1.5	2.5–3.5	3.5–4.5	5–6	*6–6.5*	4–4.5	4–4.5	4–4.5
Sample Date	*06-Oct-97*	*06-Oct-97*	*06-Oct-97*	*04-Dec-97*	*04-Dec-97*	19-Aug-94	19-Aug-94	19-Aug-94	19-Aug-94	*08-Feb-02*	09-Jun-95	09-Jun-95	09-Jun-95
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	*TtEMI 2004*	IT 2001	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg)													
acetone						12 U	11 U	12 U	12 U				
benzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	12 U	11 U	12 U	12 U				
bromobenzene													
bromochloromethane													
bromodichloromethane						12 U	11 U	12 U	12 U				
bromoform						12 U	11 U	12 U	12 U				
bromomethane						12 U	11 U	12 U	12 U				
2-butanone						12 U	11 U	12 U	12 U				
n-butylbenzene													
sec-butylbenzene													
tert-butylbenzene													
carbon disulfide						12 U	11 U	12 U	12 U				
carbon tetrachloride						12 U	11 U	12 U	12 U				
chlorobenzene						12 U	11 U	12 U	12 U				
chlorodibromomethane						12 U	11 U	12 U	12 U				
chloroethane						12 U	11 U	12 U	12 U				
chloroform						12 U	11 U	12 U	12 U				
chloromethane						12 U	11 U	12 U	12 U				
2-chlorotoluene													
4-chlorotoluene													
1,2-dibromo-3-chloropropane													
1,2-dibromoethane													
dibromomethane													
1,2-dichlorobenzene													
1,3-dichlorobenzene											390 U	390 U	380 U
1,4-dichlorobenzene											390 U	390 U	380 U
dichlorodifluoromethane													
1,1-dichloroethane						12 U	11 U	12 U	12 U				
1,2-dichloroethane						12 U	11 U	12 U	12 U				
1,1-dichloroethene						12 U	11 U	12 U	12 U				
cis-1,2-dichloroethene													
trans-1,2-dichloroethene													
1,2-dichloroethene						12 U	11 U	12 U	12 U				
1,2-dichloropropane						12 U	11 U	12 U	12 U				
1,3-dichloropropane													
sec-dichloropropane													
1,1-dichloropropene													
cis-1,3-dichloropropene						12 U	11 U	12 U	12 U				
trans-1,3-dichloropropene						12 U	11 U	12 U	12 U				
ethylbenzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	12 U	11 U	12 U	12 U				
n-hexane													
2-hexanone						12 U	11 U	12 U	12 U				
isopropylbenzene													
p-isopropyltoluene													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*150B*	*150B*	*150B*	*150B*	*150B*	150B	150B	150B	150B	150B	*150B*	151	151	151
Station ID	*530-21-MOJ*	*530-23-MOJ*	*530-24-MOJ*	*530-MJ-MW-4*	*530-MJ-MW-5*	B10B-05	B10B-05	B10B-05	B10B-05	*S03-DGS-DP40*	151-001-001	151-001-002	151-001-003
Sample ID	*530-P21-5.0*	*530-P23-5.0*	*530-P24-5.0*	*530MW4-5.0*	*530MW5-4.5*	280-S10B-004	280-S10B-005	280-S10B-006	280-S10B-007	*385-S03-136*	151-0001M	151-0002M	151-0003M
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	REG	REG	REG	REG	*REG*	REG	REG	REG
Depth Interval (feet bgs)	*5–5*	*5–5*	*5–5*	*5–5*	*4.5–4.5*	0.5–1.5	2.5–3.5	3.5–4.5	5–6	*6–6.5*	4–4.5	4–4.5	4–4.5
Sample Date	*06-Oct-97*	*06-Oct-97*	*06-Oct-97*	*04-Dec-97*	*04-Dec-97*	19-Aug-94	19-Aug-94	19-Aug-94	19-Aug-94	*08-Feb-02*	09-Jun-95	09-Jun-95	09-Jun-95
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	*TtEMI 2004*	IT 2001	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg) (cont.)													
methyl tert-butyl ether	*50 U*	*50 U*	*50 U*	*5 U*	*5 U*								
methylene chloride						12 U	11 U	22 U	12 U				
4-methyl-2-pentanone						12 U	11 U	12 U	12 U				
n-propylbenzene													
styrene						12 U	11 U	12 U	12 U				
1,1,1,2-tetrachloroethane													
1,1,2,2-tetrachloroethane						12 U	11 U	12 U	12 U				
tetrachloroethene						12 U	11 U	12 U	12 U				
toluene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	12 U	11 U	12 U	12 U				
1,2,3-trichlorobenzene													
1,2,4-trichlorobenzene											390 U	390 U	380 U
1,1,1-trichloroethane						12 U	11 U	12 U	12 U				
1,1,2-trichloroethane						12 U	11 U	12 U	12 U				
trichloroethene						12 U	11 U	12 U	12 U				
trichlorofluoromethane													
1,2,3-trichloropropane													
1,1,2-trichloro-1,2,2-trifluoroethane													
1,2,4-trimethylbenzene													
1,3,5-trimethylbenzene													
vinyl acetate													
vinyl chloride						12 U	11 U	12 U	12 U				
meta-,para-xylene													
m-, p-xylene													
o-xylene													
xylenes, total	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	12 U	11 U	12 U	12 U				
Petroleum Hydrocarbons (µg/kg)													
diesel	*5,000 U*	*5,000 U*	*5,000 U*	*5,000 U*	*5,000 U*								
gasoline	*200 U*	*200 U*	*200 U*	*200 U*	*200 U*								
jet fuel #5 (JP5)													
JP-5	*10,000 U*	*10,000 U*	*10,000 U*	*10,000 U*	*10,000 U*								
motor oil	*10,000 U*	*10,000 U*	*10,000 U*	*10,000 U*	*10,000 U*								
oil and grease													
Semivolatile Organic Compounds (µg/kg)													
acenaphthene						400 U	350 U	400 U	390 U				
acenaphthylene						400 U	350 U	400 U	390 U				
aniline											390 U	390 U	380 U
anthracene						400 U	350 U	400 U	390 U				
benz(a)anthracene						400 U	350 U	400 U	390 U				
benzidine											390 U	390 U	380 U
benzo(b)fluoranthene						400 U	350 U	400 U	390 U				
benzo(k)fluoranthene						400 U	350 U	400 U	390 U				
benzo(g,h,i)perylene						400 U	350 U	400 U	390 U				
benzo(a)pyrene						400 U	350 U	400 U	390 U				
benzyl alcohol											390 U	390 U	380 U

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*150B*	*150B*	*150B*	*150B*	*150B*	150B	150B	150B	150B	*150B*	151	151	151
Station ID	*530-21-MOJ*	*530-23-MOJ*	*530-24-MOJ*	*530-MJ-MW-4*	*530-MJ-MW-5*	B10B-05	B10B-05	B10B-05	B10B-05	*S03-DGS-DP40*	151-001-001	151-001-002	151-001-003
Sample ID	*530-P21-5.0*	*530-P23-5.0*	*530-P24-5.0*	*530MW4-5.0*	*530MW5-4.5*	280-S10B-004	280-S10B-005	280-S10B-006	280-S10B-007	*385-S03-136*	151-0001M	151-0002M	151-0003M
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	REG	REG	REG	REG	*REG*	REG	REG	REG
Depth Interval (feet bgs)	*5–5*	*5–5*	*5–5*	*5–5*	*4.5–4.5*	0.5–1.5	2.5–3.5	3.5–4.5	5–6	*6–6.5*	4–4.5	4–4.5	4–4.5
Sample Date	*06-Oct-97*	*06-Oct-97*	*06-Oct-97*	*04-Dec-97*	*04-Dec-97*	19-Aug-94	19-Aug-94	19-Aug-94	19-Aug-94	*08-Feb-02*	09-Jun-95	09-Jun-95	09-Jun-95
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	*TtEMI 2004*	IT 2001	IT 2001	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)													
bis(2-chloroethoxy)methane						400 U	350 U	400 U	390 U		390 U	390 U	380 U
bis(2-chloroethyl)ether						400 U	350 U	400 U	390 U		390 U	390 U	380 U
bis(2-chloro-1-methylethyl)ether						400 U	350 U	400 U	390 U				
bis(2-ethylhexyl)phthalate						400 U	350 U	400 U	390 U		390 U	390 U	380 U
4-bromophenyl phenyl ether						400 U	350 U	400 U	390 U		390 U	390 U	380 U
butyl benzyl phthalate						400 U	350 U	400 U	390 U		390 U	390 U	380 U
carbazole						400 U	350 U	400 U	390 U				
4-chloroaniline						400 U	350 U	400 U	390 U		390 U	390 U	380 U
4-chloro-3-methylphenol						400 U	350 U	400 U	390 U		390 U	390 U	380 U
2-chloronaphthalene						400 U	350 U	400 U	390 U		390 U	390 U	380 U
2-chlorophenol						400 U	350 U	400 U	390 U		390 U	390 U	380 U
4-chlorophenyl phenyl ether						400 U	350 U	400 U	390 U		390 U	390 U	380 U
chrysene						400 U	350 U	400 U	390 U				
dibenz(a,h)anthracene						400 U	350 U	400 U	390 U				
di-n-butyl phthalate						400 U	350 U	400 U	390 U		390 U	390 U	380 U
dibenzofuran						400 U	350 U	400 U	390 U		390 U	390 U	380 U
1,2-dichlorobenzene						400 U	350 U	400 U	390 U		390 U	390 U	380 U
1,3-dichlorobenzene						400 U	350 U	400 U	390 U				
1,4-dichlorobenzene						400 U	350 U	400 U	390 U				
3,3'-dichlorobenzidine						400 U	350 U	400 U	390 U		2,000 U	2,000 U	2,000 U
2,4-dichlorophenol						400 U	350 U	400 U	390 U		390 U	390 U	380 U
diethyl phthalate						400 U	350 U	400 U	390 U		390 U	390 U	380 U
2,4-dimethylphenol						400 U	350 U	400 U	390 U		390 U	390 U	380 U
dimethyl phthalate						400 U	350 U	400 U	390 U		390 U	390 U	380 U
4,6-dinitro-2-methylphenol						960 U	840 U	980 U	950 U		2,000 U	2,000 U	2,000 U
2,4-dinitrophenol						960 U	840 U	980 U	950 U		2,000 U	2,000 U	2,000 U
2,4-dinitrotoluene						400 U	350 U	400 U	390 U		390 U	390 U	380 U
2,6-dinitrotoluene						400 U	350 U	400 U	390 U		390 U	390 U	380 U
di-n-octyl phthalate						400 U	350 U	400 U	390 U		390 U	390 U	380 U
fluoranthene						400 U	350 U	400 U	390 U				
fluorene						400 U	350 U	400 U	390 U				
hexachlorobenzene						400 U	350 U	400 U	390 U		390 U	390 U	380 U
hexachlorobutadiene						400 U	350 U	400 U	390 U		390 U	390 U	380 U
hexachlorocyclopentadiene						400 U	350 U	400 U	390 U		390 U	390 U	380 U
hexachloroethane						400 U	350 U	400 U	390 U		390 U	390 U	380 U
indeno(1,2,3-cd)pyrene						400 U	350 U	400 U	390 U				
isophorone						400 U	350 U	400 U	390 U		390 U	390 U	380 U
2-methylnaphthalene						120 J	350 U	400 U	390 U				
2-methylphenol						400 U	350 U	400 U	390 U		390 U	390 U	380 U
4-methylphenol						400 U	350 U	400 U	390 U		390 U	390 U	380 U
naphthalene						400 U	350 U	400 U	390 U				
2-nitroaniline						960 U	840 U	980 U	950 U		2,000 U	2,000 U	2,000 U
3-nitroaniline						960 U	840 U	980 U	950 U		2,000 U	2,000 U	2,000 U
4-nitroaniline						960 U	840 U	980 U	950 U		2,000 U	2,000 U	2,000 U

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*150B*	*150B*	*150B*	*150B*	*150B*	150B	150B	150B	150B	*150B*	151	151	151
Station ID	*530-21-MOJ*	*530-23-MOJ*	*530-24-MOJ*	*530-MJ-MW-4*	*530-MJ-MW-5*	B10B-05	B10B-05	B10B-05	B10B-05	*S03-DGS-DP40*	151-001-001	151-001-002	151-001-003
Sample ID	*530-P21-5.0*	*530-P23-5.0*	*530-P24-5.0*	*530MW4-5.0*	*530MW5-4.5*	280-S10B-004	280-S10B-005	280-S10B-006	280-S10B-007	*385-S03-136*	151-0001M	151-0002M	151-0003M
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	REG	REG	REG	REG	*REG*	REG	REG	REG
Depth Interval (feet bgs)	*5–5*	*5–5*	*5–5*	*5–5*	*4.5–4.5*	0.5–1.5	2.5–3.5	3.5–4.5	5–6	*6–6.5*	4–4.5	4–4.5	4–4.5
Sample Date	*06-Oct-97*	*06-Oct-97*	*06-Oct-97*	*04-Dec-97*	*04-Dec-97*	19-Aug-94	19-Aug-94	19-Aug-94	19-Aug-94	*08-Feb-02*	09-Jun-95	09-Jun-95	09-Jun-95
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	*TtEMI 2004*	IT 2001	IT 2001	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)													
nitrobenzene						400 U	350 U	400 U	390 U		390 U	390 U	380 U
4-nitrophenol						960 U	840 U	980 U	950 U		2,000 U	2000 U	2,000 U
2-nitrophenol						400 U	350 U	400 U	390 U		2,000 U	2000 U	2,000 U
N-nitrosodimethylamine											390 U	390 U	380 U
N-nitrosodiphenylamine						400 U	350 U	400 U	390 U		390 U	390 U	380 U
N-nitroso-di-n-propylamine						400 U	350 U	400 U	390 U		390 U	390 U	380 U
pentachlorophenol						960 U	840 U	980 U	950 U		2,000 U	2,000 U	2,000 U
phenanthrene						400 U	350 U	400 U	390 U				
phenol						400 U	350 U	400 U	390 U		390 U	390 U	380 U
pyrene						400 U	350 U	400 U	21 J				
1,2,4-trichlorobenzene						400 U	350 U	400 U	390 U				
2,4,5-trichlorophenol						960 U	840 U	980 U	950 U		2,000 U	2,000 U	2,000 U
2,4,6-trichlorophenol						400 U	350 U	400 U	390 U		390 U	390 U	380 U
Pesticides/Polychlorinated Biphenyls (µg/kg)													
aldrin													
Aroclor 1016													
Aroclor 1221													
Aroclor 1232													
Aroclor 1242													
Aroclor 1248													
Aroclor 1254													
Aroclor 1260													
alpha-BHC													
beta-BHC													
delta-BHC													
gamma-BHC (lindane)													
alpha-chlordane													
gamma-chlordane													
4,4´-DDD													
4,4´-DDE													
4,4´-DDT													
dieldrin													
endosulfan I													
endosulfan II													
endosulfan sulfate													
endrin													
endrin aldehyde													
endrin ketone													
heptachlor													
heptachlor epoxide													
methoxychlor													
toxaphene													
Dioxins/Furans (µg/kg)													
heptachlorodibenzo-p-dioxins													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	*150B*	*150B*	*150B*	*150B*	*150B*	150B	150B	150B	150B	150B	*150B*	151	151	151
Station ID	*530-21-MOJ*	*530-23-MOJ*	*530-24-MOJ*	*530-MJ-MW-4*	*530-MJ-MW-5*	B10B-05	B10B-05	B10B-05	B10B-05	*S03-DGS-DP40*	151-001-001	151-001-002	151-001-003
Sample ID	*530-P21-5.0*	*530-P23-5.0*	*530-P24-5.0*	*530MW4-5.0*	*530MW5-4.5*	280-S10B-004	280-S10B-005	280-S10B-006	280-S10B-007	*385-S03-136*	151-0001M	151-0002M	151-0003M
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	REG	REG	REG	REG	*REG*	REG	REG	REG
Depth Interval (feet bgs)	*5–5*	*5–5*	*5–5*	*5–5*	*4.5–4.5*	0.5–1.5	2.5–3.5	3.5–4.5	5–6	*6–6.5*	4–4.5	4–4.5	4–4.5
Sample Date	*06-Oct-97*	*06-Oct-97*	*06-Oct-97*	*04-Dec-97*	*04-Dec-97*	19-Aug-94	19-Aug-94	19-Aug-94	19-Aug-94	*08-Feb-02*	09-Jun-95	09-Jun-95	09-Jun-95
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	*TtEMI 2004*	IT 2001	IT 2001	IT 2001
Dioxins/Furans (µg/kg) (cont.)														
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin														
heptachlorodibenzofurans														
1,2,3,4,6,7,8-heptachlorodibenzofuran														
1,2,3,4,7,8,9-heptachlorodibenzofuran														
hexachlorodibenzo-p-dioxins														
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin														
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin														
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin														
hexachlorodibenzofurans														
1,2,3,4,7,8-hexachlorodibenzofuran														
1,2,3,6,7,8-hexachlorodibenzofuran														
1,2,3,7,8,9-hexachlorodibenzofuran														
2,3,4,6,7,8-hexachlorodibenzofuran														
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin														
1,2,3,4,6,7,8,9-octachlorodibenzofuran														
pentachlorodibenzo-p-dioxins														
1,2,3,7,8-pentachlorodibenzo-p-dioxin														
pentachlorodibenzofurans														
1,2,3,7,8-pentachlorodibenzofuran														
2,3,4,7,8-pentachlorodibenzofuran														
tetrachlorodibenzo-p-dioxins														
2,3,7,8-tetrachlorodibenzo-p-dioxin														
tetrachlorodibenzofurans														
2,3,7,8-tetrachlorodibenzofuran														
Organotins (µg/kg)														
dibutyltin														
monobutyltin														
tetrabutyltin														
tributyltin														
Metals (mg/kg)														
aluminum														
antimony											7.3	3.5 U	3.4 U
arsenic											0.92	1.1	1.1
barium											18.5	18.2	19.4
beryllium											0.2	0.2	0.22
cadmium											0.2	0.23	0.24
calcium													
chromium											22.6	23.1	24.7
cobalt											3.7	3.9	4
copper											4.5	4.5	8.6
iron													
lead										*15.9*	1.2	1.2	1.5
tetraethyllead													
magnesium													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	***150B***	***150B***	***150B***	***150B***	***150B***	**150B**	**150B**	**150B**	**150B**	***150B***	**151**	**151**	**151**
Station ID	***530-21-MOJ***	***530-23-MOJ***	***530-24-MOJ***	***530-MJ-MW-4***	***530-MJ-MW-5***	**B10B-05**	**B10B-05**	**B10B-05**	**B10B-05**	***S03-DGS-DP40***	**151-001-001**	**151-001-002**	**151-001-003**
Sample ID	***530-P21-5.0***	***530-P23-5.0***	***530-P24-5.0***	***530MW4-5.0***	***530MW5-4.5***	**280-S10B-004**	**280-S10B-005**	**280-S10B-006**	**280-S10B-007**	***385-S03-136***	**151-0001M**	**151-0002M**	**151-0003M**
Sample Type	***REG***	***REG***	***REG***	***REG***	***REG***	**REG**	**REG**	**REG**	**REG**	***REG***	**REG**	**REG**	**REG**
Depth Interval (feet bgs)	***5–5***	***5–5***	***5–5***	***5–5***	***4.5–4.5***	**0.5–1.5**	**2.5–3.5**	**3.5–4.5**	**5–6**	***6–6.5***	**4–4.5**	**4–4.5**	**4–4.5**
Sample Date	***06-Oct-97***	***06-Oct-97***	***06-Oct-97***	***04-Dec-97***	***04-Dec-97***	**19-Aug-94**	**19-Aug-94**	**19-Aug-94**	**19-Aug-94**	***08-Feb-02***	**09-Jun-95**	**09-Jun-95**	**09-Jun-95**
Reference	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	**TtEMI 2004**	**TtEMI 2004**	**TtEMI 2004**	**TtEMI 2004**	***TtEMI 2004***	**IT 2001**	**IT 2001**	**IT 2001**
Metals (mg/kg) (cont.)													
manganese													
mercury											0.12 U	0.12 U	0.29
molybdenum											1.2 U	1.2 U	1.1 U
nickel											18.2	20.4	21.6
potassium													
selenium											0.29 U	0.29 U	0.29 U
silver											0.59 U	0.58 U	0.57 U
sodium													
thallium											0.29 U	0.29 U	0.29 U
vanadium											14.2	14.5	15.7
zinc											11.2	12.6	15.1

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	151	151	151	151	151	151	151	151	151	151	151	151	151
Station ID	151-001-004	151-001-005	151-001-006	151-001-006	151-001-007	151-001-007	151-001-008	151-001-008	151-002-009	151-002-009	151-002-009	151-002-009	151-002-010
Sample ID	151-0004M	151-0005M	151-0006M	151-0017M	151-0007	151-0007M	151-0008	151-0008M	151-0009	151-0009M	151-0013	151-0013M	151-0010M
Sample Type	REG	REG	REG	FD	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	1–2	1–2	4–4.5	4–5	0.5–1
Sample Date	12-Jun-95	09-Jun-95	08-Jun-95	08-Jun-95	08-Jun-95	08-Jun-95	08-Jun-95	08-Jun-95	09-Jun-95	09-Jun-95	09-Jun-95	09-Jun-95	12-Jun-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg)													
acetone									10 U	21 U	11 U	24 U	21 U
benzene									10 U	5 U	11 U	6 U	5 U
bromobenzene													
bromochloromethane													
bromodichloromethane									10 U	5 U	11 U	6 U	5 U
bromoform									10 U	5 U	11 U	6 U	5 U
bromomethane									10 U	10 U	11 U	12 U	11 U
2-butanone									10 U	10 U	11 U	12 U	11 U
n-butylbenzene													
sec-butylbenzene													
tert-butylbenzene													
carbon disulfide									10 U	5 U	11 U	6 U	5 U
carbon tetrachloride									10 U	5 U	11 U	6 U	5 U
chlorobenzene									10 U	5 U	11 U	6 U	5 U
chlorodibromomethane									10 U	5 U	11 U	6 U	5 U
chloroethane									10 U	10 U	11 U	12 U	11 U
chloroform									10 U	5 U	11 U	6 U	5 U
chloromethane									10 U	10 U	11 U	12 U	11 U
2-chlorotoluene													
4-chlorotoluene													
1,2-dibromo-3-chloropropane													
1,2-dibromoethane													
dibromomethane													
1,2-dichlorobenzene													
1,3-dichlorobenzene	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U
1,4-dichlorobenzene	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U
dichlorodifluoromethane													
1,1-dichloroethane									10 U	5 U	11 U	6 U	5 U
1,2-dichloroethane									10 U	5 U	11 U	6 U	5 U
1,1-dichloroethene									10 U	5 U	11 U	6 U	5 U
cis-1,2-dichloroethene										5 U		6 U	5 U
trans-1,2-dichloroethene										5 U		6 U	5 U
1,2-dichloroethene									10 U		11 U		
1,2-dichloropropane									10 U	5 U	11 U	6 U	5 U
1,3-dichloropropane													
sec-dichloropropane													
1,1-dichloropropene													
cis-1,3-dichloropropene									10 U	5 U	11 U	6 U	5 U
trans-1,3-dichloropropene									10 U	5 U	11 U	6 U	5 U
ethylbenzene									10 U	5 U	11 U	6 U	5 U
n-hexane										5 U		6 U	5 U
2-hexanone									10 U	10 U	11 U	12 U	11 U
isopropylbenzene													
p-isopropyltoluene													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	151	151	151	151	151	151	151	151	151	151	151	151	151
Station ID	151-001-004	151-001-005	151-001-006	151-001-006	151-001-007	151-001-007	151-001-008	151-001-008	151-002-009	151-002-009	151-002-009	151-002-009	151-002-010
Sample ID	151-0004M	151-0005M	151-0006M	151-0017M	151-0007	151-0007M	151-0008	151-0008M	151-0009	151-0009M	151-0013	151-0013M	151-0010M
Sample Type	REG	REG	REG	FD	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	1–2	1–2	4–4.5	4–5	0.5–1
Sample Date	12-Jun-95	09-Jun-95	08-Jun-95	08-Jun-95	08-Jun-95	08-Jun-95	08-Jun-95	08-Jun-95	09-Jun-95	09-Jun-95	09-Jun-95	09-Jun-95	12-Jun-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg) (cont.)													
methyl tert-butyl ether													
methylene chloride									10 U	21 U	11 U	24 U	21 U
4-methyl-2-pentanone									10 U	10 U	11 U	12 U	11 U
n-propylbenzene													
styrene									10 U	5 U	11 U	6 U	5 U
1,1,1,2-tetrachloroethane													
1,1,2,2-tetrachloroethane									10 U	5 U	11 U	6 U	5 U
tetrachloroethene									10 U	5 U	11 U	6 U	5 U
toluene									10 U	5 U	11 U	6 U	5 U
1,2,3-trichlorobenzene													
1,2,4-trichlorobenzene	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U
1,1,1-trichloroethane									10 U	5 U	11 U	6 U	5 U
1,1,2-trichloroethane									10 U	5 U	11 U	6 U	5 U
trichloroethene									10 U	5 U	11 U	6 U	5 U
trichlorofluoromethane										5 U		6 U	5 U
1,2,3-trichloropropane													
1,1,2-trichloro-1,2,2-trifluoroethane													
1,2,4-trimethylbenzene													
1,3,5-trimethylbenzene													
vinyl acetate										52 U		61 U	53 U
vinyl chloride									10 U	10 U	11 U	12 U	11 U
meta-,para-xylene										5 U		6 U	5 U
m-, p-xylene													
o-xylene										5 U		6 U	5 U
xylenes, total									10 U		11 U		
Petroleum Hydrocarbons (µg/kg)													
diesel									10,000 U	280	11,000 U	1,000 U	1,000 U
gasoline									500 U	500 U	600 U	600 U	500 U
jet fuel #5 (JP5)													
JP-5													
motor oil									40,000 J	14,000,000	380,000 J	30,000 U	150,000
oil and grease													
Semivolatile Organic Compounds (µg/kg)													
acenaphthene													
acenaphthylene													
aniline	400 U	400 U	400 U	370 U		400 U		400 U		18,000 U		400 U	350 U
anthracene													
benz(a)anthracene													
benzidine	400 U	400 U	400 U	370 U		400 U		400 U		18,000 U		400 U	350 U
benzo(b)fluoranthene													
benzo(k)fluoranthene													
benzo(g,h,i)perylene													
benzo(a)pyrene													
benzyl alcohol	400 U	400 U	400 U	370 U		400 U		400 U		18,000 U		400 U	350 U

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	**151**	**151**	**151**	**151**	**151**	**151**	**151**	**151**	**151**	**151**	**151**	**151**	**151**	**151**
Station ID	**151-001-004**	**151-001-005**	**151-001-006**	**151-001-006**	**151-001-007**	**151-001-007**	**151-001-008**	**151-001-008**	**151-002-009**	**151-002-009**	**151-002-009**	**151-002-009**	**151-002-009**	**151-002-010**
Sample ID	**151-0004M**	**151-0005M**	**151-0006M**	**151-0017M**	**151-0007**	**151-0007M**	**151-0008**	**151-0008M**	**151-0009**	**151-0009M**	**151-0013**	**151-0013M**	**151-0010M**	
Sample Type	**REG**	**REG**	**REG**	**FD**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	
Depth Interval (feet bgs)	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**1–2**	**1–2**	**4–4.5**	**4–5**	**0.5–1**	
Sample Date	**12-Jun-95**	**09-Jun-95**	**08-Jun-95**	**08-Jun-95**	**08-Jun-95**	**08-Jun-95**	**08-Jun-95**	**08-Jun-95**	**09-Jun-95**	**09-Jun-95**	**09-Jun-95**	**09-Jun-95**	**12-Jun-95**	
Reference	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	
Semivolatile Organic Compounds (µg/kg) (cont.)														
bis(2-chloroethoxy)methane	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
bis(2-chloroethyl)ether	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
bis(2-chloro-1-methylethyl)ether	400 U				390 U		410 U		340 U		370 U		350 U	
bis(2-ethylhexyl)phthalate	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
4-bromophenyl phenyl ether	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
butyl benzyl phthalate	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
carbazole					390 U		410 U		340 U		370 U			
4-chloroaniline	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
4-chloro-3-methylphenol	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
2-chloronaphthalene	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
2-chlorophenol	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
4-chlorophenyl phenyl ether	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
chrysene														
dibenz(a,h)anthracene														
di-n-butyl phthalate	400 U	400 U	400 U	370 U	450	400 U	340 J	400 U	85 J	18,000 U	210 J	400 U	350 U	
dibenzofuran	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
1,2-dichlorobenzene	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
1,3-dichlorobenzene														
1,4-dichlorobenzene														
3,3'-dichlorobenzidine	2,000 U	2,000 U	2,000 U	1,900 U	390 U	2,000 U	410 U	2,100 U	340 U	86,000 U	370 U	2,100 U	1,800 U	
2,4-dichlorophenol	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
diethyl phthalate	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
2,4-dimethylphenol	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
dimethyl phthalate	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
4,6-dinitro-2-methylphenol	2,000 U	2,000 U	2,000 U	1,900 U	950 U	2,000 U	990 U	2,100 U	830 U	86,000 U	900 U	2,100 U	1,800 U	
2,4-dinitrophenol	2,000 U	2,000 U	2000 U	1,900 U	950 UJ	2,000 U	990 UJ	2,100 U	830 UJ	86,000 U	900 UJ	2,100 U	1,800 U	
2,4-dinitrotoluene	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
2,6-dinitrotoluene	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
di-n-octyl phthalate	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
fluoranthene														
fluorene														
hexachlorobenzene	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
hexachlorobutadiene	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
hexachlorocyclopentadiene	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
hexachloroethane	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
indeno(1,2,3-cd)pyrene														
isophorone	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
2-methylnaphthalene														
2-methylphenol	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
4-methylphenol	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U	
naphthalene														
2-nitroaniline	2,000 U	2,000 U	2,000 U	1,900 U	950 U	2,000 U	990 U	2100 U	830 U	86,000 U	900 U	2,100 U	1,800 U	
3-nitroaniline	2,000 U	2,000 U	2,000 U	1,900 U	950 U	2,000 U	990 U	2100 U	830 U	86,000 U	900 U	2,100 U	1,800 U	
4-nitroaniline	2,000 U	2,000 U	2,000 U	1,900 U	950 U	2,000 U	990 U	2100 U	830 U	86,000 U	900 U	2,100 U	1,800 U	

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	151	151	151	151	151	151	151	151	151	151	151	151	151
Station ID	151-001-004	151-001-005	151-001-006	151-001-006	151-001-007	151-001-007	151-001-008	151-001-008	151-002-009	151-002-009	151-002-009	151-002-009	151-002-010
Sample ID	151-0004M	151-0005M	151-0006M	151-0017M	151-0007	151-0007M	151-0008	151-0008M	151-0009	151-0009M	151-0013	151-0013M	151-0010M
Sample Type	REG	REG	REG	FD	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	1–2	1–2	4–4.5	4–5	0.5–1
Sample Date	12-Jun-95	09-Jun-95	08-Jun-95	08-Jun-95	08-Jun-95	08-Jun-95	08-Jun-95	08-Jun-95	09-Jun-95	09-Jun-95	09-Jun-95	09-Jun-95	12-Jun-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)													
nitrobenzene	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U
4-nitrophenol	2,000 U	2,000 U	2,000 U	1,900 U	950 U	2,000 U	990 U	2,100 U	830 U	86,000 U	900 U	2,100 U	1,800 U
2-nitrophenol	2,000 U	2,000 U	2,000 U	1,900 U	390 U	2,000 U	410 U	2,100 U	340 U	86,000 U	370 U	2,100 U	1,800 U
N-nitrosodimethylamine	400 U	400 U	400 U	370 U		400 U		400 U		18,000 U		400 U	350 U
N-nitrosodiphenylamine	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U
N-nitroso-di-n-propylamine	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U
pentachlorophenol	2,000 U	2,000 U	2,000 U	1,900 U	950 U	2,000 U	990 U	2100 U	830 U	86,000 U	900 U	2,100 U	1,800 U
phenanthrene													
phenol	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U
pyrene													
1,2,4-trichlorobenzene													
2,4,5-trichlorophenol	2,000 U	2,000 U	2,000 U	1,900 U	950 U	2,000 U	990 U	2,100 U	830 U	86,000 U	900 U	2,100 U	1,800 U
2,4,6-trichlorophenol	400 U	400 U	400 U	370 U	390 U	400 U	410 U	400 U	340 U	18,000 U	370 U	400 U	350 U
Pesticides/Polychlorinated Biphenyls (µg/kg)													
aldrin													
Aroclor 1016													
Aroclor 1221													
Aroclor 1232													
Aroclor 1242													
Aroclor 1248													
Aroclor 1254													
Aroclor 1260													
alpha-BHC													
beta-BHC													
delta-BHC													
gamma-BHC (lindane)													
alpha-chlordane													
gamma-chlordane													
4,4´-DDD													
4,4´-DDE													
4,4´-DDT													
dieldrin													
endosulfan I													
endosulfan II													
endosulfan sulfate													
endrin													
endrin aldehyde													
endrin ketone													
heptachlor													
heptachlor epoxide													
methoxychlor													
toxaphene													
Dioxins/Furans (µg/kg)													
heptachlorodibenzo-p-dioxins													

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	151	151	151	151	151	151	151	151	151	151	151	151	151	151
Station ID	151-001-004	151-001-005	151-001-006	151-001-006	151-001-007	151-001-007	151-001-008	151-001-008	151-002-009	151-002-009	151-002-009	151-002-009	151-002-010	
Sample ID	151-0004M	151-0005M	151-0006M	151-0017M	151-0007	151-0007M	151-0008	151-0008M	151-0009	151-0009M	151-0013	151-0013M	151-0010M	
Sample Type	REG	REG	REG	FD	REG	REG	REG	REG	REG	REG	REG	REG	REG	
Depth Interval (feet bgs)	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	1–2	1–2	4–4.5	4–5	0.5–1	
Sample Date	12-Jun-95	09-Jun-95	08-Jun-95	08-Jun-95	08-Jun-95	08-Jun-95	08-Jun-95	08-Jun-95	09-Jun-95	09-Jun-95	09-Jun-95	09-Jun-95	12-Jun-95	
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	
Dioxins/Furans (µg/kg) (cont.)														
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin														
heptachlorodibenzofurans														
1,2,3,4,6,7,8-heptachlorodibenzofuran														
1,2,3,4,7,8,9-heptachlorodibenzofuran														
hexachlorodibenzo-p-dioxins														
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin														
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin														
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin														
hexachlorodibenzofurans														
1,2,3,4,7,8-hexachlorodibenzofuran														
1,2,3,6,7,8-hexachlorodibenzofuran														
1,2,3,7,8,9-hexachlorodibenzofuran														
2,3,4,6,7,8-hexachlorodibenzofuran														
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin														
1,2,3,4,6,7,8,9-octachlorodibenzofuran														
pentachlorodibenzo-p-dioxins														
1,2,3,7,8-pentachlorodibenzo-p-dioxin														
pentachlorodibenzofurans														
1,2,3,7,8-pentachlorodibenzofuran														
2,3,4,7,8-pentachlorodibenzofuran														
tetrachlorodibenzo-p-dioxins														
2,3,7,8-tetrachlorodibenzo-p-dioxin														
tetrachlorodibenzofurans														
2,3,7,8-tetrachlorodibenzofuran														
Organotins (µg/kg)														
dibutyltin														
monobutyltin														
tetrabutyltin														
tributyltin														
Metals (mg/kg)														
aluminum					3,780 J		3,580 J							
antimony	3.6 U	3.6 U	3.5 U	3.3 U	1.5 UJ	3.6 U	1.6 UJ	3.7 U						
arsenic	1.1	0.89	1.1	1	0.94 U	0.97	1	1						
barium	16.8	22.9	20.5	14.7	21.7	21.3	23.2	18.3						
beryllium	0.18	0.22	0.2	0.2	0.16 U	0.2	0.17 U	0.22						
cadmium	0.26	0.23	0.23	0.21	0.07 U	0.19	0.07 U	0.21						
calcium					1,720		1,690							
chromium	25.5	24.8	22	23.6	22.3 J	22.8	22.4 J	25						
cobalt	3.7	4.1	3.8	3.6	3.7	3.5	3.9	4						
copper	7.8	4.8	15.2	8.8	5.5 U	11.5	26.5	6.3						
iron					6,720		6,350							
lead	1.7	1.5	1.7	1.7	1.7 U	1.3	1.6 U	1.5						
tetraethyllead														
magnesium					2,220		2,030							

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	**151**	**151**	**151**	**151**	**151**	**151**	**151**	**151**	**151**	**151**	**151**	**151**	**151**	**151**
Station ID	**151-001-004**	**151-001-005**	**151-001-006**	**151-001-006**	**151-001-007**	**151-001-007**	**151-001-008**	**151-001-008**	**151-002-009**	**151-002-009**	**151-002-009**	**151-002-009**	**151-002-009**	**151-002-010**
Sample ID	**151-0004M**	**151-0005M**	**151-0006M**	**151-0017M**	**151-0007**	**151-0007M**	**151-0008**	**151-0008M**	**151-0009**	**151-0009M**	**151-0013**	**151-0013M**	**REG**	**151-0010M**
Sample Type	**REG**	**REG**	**REG**	**FD**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**4–5**	**REG**
Depth Interval (feet bgs)	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**1–2**	**1–2**	**4–4.5**	**4–5**	**09-Jun-95**	**0.5–1**
Sample Date	**12-Jun-95**	**09-Jun-95**	**08-Jun-95**	**08-Jun-95**	**08-Jun-95**	**08-Jun-95**	**08-Jun-95**	**08-Jun-95**	**09-Jun-95**	**09-Jun-95**	**09-Jun-95**	**09-Jun-95**	**IT 2001**	**12-Jun-95**
Reference	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**
Metals (mg/kg) (cont.)														
manganese					89.9		87.7							
mercury	0.13	0.12 U	0.42	0.43	0.18 UJ	0.15	0.18 UJ	0.25						
molybdenum	1.2 U	1.2 U	1.2 U	1.1 U	2.3 U	1.2 U	2.4 U	1.2 U						
nickel	17.2	23.1	20	19.7	22	19	18.8	21.4						
potassium					640		573							
selenium	0.3 U	0.3 U	0.29 U	0.28 U	0.61 U	0.3 U	0.64 U	0.31 U						
silver	0.6 U	0.59 U	0.58 U	0.55 U	0.21 U	0.59 U	0.22 U	0.61 U						
sodium					250		145							
thallium	0.3 U	0.3 U	0.29 U	0.28 U	2.1	0.3 U	1.7	0.31 U						
vanadium	15.5	15.1	14.5	14	16.5	13.2	14.8	14.8						
zinc	13.4	14.2	19.2	15.2	16.1	51	46.4	13.6						

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	151	151	151	151	151	151	151	151	151
Station ID	151-002-010	151-002-011	151-002-011	151-002-012	151-002-012	32EDC-12-29	32EDC-12-29	32EDC-12-29	32EDC-12-29
Sample ID	151-0014M	151-0011M	151-0015M	151-0012M	151-0016M	C032C472	C032C473	C032C474	C032C475
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	4–4.5	1–2	4–4.5	1–1.5	4–4.5	0–0.5	0.5–2	2–4	4–8
Sample Date	12-Jun-95	08-Jun-95	12-Jun-95	12-Jun-95	12-Jun-95	20-May-02	20-May-02	20-May-02	20-May-02
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Volatile Organic Compounds (µg/kg)									
acetone	24 U	21 U	24 U	22 U	24 U				
benzene	6 U	5 U	6 U	6 U	6 U				
bromobenzene									
bromochloromethane									
bromodichloromethane	6 U	5 U	6 U	6 U	6 U				
bromoform	6 U	5 U	6 U	6 U	6 U				
bromomethane	12 U	10 U	12 U	11 U	12 U				
2-butanone	12 U	10 U	12 U	11 U	12 U				
n-butylbenzene									
sec-butylbenzene									
tert-butylbenzene									
carbon disulfide	6 U	5 U	6 U	6 U	6 U				
carbon tetrachloride	6 U	5 U	6 U	6 U	6 U				
chlorobenzene	6 U	5 U	6 U	6 U	6 U				
chlorodibromomethane	6 U	5 U	6 U	6 U	6 U				
chloroethane	12 U	10 U	12 U	11 U	12 U				
chloroform	6 U	5 U	6 U	6 U	6 U				
chloromethane	12 U	10 U	12 U	11 U	12 U				
2-chlorotoluene									
4-chlorotoluene									
1,2-dibromo-3-chloropropane									
1,2-dibromoethane									
dibromomethane									
1,2-dichlorobenzene									
1,3-dichlorobenzene	400 U	340 U	400 U	3,700 U	400 U				
1,4-dichlorobenzene	400 U	340 U	400 U	3,700 U	400 U				
dichlorodifluoromethane									
1,1-dichloroethane	6 U	5 U	6 U	6 U	6 U				
1,2-dichloroethane	6 U	5 U	6 U	6 U	6 U				
1,1-dichloroethene	6 U	5 U	6 U	6 U	6 U				
cis-1,2-dichloroethene	6 U	5 U	6 U	6 U	6 U				
trans-1,2-dichloroethene	6 U	5 U	6 U	6 U	6 U				
1,2-dichloroethene									
1,2-dichloropropane	6 U	5 U	6 U	6 U	6 U				
1,3-dichloropropane									
sec-dichloropropane									
1,1-dichloropropene									
cis-1,3-dichloropropene	6 U	5 U	6 U	6 U	6 U				
trans-1,3-dichloropropene	6 U	5 U	6 U	6 U	6 U				
ethylbenzene	6 U	5 U	6 U	6 U	6 U				
n-hexane	6 U	5 U	6 U	6 U	6 U				
2-hexanone	12 U	10 U	12 U	11 U	12 U				
isopropylbenzene									
p-isopropyltoluene									

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	151	151	151	151	151	151	151	151	151
Station ID	151-002-010	151-002-011	151-002-011	151-002-012	151-002-012	32EDC-12-29	32EDC-12-29	32EDC-12-29	32EDC-12-29
Sample ID	151-0014M	151-0011M	151-0015M	151-0012M	151-0016M	C032C472	C032C473	C032C474	C032C475
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	4–4.5	1–2	4–4.5	1–1.5	4–4.5	0–0.5	0.5–2	2–4	4–8
Sample Date	12-Jun-95	08-Jun-95	12-Jun-95	12-Jun-95	12-Jun-95	20-May-02	20-May-02	20-May-02	20-May-02
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Volatile Organic Compounds (µg/kg) (cont.)									
methyl tert-butyl ether									
methylene chloride	24 U	21 U	24 U	58	24 U				
4-methyl-2-pentanone	12 U	10 U	12 U	11 U	12 U				
n-propylbenzene									
styrene	6 U	5 U	6 U	6 U	6 U				
1,1,1,2-tetrachloroethane									
1,1,2,2-tetrachloroethane	6 U	5 U	6 U	6 U	6 U				
tetrachloroethene	6 U	5 U	6 U	6 U	6 U				
toluene	6 U	5 U	6 U	6 U	6 U				
1,2,3-trichlorobenzene									
1,2,4-trichlorobenzene	400 U	340 U	400 U	3,700 U	400 U				
1,1,1-trichloroethane	6 U	5 U	6 U	6 U	6 U				
1,1,2-trichloroethane	6 U	5 U	6 U	6 U	6 U				
trichloroethene	6 U	5 U	6 U	6 U	6 U				
trichlorofluoromethane	6 U	5 U	6 U	6 U	6 U				
1,2,3-trichloropropane									
1,1,2-trichloro-1,2,2-trifluoroethane									
1,2,4-trimethylbenzene									
1,3,5-trimethylbenzene									
vinyl acetate	60 U	52 U	60 U	56 U	60 U				
vinyl chloride	12 U	10 U	12 U	11 U	12 U				
meta-,para-xylene	6 U	5 U	6 U	6 U	6 U				
m-, p-xylene									
o-xylene	6 U	5 U	6 U	6 U	6 U				
xylenes, total									
Petroleum Hydrocarbons (µg/kg)									
diesel	1,000 U	1,000 U	1,000 U	16,000	1,000 U				
gasoline	600 U	500 U	600 U	600 U	600 U				
jet fuel #5 (JP5)									
JP-5									
motor oil	30,000 U	26,000 U	280,000	4,000,000	55,000				
oil and grease									
Semivolatile Organic Compounds (µg/kg)									
acenaphthene						28 U	1.7 J	5.3 U	5.8 U
acenaphthylene						21 J	5.4 U	5.3 U	5.8 U
aniline	400 U	340 U	400 U	3,700 U	400 U				
anthracene						36	2.9 J	5.3 U	5.8 U
benz(a)anthracene						77	6.8	5.3 U	5.8 U
benzidine	400 U	340 U	400 U	3,700 U	400 U				
benzo(b)fluoranthene						210	11	5.3 U	5.8 U
benzo(k)fluoranthene						97	8.1	5.3 U	5.8 U
benzo(g,h,i)perylene						44	5.4	5.3 U	5.8 U
benzo(a)pyrene						58	6.9	5.3 U	5.8 U
benzyl alcohol	400 U	340 U	400 U	3,700 U	400 U				

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	151	151	151	151	151	151	151	151	151
Station ID	151-002-010	151-002-011	151-002-011	151-002-012	151-002-012	32EDC-12-29	32EDC-12-29	32EDC-12-29	32EDC-12-29
Sample ID	151-0014M	151-0011M	151-0015M	151-0012M	151-0016M	C032C472	C032C473	C032C474	C032C475
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	4–4.5	1–2	4–4.5	1–1.5	4–4.5	0–0.5	0.5–2	2–4	4–8
Sample Date	12-Jun-95	08-Jun-95	12-Jun-95	12-Jun-95	12-Jun-95	20-May-02	20-May-02	20-May-02	20-May-02
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Semivolatile Organic Compounds (µg/kg) (cont.)									
bis(2-chloroethoxy)methane	400 U	340 U	400 U	3,700 U	400 U				
bis(2-chloroethyl)ether	400 U	340 U	400 U	3,700 U	400 U				
bis(2-chloro-1-methylethyl)ether	400 U		400 U	3,700 U	400 U				
bis(2-ethylhexyl)phthalate	400 U	340 U	400 U	3,700 U	400 U				
4-bromophenyl phenyl ether	400 U	340 U	400 U	3,700 U	400 U				
butyl benzyl phthalate	400 U	340 U	400 U	3,700 U	400 U				
carbazole									
4-chloroaniline	400 U	340 U	400 U	3,700 U	400 U				
4-chloro-3-methylphenol	400 U	340 U	400 U	3,700 U	400 U				
2-chloronaphthalene	400 U	340 U	400 U	3,700 U	400 U				
2-chlorophenol	400 U	340 U	400 U	3,700 U	400 U				
4-chlorophenyl phenyl ether	400 U	340 U	400 U	3,700 U	400 U				
chrysene						350	21	1.5 J	5.8 U
dibenz(a,h)anthracene						11 J	1.8 J	5.3 U	5.8 U
di-n-butyl phthalate	400 U	340 U	400 U	3,700 U	400 U				
dibenzofuran	400 U	340 U	400 U	3,700 U	400 U				
1,2-dichlorobenzene	400 U	340 U	400 U	3,700 U	400 U				
1,3-dichlorobenzene									
1,4-dichlorobenzene									
3,3'-dichlorobenzidine	2,000 U	1,800 U	2,000 U	19,000 U	2,000 U				
2,4-dichlorophenol	400 U	340 U	400 U	3,700 U	400 U				
diethyl phthalate	400 U	340 U	400 U	3,700 U	400 U				
2,4-dimethylphenol	400 U	340 U	400 U	3,700 U	400 U				
dimethyl phthalate	400 U	340 U	400 U	3,700 U	400 U				
4,6-dinitro-2-methylphenol	2,000 U	1,800 U	2,000 U	19,000 U	2,000 U				
2,4-dinitrophenol	2,000 U	1,800 U	2,000 U	19,000 U	2,000 U				
2,4-dinitrotoluene	400 U	340 U	400 U	3,700 U	400 U				
2,6-dinitrotoluene	400 U	340 U	400 U	3,700 U	400 U				
di-n-octyl phthalate	400 U	340 U	400 U	3,700 U	400 U				
fluoranthene						560	31	1.8 J	5.8 U
fluorene						16 J	5.4 U	5.3 U	5.8 U
hexachlorobenzene	400 U	340 U	400 U	3,700 U	400 U				
hexachlorobutadiene	400 U	340 U	400 U	3,700 U	400 U				
hexachlorocyclopentadiene	400 U	340 U	400 U	3,700 U	400 U				
hexachloroethane	400 U	340 U	400 U	3,700 U	400 U				
indeno(1,2,3-cd)pyrene						17 J	3.7 J	5.3 U	5.8 U
isophorone	400 U	340 U	400 U	3,700 U	400 U				
2-methylnaphthalene						5.5 J	5.4 U	5.3 U	5.8 U
2-methylphenol	400 U	340 U	400 U	3,700 U	400 U				
4-methylphenol	400 U	340 U	400 U	3,700 U	400 U				
naphthalene						28 U	5.4 U	5.3 U	5.8 U
2-nitroaniline	2,000 U	1,800 U	2,000 U	19,000 U	2,000 U				
3-nitroaniline	2,000 U	1,800 U	2,000 U	19,000 U	2,000 U				
4-nitroaniline	2,000 U	1,800 U	2,000 U	19,000 U	2,000 U				

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	151	151	151	151	151	151	151	151	151
Station ID	151-002-010	151-002-011	151-002-011	151-002-012	151-002-012	32EDC-12-29	32EDC-12-29	32EDC-12-29	32EDC-12-29
Sample ID	151-0014M	151-0011M	151-0015M	151-0012M	151-0016M	C032C472	C032C473	C032C474	C032C475
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	4–4.5	1–2	4–4.5	1–1.5	4–4.5	0–0.5	0.5–2	2–4	4–8
Sample Date	12-Jun-95	08-Jun-95	12-Jun-95	12-Jun-95	12-Jun-95	20-May-02	20-May-02	20-May-02	20-May-02
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Semivolatile Organic Compounds (µg/kg) (cont.)									
nitrobenzene	400 U	340 U	400 U	3,700 U	400 U				
4-nitrophenol	2,000 U	1,800 U	2,000 U	19,000 U	2,000 U				
2-nitrophenol	2,000 U	1,800 U	2,000 U	19,000 U	2,000 U				
N-nitrosodimethylamine	400 U	340 U	400 U	3,700 U	400 U				
N-nitrosodiphenylamine	400 U	340 U	400 U	3,700 U	400 U				
N-nitroso-di-n-propylamine	400 U	340 U	400 U	3,700 U	400 U				
pentachlorophenol	2,000 U	1,800 U	2,000 U	19,000 U	2,000 U				
phenanthrene						110	5.4 U	5.3 U	5.8 U
phenol	400 U	340 U	400 U	3,700 U	400 U				
pyrene						500	34	2 J	5.8 U
1,2,4-trichlorobenzene									
2,4,5-trichlorophenol	2,000 U	1,800 U	2,000 U	19,000 U	2,000 U				
2,4,6-trichlorophenol	400 U	340 U	400 U	3,700 U	400 U				
Pesticides/Polychlorinated Biphenyls (µg/kg)									
aldrin									
Aroclor 1016									
Aroclor 1221									
Aroclor 1232									
Aroclor 1242									
Aroclor 1248									
Aroclor 1254									
Aroclor 1260									
alpha-BHC									
beta-BHC									
delta-BHC									
gamma-BHC (lindane)									
alpha-chlordane									
gamma-chlordane									
4,4´-DDD									
4,4´-DDE									
4,4´-DDT									
dieldrin									
endosulfan I									
endosulfan II									
endosulfan sulfate									
endrin									
endrin aldehyde									
endrin ketone									
heptachlor									
heptachlor epoxide									
methoxychlor									
toxaphene									
Dioxins/Furans (µg/kg)									
heptachlorodibenzo-p-dioxins									

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	151	151	151	151	151	151	151	151	151
Station ID	151-002-010	151-002-011	151-002-011	151-002-012	151-002-012	32EDC-12-29	32EDC-12-29	32EDC-12-29	32EDC-12-29
Sample ID	151-0014M	151-0011M	151-0015M	151-0012M	151-0016M	C032C472	C032C473	C032C474	C032C475
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	4–4.5	1–2	4–4.5	1–1.5	4–4.5	0–0.5	0.5–2	2–4	4–8
Sample Date	12-Jun-95	08-Jun-95	12-Jun-95	12-Jun-95	12-Jun-95	20-May-02	20-May-02	20-May-02	20-May-02
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Dioxins/Furans (µg/kg) (cont.)									
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin									
heptachlorodibenzofurans									
1,2,3,4,6,7,8-heptachlorodibenzofuran									
1,2,3,4,7,8,9-heptachlorodibenzofuran									
hexachlorodibenzo-p-dioxins									
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin									
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin									
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin									
hexachlorodibenzofurans									
1,2,3,4,7,8-hexachlorodibenzofuran									
1,2,3,6,7,8-hexachlorodibenzofuran									
1,2,3,7,8,9-hexachlorodibenzofuran									
2,3,4,6,7,8-hexachlorodibenzofuran									
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin									
1,2,3,4,6,7,8,9-octachlorodibenzofuran									
pentachlorodibenzo-p-dioxins									
1,2,3,7,8-pentachlorodibenzo-p-dioxin									
pentachlorodibenzofurans									
1,2,3,7,8-pentachlorodibenzofuran									
2,3,4,7,8-pentachlorodibenzofuran									
tetrachlorodibenzo-p-dioxins									
2,3,7,8-tetrachlorodibenzo-p-dioxin									
tetrachlorodibenzofurans									
2,3,7,8-tetrachlorodibenzofuran									
Organotins (µg/kg)									
dibutyltin									
monobutyltin									
tetrabutyltin									
tributyltin									
Metals (mg/kg)									
aluminum									
antimony									
arsenic									
barium									
beryllium									
cadmium									
calcium									
chromium									
cobalt									
copper									
iron									
lead									
tetraethyllead									
magnesium									

Table A-2
Soil Samples – EBS Parcels 138, 140, 141, 150, 150B, and 151*

EBS Parcel	151	151	151	151	151	151	151	151	151
Station ID	151-002-010	151-002-011	151-002-011	151-002-012	151-002-012	32EDC-12-29	32EDC-12-29	32EDC-12-29	32EDC-12-29
Sample ID	151-0014M	151-0011M	151-0015M	151-0012M	151-0016M	C032C472	C032C473	C032C474	C032C475
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	4–4.5	1–2	4–4.5	1–1.5	4–4.5	0–0.5	0.5–2	2–4	4–8
Sample Date	12-Jun-95	08-Jun-95	12-Jun-95	12-Jun-95	12-Jun-95	20-May-02	20-May-02	20-May-02	20-May-02
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Metals (mg/kg) (cont.)									
manganese									
mercury									
molybdenum									
nickel									
potassium									
selenium									
silver									
sodium									
thallium									
vanadium									
zinc									

Note:
* blank indicates sample not analyzed for a particular compound;
italicized columns indicate results not evaluated in the SI Report for Transfer Parcel EDC 12

Acronyms/Abbreviations:
bgs – below ground surface
BHC – benzene hexachloride
DDD – dichlorodiphenyldichloroethane
DDE – dichlorodiphenyldichloroethene
DDT – dichlorodiphenyltrichloroethane
ID – identification
EBS – environmental baseline survey
FD – field duplicate
JP-5 – jet propellant grade 5
µg/kg – micrograms per kilogram
mg/kg – milligrams per kilogram
REG – regular

Review Qualifiers:
J – indicates an estimated value
U – indicates the compound or analyte was analyzed for, but was not detected above the stated detection limit
UJ – indicates the compound or analyte was analyzed for, but was not detected above the stated detection limit; the detection limit, in this case, is an estimated value

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	153	153	153	153	153	153	153	153	153	153	153
Station ID	150-001-002	150-001-002	150-001-002	32EDC-12-28	32EDC-12-28	32EDC-12-28	32EDC-12-28	32EDC-12-28	C3S009B012	C3S009B012	C3S009B012
Sample ID	150-0002M	150-0025M	150-0026M	C032C467	C032C468	C032C469	C032C470	C032C471	C0590573	C0590574	C0590575
Sample Type	REG	REG	FD	REG	REG	FD	REG	REG	REG	FD	REG
Depth Interval (feet bgs)	4–4.5	4–4.5	4–4.5	0–0.5	0.5–2	0.5–2	2–4	4–8	0–0.5	0–0.5	0.5–2
Sample Date	20-Jun-95	20-Jun-95	20-Jun-95	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	07-Aug-03	07-Aug-03	07-Aug-03
Reference	IT 2001	IT 2001	IT 2001	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2004	BEI 2004	BEI 2004
Volatile Organic Compounds (µg/kg)											
acetone	24 U	23 U	22 U								
benzene	6 U	6 U	5 U								
bromobenzene											
bromochloromethane											
bromodichloromethane	6 U	6 U	5 U								
bromoform	6 U	6 U	5 U								
bromomethane	12 U	12 U	11 U								
2-butanone	12 U	12 U	11 U								
n-butylbenzene											
sec-butylbenzene											
tert-butylbenzene											
carbon disulfide	6 U	6 U	5 U								
carbon tetrachloride	6 U	6 U	5 U								
chlorobenzene	6 U	6 U	5 U								
chlorodibromomethane	6 U	6 U	5 U								
chloroethane	12 U	12 U	11 U								
2-chloroethylvinyl ether											
chloroform	6 U	6 U	5 U								
chloromethane	12 U	12 U	11 U								
2-chlorotoluene											
4-chlorotoluene											
1,2-dibromo-3-chloropropane											
1,2-dibromoethane											
dibromomethane											
1,2-dichlorobenzene											
1,3-dichlorobenzene											
1,4-dichlorobenzene											
dichlorodifluoromethane											
1,1-dichloroethane	6 U	6 U	5 U								
1,2-dichloroethane	6 U	6 U	5 U								
1,1-dichloroethene	6 U	6 U	5 U								
cis-1,2-dichloroethene	6 U	6 U	5 U								
trans-1,2-dichloroethene	6 U	6 U	5 U								
1,2-dichloroethene											
1,2-dichloropropane	6 U	6 U	5 U								
1,3-dichloropropane											
sec-dichloropropane											
1,1-dichloropropene											
cis-1,3-dichloropropene	6 U	6 U	5 U								
trans-1,3-dichloropropene	6 U	6 U	5 U								
ethylbenzene	6 U	6 U	5 U								
hexachlorobutadiene											
n-hexane	6 U	6 U	5 U								
2-hexanone	12 U	12 U	11 U								

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	153	153	153	153	153	153	153	153	153	153	153
Station ID	150-001-002	150-001-002	150-001-002	32EDC-12-28	32EDC-12-28	32EDC-12-28	32EDC-12-28	32EDC-12-28	C3S009B012	C3S009B012	C3S009B012
Sample ID	150-0002M	150-0025M	150-0026M	C032C467	C032C468	C032C469	C032C470	C032C471	C0590573	C0590574	C0590575
Sample Type	REG	REG	FD	REG	REG	FD	REG	REG	REG	FD	REG
Depth Interval (feet bgs)	4–4.5	4–4.5	4–4.5	0–0.5	0.5–2	0.5–2	2–4	4–8	0–0.5	0–0.5	0.5–2
Sample Date	20-Jun-95	20-Jun-95	20-Jun-95	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	07-Aug-03	07-Aug-03	07-Aug-03
Reference	IT 2001	IT 2001	IT 2001	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2004	BEI 2004	BEI 2004
Volatile Organic Compounds (µg/kg) (cont.)											
isopropylbenzene											
p-isopropyltoluene											
methyl tert-butyl ether											
methylene chloride	24 U	23 U	22 U								
4-methyl-2-pentanone	12 U	12 U	11 U								
naphthalene											
n-propylbenzene											
styrene	6 U	6 U	5 U								
1,1,1,2-tetrachloroethane											
1,1,2,2-tetrachloroethane	6 U	6 U	5 U								
tetrachloroethene	6 U	6 U	5 U								
toluene	6 U	6 U	5 U								
1,2,3-trichlorobenzene											
1,2,4-trichlorobenzene											
1,1,1-trichloroethane	6 U	6 U	5 U								
1,1,2-trichloroethane	6 U	6 U	5 U								
trichloroethene	6 U	6 U	5 U								
trichlorofluoromethane	6 U	6 U	5 U								
1,2,3-trichloropropane											
1,2,4-trimethylbenzene											
1,3,5-trimethylbenzene											
vinyl acetate	59 U	58 U	54 U								
vinyl chloride	12 U	12 U	11 U								
meta-,para-xylene	6 U	6 U	5 U								
m-, p-xylene											
o-xylene	6 U	6 U	5 U								
xylenes, total											
Petroleum Hydrocarbons (µg/kg)											
diesel											
gasoline											
jet fuel #5 (JP5)											
JP-5											
motor oil											
Semivolatile Organic Compounds (µg/kg)											
acenaphthene				5.4 UJ	5.2 UJ	5.2 UJ	5.2 UJ	5.6 UJ	0.45 J	0.47 J	6.1 U
acenaphthylene				5.4 UJ	5.2 UJ	5.2 UJ	5.2 UJ	5.6 UJ	0.42 J	0.49 J	6.1 U
aniline											
anthracene				5.4 UJ	5.2 UJ	5.2 UJ	5.2 UJ	5.6 UJ	0.82 J	1.5 J	6.1 U
benz(a)anthracene				2.2 J	5.2 UJ	5.2 UJ	5.2 UJ	0.46 J	5.2 J	6	0.18 J
benzidine											
benzo(b)fluoranthene				2.3 J	5.2 UJ	5.2 UJ	5.2 UJ	5.6 UJ	9.5	9.2	6.1 U
benzo(k)fluoranthene				1.9 J	5.2 UJ	5.2 UJ	5.2 UJ	0.56 J	5.2 J	4.5 J	6.1 U
benzoic acid											
benzo(g,h,i)perylene				2 J	5.2 UJ	5.2 UJ	5.2 UJ	0.57 J	29	44	0.47 J

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	153	153	153	153	153	153	153	153	153	153	153
Station ID	150-001-002	150-001-002	150-001-002	32EDC-12-28	32EDC-12-28	32EDC-12-28	32EDC-12-28	32EDC-12-28	C3S009B012	C3S009B012	C3S009B012
Sample ID	150-0002M	150-0025M	150-0026M	C032C467	C032C468	C032C469	C032C470	C032C471	C0590573	C0590574	C0590575
Sample Type	REG	REG	FD	REG	REG	FD	REG	REG	REG	FD	REG
Depth Interval (feet bgs)	4–4.5	4–4.5	4–4.5	0–0.5	0.5–2	0.5–2	2–4	4–8	0–0.5	0–0.5	0.5–2
Sample Date	20-Jun-95	20-Jun-95	20-Jun-95	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	07-Aug-03	07-Aug-03	07-Aug-03
Reference	IT 2001	IT 2001	IT 2001	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2004	BEI 2004	BEI 2004
Semivolatile Organic Compounds (µg/kg) (cont.)											
benzo(a)pyrene				2.7 J	5.2 UJ	0.43 J	5.2 UJ	0.59 J	6.5	7.3	0.3 J
benzyl alcohol											
bis(2-chloroethoxy)methane											
bis(2-chloroethyl)ether											
bis(2-chloro-1-methylethyl)ether											
bis(2-ethylhexyl)phthalate											
4-bromophenyl phenyl ether											
butyl benzyl phthalate											
carbazole											
4-chloroaniline											
4-chloro-3-methylphenol											
2-chloronaphthalene											
2-chlorophenol											
4-chlorophenyl phenyl ether											
chrysene				3.7 J	5.2 UJ	0.38 J	5.2 UJ	0.44 J	13	15	0.24 J
dibenz(a,h)anthracene				0.6 J	5.2 UJ	5.2 UJ	5.2 UJ	0.32 J	5.9	7.1	6.1 U
di-n-butyl phthalate											
dibenzofuran											
1,2-dichlorobenzene											
1,3-dichlorobenzene											
1,4-dichlorobenzene											
3,3'-dichlorobenzidine											
2,4-dichlorophenol											
diethyl phthalate											
2,4-dimethylphenol											
dimethyl phthalate											
4,6-dinitro-2-methylphenol											
2,4-dinitrophenol											
2,4-dinitrotoluene											
2,6-dinitrotoluene											
di-n-octyl phthalate											
1,2-diphenylhydrazine											
fluoranthene				4 J	5.2 UJ	0.31 J	5.2 UJ	0.61 J	13	14	0.47 J
fluorene				5.4 UJ	5.2 UJ	5.2 UJ	5.2 UJ	5.6 UJ	0.39 J	0.6 J	6.1 U
hexachlorobenzene											
hexachlorobutadiene											
hexachlorocyclopentadiene											
hexachloroethane											
indeno(1,2,3-cd)pyrene				1.9 J	5.2 UJ	5.2 UJ	5.2 UJ	0.67 J	8.5	8.9	0.41 J
isophorone											
2-methylnaphthalene				5.4 UJ	5.2 UJ	5.2 UJ	5.2 UJ	5.6 UJ	0.56 J	0.62 J	6.1 U
2-methylphenol											
4-methylphenol											
naphthalene				0.35 J	5.2 UJ	5.2 UJ	5.2 UJ	5.6 UJ	0.51 J	0.6 J	0.3 J

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	153	153	153	153	153	153	153	153	153	153	153
Station ID	150-001-002	150-001-002	150-001-002	32EDC-12-28	32EDC-12-28	32EDC-12-28	32EDC-12-28	32EDC-12-28	C3S009B012	C3S009B012	C3S009B012
Sample ID	150-0002M	150-0025M	150-0026M	C032C467	C032C468	C032C469	C032C470	C032C471	C0590573	C0590574	C0590575
Sample Type	REG	REG	FD	REG	REG	FD	REG	REG	REG	FD	REG
Depth Interval (feet bgs)	4–4.5	4–4.5	4–4.5	0–0.5	0.5–2	0.5–2	2–4	4–8	0–0.5	0–0.5	0.5–2
Sample Date	20-Jun-95	20-Jun-95	20-Jun-95	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	07-Aug-03	07-Aug-03	07-Aug-03
Reference	IT 2001	IT 2001	IT 2001	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2004	BEI 2004	BEI 2004
Semivolatile Organic Compounds (µg/kg) (cont.)											
2-nitroaniline											
3-nitroaniline											
4-nitroaniline											
nitrobenzene											
4-nitrophenol											
2-nitrophenol											
N-nitrosodimethylamine											
N-nitrosodiphenylamine											
N-nitroso-di-n-propylamine											
pentachlorophenol											
phenanthrene				2.9 J	0.46 J	0.47 J	5.2 UJ	0.48 J	6.2	8.6	0.3 J
phenol											
pyrene				4.7 J	5.2 UJ	5.2 UJ	5.2 UJ	0.69 J	12	12	0.62 J
1,2,4-trichlorobenzene											
2,4,5-trichlorophenol											
2,4,6-trichlorophenol											
Pesticides/Polychlorinated Biphenyls (µg/kg)											
aldrin											
Aroclor 1016											
Aroclor 1221											
Aroclor 1232											
Aroclor 1242											
Aroclor 1248											
Aroclor 1254											
Aroclor 1260											
alpha-BHC											
beta-BHC											
delta-BHC											
gamma-BHC (lindane)											
alpha-chlordane											
gamma-chlordane											
4,4´-DDD											
4,4´-DDE											
4,4´-DDT											
dieldrin											
endosulfan I											
endosulfan II											
endosulfan sulfate											
endrin											
endrin aldehyde											
endrin ketone											
heptachlor											
heptachlor epoxide											
methoxychlor											

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	153	153	153	153	153	153	153	153	153	153	153
Station ID	150-001-002	150-001-002	150-001-002	32EDC-12-28	32EDC-12-28	32EDC-12-28	32EDC-12-28	32EDC-12-28	C3S009B012	C3S009B012	C3S009B012
Sample ID	150-0002M	150-0025M	150-0026M	C032C467	C032C468	C032C469	C032C470	C032C471	C0590573	C0590574	C0590575
Sample Type	REG	REG	FD	REG	REG	FD	REG	REG	REG	FD	REG
Depth Interval (feet bgs)	4–4.5	4–4.5	4–4.5	0–0.5	0.5–2	0.5–2	2–4	4–8	0–0.5	0–0.5	0.5–2
Sample Date	20-Jun-95	20-Jun-95	20-Jun-95	20-May-02	20-May-02	20-May-02	20-May-02	20-May-02	07-Aug-03	07-Aug-03	07-Aug-03
Reference	IT 2001	IT 2001	IT 2001	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2004	BEI 2004	BEI 2004
Pesticides/Polychlorinated Biphenyls (µg/kg) (cont.)											
toxaphene											
Dioxins/Furans (µg/kg)											
heptachlorodibenzo-p-dioxins											
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin											
heptachlorodibenzofurans											
1,2,3,4,6,7,8-heptachlorodibenzofuran											
1,2,3,4,7,8,9-heptachlorodibenzofuran											
hexachlorodibenzo-p-dioxins											
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin											
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin											
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin											
hexachlorodibenzofurans											
1,2,3,4,7,8-hexachlorodibenzofuran											
1,2,3,6,7,8-hexachlorodibenzofuran											
1,2,3,7,8,9-hexachlorodibenzofuran											
2,3,4,6,7,8-hexachlorodibenzofuran											
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin											
1,2,3,4,6,7,8,9-octachlorodibenzofuran											
pentachlorodibenzo-p-dioxins											
1,2,3,7,8-pentachlorodibenzo-p-dioxin											
pentachlorodibenzofurans											
1,2,3,7,8-pentachlorodibenzofuran											
2,3,4,7,8-pentachlorodibenzofuran											
tetrachlorodibenzo-p-dioxins											
2,3,7,8-tetrachlorodibenzo-p-dioxin											
tetrachlorodibenzofurans											
2,3,7,8-tetrachlorodibenzofuran											
Organotins (µg/kg)											
dibutyltin											
monobutyltin											
tetrabutyltin											
tributyltin											
Metals (mg/kg)											
aluminum											
antimony											
arsenic											
barium											
beryllium											
cadmium											
calcium											
chromium											
cobalt											
copper											
iron											

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**153**	**153**	**153**	**153**	**153**	**153**	**153**	**153**	**153**	**153**	**153**
Station ID	**150-001-002**	**150-001-002**	**150-001-002**	**32EDC-12-28**	**32EDC-12-28**	**32EDC-12-28**	**32EDC-12-28**	**32EDC-12-28**	**C3S009B012**	**C3S009B012**	**C3S009B012**
Sample ID	**150-0002M**	**150-0025M**	**150-0026M**	**C032C467**	**C032C468**	**C032C469**	**C032C470**	**C032C471**	**C0590573**	**C0590574**	**C0590575**
Sample Type	**REG**	**REG**	**FD**	**REG**	**REG**	**FD**	**REG**	**REG**	**REG**	**FD**	**REG**
Depth Interval (feet bgs)	**4–4.5**	**4–4.5**	**4–4.5**	**0–0.5**	**0.5–2**	**0.5–2**	**2–4**	**4–8**	**0–0.5**	**0–0.5**	**0.5–2**
Sample Date	**20-Jun-95**	**20-Jun-95**	**20-Jun-95**	**20-May-02**	**20-May-02**	**20-May-02**	**20-May-02**	**20-May-02**	**07-Aug-03**	**07-Aug-03**	**07-Aug-03**
Reference	**IT 2001**	**IT 2001**	**IT 2001**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2004**	**BEI 2004**	**BEI 2004**
Metals (mg/kg) (cont.)											
lead											
magnesium											
manganese											
mercury											
molybdenum											
nickel											
potassium											
selenium											
silver											
sodium											
thallium											
titanium											
vanadium											
zinc											

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	153	153	*153*	*153*	*153*	*153*	*153*	*153*	*153*
Station ID	**C3S009B012**	**C3S009B012**	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***
Sample ID	**C0590576**	**C0590577**	***MW410-3 [1.0-1.5]***	***MW410-3 [1.0-1.5]***	***MW410-3 [11.5-12.0]***	***MW410-3 [12.0-12.5]***	***MW410-3 [14.5-15.0]***	***MW410-3 [15.0-15.5]***	***MW410-3 [3.0-3.5]***
Sample Type	**REG**	**REG**	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***
Depth Interval (feet bgs)	**2–4**	**4–8**	***1–1.5***	***1–1.5***	***11.5–12***	***12–12.5***	***14.5–15***	***15–15.5***	***3–3.5***
Sample Date	**07-Aug-03**	**07-Aug-03**	***12-Jul-90***	***12-Jul-90***	***16-Jul-90***	***12-Jul-90***	***16-Jul-90***	***12-Jul-90***	***16-Jul-90***
Reference	**BEI 2004**	**BEI 2004**	***TtEMI 2003***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***
Volatile Organic Compounds (µg/kg)									
acetone					*14 U*		*13 U*		*13 U*
benzene					*6 U*		*6 U*		*5 U*
bromobenzene									
bromochloromethane									
bromodichloromethane					*6 U*		*6 U*		*5 U*
bromoform					*6 U*		*6 U*		*5 U*
bromomethane					*12 U*		*12 U*		*10 U*
2-butanone					*12 U*		*12 U*		*10 U*
n-butylbenzene									
sec-butylbenzene									
tert-butylbenzene									
carbon disulfide					*6 U*		*6 U*		*5 U*
carbon tetrachloride					*6 U*		*6 U*		*5 U*
chlorobenzene					*6 U*		*6 U*		*5 U*
chlorodibromomethane					*6 U*		*6 U*		*5 U*
chloroethane					*12 U*		*12 U*		*10 U*
2-chloroethylvinyl ether					*12 U*		*12 U*		*10 U*
chloroform					*6 U*		*6 U*		*5 U*
chloromethane					*12 U*		*12 U*		*10 U*
2-chlorotoluene									
4-chlorotoluene									
1,2-dibromo-3-chloropropane									
1,2-dibromoethane									
dibromomethane									
1,2-dichlorobenzene			*700 U*		*6 U*		*6 U*		*5 U*
1,3-dichlorobenzene			*700 U*		*6 U*		*6 U*		*5 U*
1,4-dichlorobenzene			*700 U*		*6 U*		*6 U*		*5 U*
dichlorodifluoromethane									
1,1-dichloroethane					*6 U*		*6 U*		*5 U*
1,2-dichloroethane					*6 U*		*6 U*		*5 U*
1,1-dichloroethene					*6 U*		*6 U*		*5 U*
cis-1,2-dichloroethene									
trans-1,2-dichloroethene									
1,2-dichloroethene					*6 U*		*6 U*		*5 U*
1,2-dichloropropane					*6 U*		*6 U*		*5 U*
1,3-dichloropropane									
sec-dichloropropane									
1,1-dichloropropene									
cis-1,3-dichloropropene					*6 U*		*6 U*		*5 U*
trans-1,3-dichloropropene					*6 U*		*6 U*		*5 U*
ethylbenzene					*6 U*		*6 U*		*5 U*
hexachlorobutadiene									
n-hexane									
2-hexanone					*12 U*		*12 U*		*10 U*

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**153**	**153**	***153***	***153***	***153***	***153***	***153***	***153***	***153***
Station ID	**C3S009B012**	**C3S009B012**	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***
Sample ID	**C0590576**	**C0590577**	***MW410-3 [1.0-1.5]***	***MW410-3 [1.0-1.5]***	***MW410-3 [11.5-12.0]***	***MW410-3 [12.0-12.5]***	***MW410-3 [14.5-15.0]***	***MW410-3 [15.0-15.5]***	***MW410-3 [3.0-3.5]***
Sample Type	**REG**	**REG**	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***
Depth Interval (feet bgs)	**2–4**	**4–8**	***1–1.5***	***1–1.5***	***11.5–12***	***12–12.5***	***14.5–15***	***15–15.5***	***3–3.5***
Sample Date	**07-Aug-03**	**07-Aug-03**	***12-Jul-90***	***12-Jul-90***	***16-Jul-90***	***12-Jul-90***	***16-Jul-90***	***12-Jul-90***	***16-Jul-90***
Reference	**BEI 2004**	**BEI 2004**	***TtEMI 2003***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***
Volatile Organic Compounds (µg/kg) (cont.)									
isopropylbenzene									
p-isopropyltoluene									
methyl tert-butyl ether									
methylene chloride					*7 U*		*6 U*		*5 U*
4-methyl-2-pentanone					*12 U*		*12 U*		*10 U*
naphthalene									
n-propylbenzene									
styrene					*6 U*		*6 U*		*5 U*
1,1,1,2-tetrachloroethane									
1,1,2,2-tetrachloroethane					*6 U*		*6 U*		*5 U*
tetrachloroethene					*6 U*		*6 U*		*5 U*
toluene					*7*		*7*		*5 U*
1,2,3-trichlorobenzene									
1,2,4-trichlorobenzene									
1,1,1-trichloroethane					*6 U*		*6 U*		*5 U*
1,1,2-trichloroethane					*6 U*		*6 U*		*5 U*
trichloroethene					*6 U*		*6 U*		*5 U*
trichlorofluoromethane					*6 U*		*6 U*		*5 U*
1,2,3-trichloropropane									
1,2,4-trimethylbenzene									
1,3,5-trimethylbenzene									
vinyl acetate					*12 U*		*12 U*		*10 U*
vinyl chloride					*12 U*		*12 U*		*10 U*
meta-,para-xylene									
m-, p-xylene									
o-xylene									
xylenes, total					*6 U*		*6 U*		*5 U*
Petroleum Hydrocarbons (µg/kg)									
diesel									
gasoline									
jet fuel #5 (JP5)									
JP-5									
motor oil									
Semivolatile Organic Compounds (µg/kg)									
acenaphthene	5.3 U	5.7 U		*700 U*	*400 U*		*410 U*		*340 U*
acenaphthylene	5.3 U	5.7 U		*700 U*	*400 U*		*410 U*		*340 U*
aniline									
anthracene	5.3 U	5.7 U		*700 U*	*400 U*		*410 U*		*340 U*
benz(a)anthracene	5.3 U	0.85 J		*700 U*	*400 U*		*410 U*		*340 U*
benzidine									
benzo(b)fluoranthene	5.3 U	2 J		*700 U*	*400 U*		*81 J*		*340 U*
benzo(k)fluoranthene	5.3 U	0.89 J		*700 U*	*400 U*		*170 J*		*340 U*
benzoic acid				*3,400 U*	*2,000 U*		*2,000 U*		*1,700 U*
benzo(g,h,i)perylene	5.3 U	4.5 J		*700 U*	*400 U*		*190 J*		*340 U*

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**153**	**153**	***153***	***153***	***153***	***153***	***153***	***153***	***153***
Station ID	**C3S009B012**	**C3S009B012**	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***
Sample ID	**C0590576**	**C0590577**	***MW410-3 [1.0-1.5]***	***MW410-3 [1.0-1.5]***	***MW410-3 [11.5-12.0]***	***MW410-3 [12.0-12.5]***	***MW410-3 [14.5-15.0]***	***MW410-3 [15.0-15.5]***	***MW410-3 [3.0-3.5]***
Sample Type	**REG**	**REG**	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***
Depth Interval (feet bgs)	**2–4**	**4–8**	***1–1.5***	***1–1.5***	***11.5–12***	***12–12.5***	***14.5–15***	***15–15.5***	***3–3.5***
Sample Date	**07-Aug-03**	**07-Aug-03**	***12-Jul-90***	***12-Jul-90***	***16-Jul-90***	***12-Jul-90***	***16-Jul-90***	***12-Jul-90***	***16-Jul-90***
Reference	**BEI 2004**	**BEI 2004**	***TtEMI 2003***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***
Semivolatile Organic Compounds (µg/kg) (cont.)									
benzo(a)pyrene	5.3 U	1.3 J		*700 U*	*400 U*		*180 J*		*340 U*
benzyl alcohol				*700 U*	*400 U*		*410 U*		*340 U*
bis(2-chloroethoxy)methane				*700 U*	*400 U*		*410 U*		*340 U*
bis(2-chloroethyl)ether				*700 U*	*400 U*		*410 U*		*340 U*
bis(2-chloro-1-methylethyl)ether									
bis(2-ethylhexyl)phthalate				*700 U*	*400 U*		*410 U*		*340 U*
4-bromophenyl phenyl ether				*700 U*	*400 U*		*410 U*		*340 U*
butyl benzyl phthalate				*700 U*	*400 U*		*410 U*		*340 U*
carbazole									
4-chloroaniline				*700 U*	*400 U*		*410 U*		*340 U*
4-chloro-3-methylphenol				*700 U*	*400 U*		*410 U*		*340 U*
2-chloronaphthalene				*700 U*	*400 U*		*410 U*		*340 U*
2-chlorophenol				*700 U*	*400 U*		*410 U*		*340 U*
4-chlorophenyl phenyl ether				*700 U*	*400 U*		*410 U*		*340 U*
chrysene	5.3 U	2.6 J		*700 U*	*400 U*		*410 U*		*340 U*
dibenz(a,h)anthracene	5.3 U	0.87 J		*700 U*	*400 U*		*410 U*		*340 U*
di-n-butyl phthalate				*700 U*	*400 U*		*410 U*		*340 U*
dibenzofuran				*700 U*	*400 U*		*410 U*		*340 U*
1,2-dichlorobenzene				*700 U*	*400 U*		*410 U*		*340 U*
1,3-dichlorobenzene				*700 U*	*400 U*		*410 U*		*340 U*
1,4-dichlorobenzene				*700 U*	*400 U*		*410 U*		*340 U*
3,3'-dichlorobenzidine				*1,400 U*	*800 U*		*810 U*		*690 U*
2,4-dichlorophenol				*700 U*	*400 U*		*410 U*		*340 U*
diethyl phthalate				*700 U*	*400 U*		*410 U*		*340 U*
2,4-dimethylphenol				*700 U*	*400 U*		*410 U*		*340 U*
dimethyl phthalate				*700 U*	*400 U*		*410 U*		*340 U*
4,6-dinitro-2-methylphenol				*3,400 U*	*2,000 U*		*2,000 U*		*1,700 U*
2,4-dinitrophenol				*3,400 U*	*2,000 U*		*2,000 U*		*1,700 U*
2,4-dinitrotoluene				*700 U*	*400 U*		*410 U*		*340 U*
2,6-dinitrotoluene				*700 U*	*400 U*		*410 U*		*340 U*
di-n-octyl phthalate				*700 U*	*400 U*		*410 U*		*340 U*
1,2-diphenylhydrazine				*700 U*	*400 U*		*410 U*		*340 U*
fluoranthene	0.42 J	2.4 J		*700 U*	*400 U*		*110 J*		*340 U*
fluorene	5.3 U	5.7 U		*700 U*	*400 U*		*410 U*		*340 U*
hexachlorobenzene				*700 U*	*400 U*		*410 U*		*340 U*
hexachlorobutadiene				*700 U*	*400 U*		*410 U*		*340 U*
hexachlorocyclopentadiene				*700 U*	*400 U*		*410 U*		*340 U*
hexachloroethane				*700 U*	*400 U*		*410 U*		*340 U*
indeno(1,2,3-cd)pyrene	5.3 U	1.7 J		*700 U*	*400 U*		*140 J*		*340 U*
isophorone				*700 U*	*400 U*		*410 U*		*340 U*
2-methylnaphthalene	5.3 U	5.7 U		*700 U*	*400 U*		*410 U*		*340 U*
2-methylphenol				*700 U*	*400 U*		*410 U*		*340 U*
4-methylphenol				*700 U*	*400 U*		*410 U*		*340 U*
naphthalene	5.3 U	5.7 U		*700 U*	*400 U*		*410 U*		*340 U*

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	153	153	*153*	*153*	*153*	*153*	*153*	*153*	*153*	*153*
Station ID	**C3S009B012**	**C3S009B012**	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***
Sample ID	**C0590576**	**C0590577**	***MW410-3 [1.0-1.5]***	***MW410-3 [1.0-1.5]***	***MW410-3 [11.5-12.0]***	***MW410-3 [12.0-12.5]***	***MW410-3 [14.5-15.0]***	***MW410-3 [15.0-15.5]***	***MW410-3 [3.0-3.5]***	
Sample Type	**REG**	**REG**	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	
Depth Interval (feet bgs)	**2–4**	**4–8**	***1–1.5***	***1–1.5***	***11.5–12***	***12–12.5***	***14.5–15***	***15–15.5***	***3–3.5***	
Sample Date	**07-Aug-03**	**07-Aug-03**	***12-Jul-90***	***12-Jul-90***	***16-Jul-90***	***12-Jul-90***	***16-Jul-90***	***12-Jul-90***	***16-Jul-90***	
Reference	**BEI 2004**	**BEI 2004**	***TtEMI 2003***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	
Semivolatile Organic Compounds (µg/kg) (cont.)										
2-nitroaniline				*3,400 U*	*2,000 U*		*2,000 U*		*1,700 U*	
3-nitroaniline				*3,400 U*	*2,000 U*		*2,000 U*		*1,700 U*	
4-nitroaniline				*3,400 U*	*2,000 U*		*2,000 U*		*1,700 U*	
nitrobenzene				*700 U*	*400 U*		*410 U*		*340 U*	
4-nitrophenol				*3,400 U*	*2,000 U*		*2,000 U*		*1,700 U*	
2-nitrophenol				*700 U*	*400 U*		*410 U*		*340 U*	
N-nitrosodimethylamine										
N-nitrosodiphenylamine				*700 U*	*400 U*		*410 U*		*340 U*	
N-nitroso-di-n-propylamine				*700 U*	*400 U*		*410 U*		*340 U*	
pentachlorophenol				*3,400 U*	*2,000 U*		*2,000 U*		*1,700 U*	
phenanthrene	0.28 J	0.95 J		*700 U*	*400 U*		*82 J*		*340 U*	
phenol				*700 U*	*400 U*		*410 U*		*340 U*	
pyrene	5.3 U	2.7 J		*700 U*	*400 U*		*220 J*		*340 U*	
1,2,4-trichlorobenzene				*700 U*	*400 U*		*410 U*		*340 U*	
2,4,5-trichlorophenol				*3,400 U*	*2,000 U*		*2,000 U*		*1,700 U*	
2,4,6-trichlorophenol				*700 U*	*400 U*		*410 U*		*340 U*	
Pesticides/Polychlorinated Biphenyls (µg/kg)										
aldrin										
Aroclor 1016										
Aroclor 1221										
Aroclor 1232										
Aroclor 1242										
Aroclor 1248										
Aroclor 1254										
Aroclor 1260										
alpha-BHC										
beta-BHC										
delta-BHC										
gamma-BHC (lindane)										
alpha-chlordane										
gamma-chlordane										
4,4´-DDD										
4,4´-DDE										
4,4´-DDT										
dieldrin										
endosulfan I										
endosulfan II										
endosulfan sulfate										
endrin										
endrin aldehyde										
endrin ketone										
heptachlor										
heptachlor epoxide										
methoxychlor										

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**153**	**153**	***153***	***153***	***153***	***153***	***153***	***153***	***153***	***153***
Station ID	**C3S009B012**	**C3S009B012**	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***
Sample ID	**C0590576**	**C0590577**	***MW410-3 [1.0-1.5]***	***MW410-3 [1.0-1.5]***	***MW410-3 [11.5-12.0]***	***MW410-3 [12.0-12.5]***	***MW410-3 [14.5-15.0]***	***MW410-3 [15.0-15.5]***	***MW410-3 [3.0-3.5]***	
Sample Type	**REG**	**REG**	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	
Depth Interval (feet bgs)	**2–4**	**4–8**	***1–1.5***	***1–1.5***	***11.5–12***	***12–12.5***	***14.5–15***	***15–15.5***	***3–3.5***	
Sample Date	**07-Aug-03**	**07-Aug-03**	***12-Jul-90***	***12-Jul-90***	***16-Jul-90***	***12-Jul-90***	***16-Jul-90***	***12-Jul-90***	***16-Jul-90***	
Reference	**BEI 2004**	**BEI 2004**	***TtEMI 2003***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	
Pesticides/Polychlorinated Biphenyls (µg/kg) (cont.)										
toxaphene										
Dioxins/Furans (µg/kg)										
heptachlorodibenzo-p-dioxins										
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin										
heptachlorodibenzofurans										
1,2,3,4,6,7,8-heptachlorodibenzofuran										
1,2,3,4,7,8,9-heptachlorodibenzofuran										
hexachlorodibenzo-p-dioxins										
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin										
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin										
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin										
hexachlorodibenzofurans										
1,2,3,4,7,8-hexachlorodibenzofuran										
1,2,3,6,7,8-hexachlorodibenzofuran										
1,2,3,7,8,9-hexachlorodibenzofuran										
2,3,4,6,7,8-hexachlorodibenzofuran										
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin										
1,2,3,4,6,7,8,9-octachlorodibenzofuran										
pentachlorodibenzo-p-dioxins										
1,2,3,7,8-pentachlorodibenzo-p-dioxin										
pentachlorodibenzofurans										
1,2,3,7,8-pentachlorodibenzofuran										
2,3,4,7,8-pentachlorodibenzofuran										
tetrachlorodibenzo-p-dioxins										
2,3,7,8-tetrachlorodibenzo-p-dioxin										
tetrachlorodibenzofurans										
2,3,7,8-tetrachlorodibenzofuran										
Organotins (µg/kg)										
dibutyltin										
monobutyltin										
tetrabutyltin										
tributyltin										
Metals (mg/kg)										
aluminum				*3,920*		*4,570*		*3,890*		
antimony				*2.1 U*		*2.4 U*		*2.4 U*		
arsenic				*2.6 U*		*2.9 U*		*3.7*		
barium				*51.2*		*25.7*		*17.5*		
beryllium				*0.2 U*		*0.2 U*		*0.2 U*		
cadmium				*0.2*		*0.5*		*0.2 U*		
calcium				*14,000*		*2,040*		*4,960*		
chromium				*34.4*		*29.6*		*25.3*		
cobalt				*4.5*		*5*		*4.9*		
copper				*27.9*		*9.7*		*12.1*		
iron				*6,660*		*7,420*		*6,370*		

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**153**	**153**	***153***	***153***	***153***	***153***	***153***	***153***	***153***
Station ID	**C3S009B012**	**C3S009B012**	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***
Sample ID	**C0590576**	**C0590577**	***MW410-3 [1.0-1.5]***	***MW410-3 [1.0-1.5]***	***MW410-3 [11.5-12.0]***	***MW410-3 [12.0-12.5]***	***MW410-3 [14.5-15.0]***	***MW410-3 [15.0-15.5]***	***MW410-3 [3.0-3.5]***
Sample Type	**REG**	**REG**	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***
Depth Interval (feet bgs)	**2–4**	**4–8**	***1–1.5***	***1–1.5***	***11.5–12***	***12–12.5***	***14.5–15***	***15–15.5***	***3–3.5***
Sample Date	**07-Aug-03**	**07-Aug-03**	***12-Jul-90***	***12-Jul-90***	***16-Jul-90***	***12-Jul-90***	***16-Jul-90***	***12-Jul-90***	***16-Jul-90***
Reference	**BEI 2004**	**BEI 2004**	***TtEMI 2003***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***
Metals (mg/kg) (cont.)									
lead				*5.3 U*		*6 U*		*5.9 U*	
magnesium				*1,990*		*2,350*		*1,810*	
manganese				*135*		*90.4*		*81.5*	
mercury									
molybdenum				*1.1 U*		*1.2 U*		*1.2 U*	
nickel				*23.1*		*24.1*		*17.4*	
potassium				*560*		*700*		*720*	
selenium				*4.5 U*		*5 U*		*5 U*	
silver				*0.6 U*		*0.7 U*		*0.7 U*	
sodium				*244*		*453*		*445*	
thallium				*2.8 U*		*3.1 U*		*3.1 U*	
titanium				*329*		*367*		*223*	
vanadium				*16.7*		*17.2*		*13.6*	
zinc				*32.5*		*27.8*		*26.6*	

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	*153*	*153*	*153*	*153*	*153*	154	154	154	154	154
Station ID	*MW410-3*	*MW410-3*	*MW410-3*	*MW410-3*	*MW410-3*	154-001-001	154-001-001	154-001-001	154-001-001	154-001-002
Sample ID	*MW410-3 [4.0-4.5]*	*MW410-3 [5.5-6.0]*	*MW410-3 [6.0-6.5]*	*MW410-3 [8.5-9.0]*	*MW410-3 [9.0-9.5]*	154-0001	154-0001M	154-0021	154-0021M	154-0002M
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	*4–4.5*	*5.5–6*	*6–6.5*	*8.5–9*	*9–9.5*	0.5–1	0.5–1	4–4.5	4–4.5	0.5–1
Sample Date	*12-Jul-90*	*16-Jul-90*	*12-Jul-90*	*16-Jul-90*	*12-Jul-90*	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg)										
acetone		*12 U*		*15 U*		11 U	21 U	10 U	21 U	21 U
benzene		*6 U*		*6 U*		11 U	5 U	10 U	5 U	5 U
bromobenzene										
bromochloromethane										
bromodichloromethane		*6 U*		*6 U*		11 U	5 U	10 U	5 U	5 U
bromoform		*6 U*		*6 U*		11 U	5 U	10 U	5 U	5 U
bromomethane		*12 U*		*12 U*		11 U	11 U	10 U	10 U	10 U
2-butanone		*12 U*		*12 U*		3 J	11 U	4 J	10 U	10 U
n-butylbenzene										
sec-butylbenzene										
tert-butylbenzene										
carbon disulfide		*6 U*		*6 U*		11 U	5 U	10 U	5 U	5 U
carbon tetrachloride		*6 U*		*6 U*		11 U	5 U	10 U	5 U	5 U
chlorobenzene		*6 U*		*6 U*		11 U	5 U	10 U	5 U	5 U
chlorodibromomethane		*6 U*		*6 U*		11 U	5 U	10 U	5 U	5 U
chloroethane		*12 U*		*12 U*		11 U	11 U	10 U	10 U	10 U
2-chloroethylvinyl ether		*12 U*		*12 U*						
chloroform		*6 U*		*6 U*		11 U	5 U	10 U	5 U	5 U
chloromethane		*12 U*		*12 U*		11 U	11 U	10 U	10 U	10 U
2-chlorotoluene										
4-chlorotoluene										
1,2-dibromo-3-chloropropane										
1,2-dibromoethane										
dibromomethane										
1,2-dichlorobenzene		*6 U*		*6 U*						
1,3-dichlorobenzene		*6 U*		*6 U*		350 U	350 U	340 U	350 U	340 U
1,4-dichlorobenzene		*6 U*		*6 U*		350 U	350 U	340 U	350 U	340 U
dichlorodifluoromethane										
1,1-dichloroethane		*6 U*		*6 U*		11 U	5 U	10 U	5 U	5 U
1,2-dichloroethane		*6 U*		*6 U*		11 U	5 U	10 U	5 U	5 U
1,1-dichloroethene		*6 U*		*6 U*		11 U	5 U	10 U	5 U	5 U
cis-1,2-dichloroethene							5 U		5 U	5 U
trans-1,2-dichloroethene							5 U		5 U	5 U
1,2-dichloroethene		*6 U*		*6 U*		11 U		10 U		
1,2-dichloropropane		*6 U*		*6 U*		11 U	5 U	10 U	5 U	5 U
1,3-dichloropropane										
sec-dichloropropane										
1,1-dichloropropene										
cis-1,3-dichloropropene		*6 U*		*6 U*		11 U	5 U	10 U	5 U	5 U
trans-1,3-dichloropropene		*6 U*		*6 U*		11 U	5 U	10 U	5 U	5 U
ethylbenzene		*6 U*		*6 U*		11 U	5 U	10 U	5 U	5 U
hexachlorobutadiene										
n-hexane							5 U		5 U	5 U
2-hexanone		*12 U*		*12 U*		11 U	11 U	10 U	10 U	10 U

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	***153***	***153***	***153***	***153***	***153***	**154**	**154**	**154**	**154**	**154**
Station ID	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	**154-001-001**	**154-001-001**	**154-001-001**	**154-001-001**	**154-001-002**
Sample ID	***MW410-3 [4.0-4.5]***	***MW410-3 [5.5-6.0]***	***MW410-3 [6.0-6.5]***	***MW410-3 [8.5-9.0]***	***MW410-3 [9.0-9.5]***	**154-0001**	**154-0001M**	**154-0021**	**154-0021M**	**154-0002M**
Sample Type	***REG***	***REG***	***REG***	***REG***	***REG***	**REG**	**REG**	**REG**	**REG**	**REG**
Depth Interval (feet bgs)	***4–4.5***	***5.5–6***	***6–6.5***	***8.5–9***	***9–9.5***	**0.5–1**	**0.5–1**	**4–4.5**	**4–4.5**	**0.5–1**
Sample Date	***12-Jul-90***	***16-Jul-90***	***12-Jul-90***	***16-Jul-90***	***12-Jul-90***	**13-Jun-95**	**13-Jun-95**	**13-Jun-95**	**13-Jun-95**	**13-Jun-95**
Reference	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**
Volatile Organic Compounds (µg/kg) (cont.)										
isopropylbenzene										
p-isopropyltoluene										
methyl tert-butyl ether										
methylene chloride		*6 U*		*7 U*		11 U	21 U	10 U	21 U	21 U
4-methyl-2-pentanone		*12 U*		*12 U*		11 U	11 U	10 U	10 U	10 U
naphthalene										
n-propylbenzene										
styrene		*6 U*		*6 U*		11 U	5 U	10 U	5 U	5 U
1,1,1,2-tetrachloroethane										
1,1,2,2-tetrachloroethane		*6 U*		*6 U*		11 U	5 U	10 U	5 U	5 U
tetrachloroethene		*6 U*		*6 U*		11 U	5 U	10 U	5 U	5 U
toluene		*3 J*		*5 J*		11 U	5 U	10 U	5 U	5 U
1,2,3-trichlorobenzene										
1,2,4-trichlorobenzene						350 U	350 U	340 U	350 U	340 U
1,1,1-trichloroethane		*6 U*		*6 U*		11 U	5 U	10 U	5 U	5 U
1,1,2-trichloroethane		*6 U*		*6 U*		11 U	5 U	10 U	5 U	5 U
trichloroethene		*6 U*		*6 U*		11 U	5 U	10 U	5 U	5 U
trichlorofluoromethane		*6 U*		*6 U*			5 U		5 U	5 U
1,2,3-trichloropropane										
1,2,4-trimethylbenzene										
1,3,5-trimethylbenzene										
vinyl acetate		*12 U*		*12 U*			53 U		52 U	52 U
vinyl chloride		*12 U*		*12 U*		11 U	11 U	10 U	10 U	10 U
meta-,para-xylene							5 U		5 U	5 U
m-, p-xylene										
o-xylene							5 U		5 U	5 U
xylenes, total		*6 U*		*6 U*		11 U		10 U		
Petroleum Hydrocarbons (µg/kg)										
diesel						11,000 U	9,000	10,000 U	1,000 U	1,000 U
gasoline						500 U	500 U	500 U	500 U	500 U
jet fuel #5 (JP5)										
JP-5										
motor oil						60,000 J	26,000 U	56,000 J	26,000 U	26,000 U
Semivolatile Organic Compounds (µg/kg)										
acenaphthene		*390 U*		*400 U*						
acenaphthylene		*390 U*		*400 U*						
aniline							350 U		350 U	340 U
anthracene		*390 U*		*400 U*						
benz(a)anthracene		*390 U*		*400 U*						
benzidine							350 U		350 U	340 U
benzo(b)fluoranthene		*390 U*		*400 U*						
benzo(k)fluoranthene		*390 U*		*400 U*						
benzoic acid		*1,900 U*		*2000 U*						
benzo(g,h,i)perylene		*390 U*		*400 U*						

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	***153***	***153***	***153***	***153***	***153***	**154**	**154**	**154**	**154**	**154**
Station ID	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	**154-001-001**	**154-001-001**	**154-001-001**	**154-001-001**	**154-001-002**
Sample ID	***MW410-3 [4.0-4.5]***	***MW410-3 [5.5-6.0]***	***MW410-3 [6.0-6.5]***	***MW410-3 [8.5-9.0]***	***MW410-3 [9.0-9.5]***	**154-0001**	**154-0001M**	**154-0021**	**154-0021M**	**154-0002M**
Sample Type	***REG***	***REG***	***REG***	***REG***	***REG***	**REG**	**REG**	**REG**	**REG**	**REG**
Depth Interval (feet bgs)	***4–4.5***	***5.5–6***	***6–6.5***	***8.5–9***	***9–9.5***	**0.5–1**	**0.5–1**	**4–4.5**	**4–4.5**	**0.5–1**
Sample Date	***12-Jul-90***	***16-Jul-90***	***12-Jul-90***	***16-Jul-90***	***12-Jul-90***	**13-Jun-95**	**13-Jun-95**	**13-Jun-95**	**13-Jun-95**	**13-Jun-95**
Reference	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**
Semivolatile Organic Compounds (µg/kg) (cont.)										
benzo(a)pyrene		*390 U*		*400 U*						
benzyl alcohol		*390 U*		*400 U*			350 U		350 U	340 U
bis(2-chloroethoxy)methane		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
bis(2-chloroethyl)ether		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
bis(2-chloro-1-methylethyl)ether						350 U	350 U	340 U	350 U	340 U
bis(2-ethylhexyl)phthalate		*390 U*		*400 U*		25 J	350 U	340 U	350 U	340 U
4-bromophenyl phenyl ether		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
butyl benzyl phthalate		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
carbazole						350 U		340 U		
4-chloroaniline		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
4-chloro-3-methylphenol		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
2-chloronaphthalene		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
2-chlorophenol		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
4-chlorophenyl phenyl ether		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
chrysene		*390 U*		*400 U*						
dibenz(a,h)anthracene		*390 U*		*400 U*						
di-n-butyl phthalate		*390 U*		*400 U*		55 J	350 U	18 J	350 U	340 U
dibenzofuran		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
1,2-dichlorobenzene		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
1,3-dichlorobenzene		*390 U*		*400 U*						
1,4-dichlorobenzene		*390 U*		*400 U*						
3,3'-dichlorobenzidine		*790 U*		*800 U*		350 U	1,800 U	340 U	1,700 U	1,700 U
2,4-dichlorophenol		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
diethyl phthalate		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
2,4-dimethylphenol		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
dimethyl phthalate		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
4,6-dinitro-2-methylphenol		*1,900 U*		*2,000 U*		860 U	1,800 U	830 U	1,700 U	1,700 U
2,4-dinitrophenol		*1,900 U*		*2,000 U*		860 U	1,800 U	830 U	1,700 U	1,700 U
2,4-dinitrotoluene		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
2,6-dinitrotoluene		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
di-n-octyl phthalate		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
1,2-diphenylhydrazine		*390 U*		*400 U*						
fluoranthene		*390 U*		*400 U*						
fluorene		*390 U*		*400 U*						
hexachlorobenzene		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
hexachlorobutadiene		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
hexachlorocyclopentadiene		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
hexachloroethane		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
indeno(1,2,3-cd)pyrene		*390 U*		*400 U*						
isophorone		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
2-methylnaphthalene		*390 U*		*400 U*						
2-methylphenol		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
4-methylphenol		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
naphthalene		*390 U*		*400 U*						

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	*153*	*153*	*153*	*153*	*153*	154	154	154	154	154
Station ID	*MW410-3*	*MW410-3*	*MW410-3*	*MW410-3*	*MW410-3*	154-001-001	154-001-001	154-001-001	154-001-001	154-001-002
Sample ID	*MW410-3 [4.0-4.5]*	*MW410-3 [5.5-6.0]*	*MW410-3 [6.0-6.5]*	*MW410-3 [8.5-9.0]*	*MW410-3 [9.0-9.5]*	154-0001	154-0001M	154-0021	154-0021M	154-0002M
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	*4–4.5*	*5.5–6*	*6–6.5*	*8.5–9*	*9–9.5*	0.5–1	0.5–1	4–4.5	4–4.5	0.5–1
Sample Date	*12-Jul-90*	*16-Jul-90*	*12-Jul-90*	*16-Jul-90*	*12-Jul-90*	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)										
2-nitroaniline		*1,900 U*		*2,000 U*		860 U	1,800 U	830 U	1,700 U	1,700 U
3-nitroaniline		*1,900 U*		*2,000 U*		860 U	1,800 U	830 U	1,700 U	1,700 U
4-nitroaniline		*1,900 U*		*2,000 U*		860 U	1,800 U	830 U	1,700 U	1,700 U
nitrobenzene		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
4-nitrophenol		*1,900 U*		*2,000 U*		860 U	1,800 U	830 U	1,700 U	1,700 U
2-nitrophenol		*390 U*		*400 U*		350 U	1,800 U	340 U	1,700 U	1,700 U
N-nitrosodimethylamine							350 U		350 U	340 U
N-nitrosodiphenylamine		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
N-nitroso-di-n-propylamine		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
pentachlorophenol		*1,900 U*		*2,000 U*		860 U	1,800 U	830 U	1,700 U	1,700 U
phenanthrene		*390 U*		*400 U*						
phenol		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
pyrene		*390 U*		*400 U*						
1,2,4-trichlorobenzene		*390 U*		*400 U*						
2,4,5-trichlorophenol		*1,900 U*		*2,000 U*		860 U	1,800 U	830 U	1,700 U	1,700 U
2,4,6-trichlorophenol		*390 U*		*400 U*		350 U	350 U	340 U	350 U	340 U
Pesticides/Polychlorinated Biphenyls (µg/kg)										
aldrin										
Aroclor 1016										
Aroclor 1221										
Aroclor 1232										
Aroclor 1242										
Aroclor 1248										
Aroclor 1254										
Aroclor 1260										
alpha-BHC										
beta-BHC										
delta-BHC										
gamma-BHC (lindane)										
alpha-chlordane										
gamma-chlordane										
4,4´-DDD										
4,4´-DDE										
4,4´-DDT										
dieldrin										
endosulfan I										
endosulfan II										
endosulfan sulfate										
endrin										
endrin aldehyde										
endrin ketone										
heptachlor										
heptachlor epoxide										
methoxychlor										

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	*153*	*153*	*153*	*153*	*153*	154	154	154	154	154
Station ID	*MW410-3*	*MW410-3*	*MW410-3*	*MW410-3*	*MW410-3*	154-001-001	154-001-001	154-001-001	154-001-001	154-001-002
Sample ID	*MW410-3 [4.0-4.5]*	*MW410-3 [5.5-6.0]*	*MW410-3 [6.0-6.5]*	*MW410-3 [8.5-9.0]*	*MW410-3 [9.0-9.5]*	154-0001	154-0001M	154-0021	154-0021M	154-0002M
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	*4–4.5*	*5.5–6*	*6–6.5*	*8.5–9*	*9–9.5*	0.5–1	0.5–1	4–4.5	4–4.5	0.5–1
Sample Date	*12-Jul-90*	*16-Jul-90*	*12-Jul-90*	*16-Jul-90*	*12-Jul-90*	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Pesticides/Polychlorinated Biphenyls (µg/kg) (cont.)										
toxaphene										
Dioxins/Furans (µg/kg)										
heptachlorodibenzo-p-dioxins										
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin										
heptachlorodibenzofurans										
1,2,3,4,6,7,8-heptachlorodibenzofuran										
1,2,3,4,7,8,9-heptachlorodibenzofuran										
hexachlorodibenzo-p-dioxins										
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin										
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin										
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin										
hexachlorodibenzofurans										
1,2,3,4,7,8-hexachlorodibenzofuran										
1,2,3,6,7,8-hexachlorodibenzofuran										
1,2,3,7,8,9-hexachlorodibenzofuran										
2,3,4,6,7,8-hexachlorodibenzofuran										
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin										
1,2,3,4,6,7,8,9-octachlorodibenzofuran										
pentachlorodibenzo-p-dioxins										
1,2,3,7,8-pentachlorodibenzo-p-dioxin										
pentachlorodibenzofurans										
1,2,3,7,8-pentachlorodibenzofuran										
2,3,4,7,8-pentachlorodibenzofuran										
tetrachlorodibenzo-p-dioxins										
2,3,7,8-tetrachlorodibenzo-p-dioxin										
tetrachlorodibenzofurans										
2,3,7,8-tetrachlorodibenzofuran										
Organotins (µg/kg)										
dibutyltin										
monobutyltin										
tetrabutyltin										
tributyltin										
Metals (mg/kg)										
aluminum	*3,110*		*3,860*		*3,690*	3,710 J		3,920 J		
antimony	*2.1 U*		*2.4 U*		*2.4 U*	1.4 UJ	3.1 U	1.3 UJ	3 U	3.1 U
arsenic	*2.9*		*2.8 U*		*2.9 U*	1.2	1.3	1.3	1.1	1
barium	*44*		*29.2*		*22.1*	32.6	25.5	24.2	35.2	23.9
beryllium	*0.2 U*		*0.2 U*		*0.2 U*	0.15 U	0.19	0.15 U	0.21	0.2
cadmium	*0.2 U*		*0.2 U*		*0.3*	0.06 U	1.1	0.06 U	0.33	0.32
calcium	*12,400*		*2,190*		*1,910*	7,210		2,020		
chromium	*26.5*		*38.7*		*26.8*	23.5 J	25.9	23.2 J	26.1	34.7
cobalt	*3.4*		*3.9*		*4.1*	4.2	4	3.6	4.4	4
copper	*7.6*		*9.6*		*6.5*	11.3	9.9	7.1	7.1	6.1
iron	*5,650*		*6,730*		*6,390*	6,720		6,930		

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	***153***	***153***	***153***	***153***	***153***	**154**	**154**	**154**	**154**	**154**
Station ID	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	***MW410-3***	**154-001-001**	**154-001-001**	**154-001-001**	**154-001-001**	**154-001-002**
Sample ID	***MW410-3 [4.0-4.5]***	***MW410-3 [5.5-6.0]***	***MW410-3 [6.0-6.5]***	***MW410-3 [8.5-9.0]***	***MW410-3 [9.0-9.5]***	**154-0001**	**154-0001M**	**154-0021**	**154-0021M**	**154-0002M**
Sample Type	***REG***	***REG***	***REG***	***REG***	***REG***	**REG**	**REG**	**REG**	**REG**	**REG**
Depth Interval (feet bgs)	***4–4.5***	***5.5–6***	***6–6.5***	***8.5–9***	***9–9.5***	**0.5–1**	**0.5–1**	**4–4.5**	**4–4.5**	**0.5–1**
Sample Date	***12-Jul-90***	***16-Jul-90***	***12-Jul-90***	***16-Jul-90***	***12-Jul-90***	**13-Jun-95**	**13-Jun-95**	**13-Jun-95**	**13-Jun-95**	**13-Jun-95**
Reference	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**
Metals (mg/kg) (cont.)										
lead	*5.3 U*		*5.9 U*		*6 U*	3	5	1.7	1.7	1.6
magnesium	*1,710*		*2,030*		*2,020*	2,290		2,260		
manganese	*84.2*		*80.4*		*79.5*	95.5		88.8		
mercury						0.16 UJ	0.11 U	0.15 UJ	0.1 U	0.1 U
molybdenum	*1.1 U*		*1.2 U*		*1.2 U*	2.1 U	1 U	2 U	1 U	1 U
nickel	*17.7*		*20.8*		*21.2*	20.9	18.5	22.8	20.4	18.2
potassium	*370*		*470*		*610*	593		613		
selenium	*4.5 U*		*4.9 U*		*5 U*	0.56 U	0.25 U	0.54 U	0.25 U	0.26 U
silver	*0.6 U*		*0.7 U*		*0.7 U*	0.19 U	0.51 U	0.19 U	0.51 U	0.51 U
sodium	*224*		*147*		*234*	764		403		
thallium	*2.8 U*		*3.1 U*		*3.1 U*	2	0.25 U	2.3	0.25 U	0.26 U
titanium	*252*		*358*		*324*					
vanadium	*14.6*		*17.3*		*16*	16.5	15.5	16.7	16.3	16.7
zinc	*20.2*		*21.4*		*24.8*	25.4	2,580	21.7	23	12.9

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	154-001-002	154-001-002	154-001-003	154-001-003	154-001-004	154-001-005	154-001-006	154-001-007	154-001-007	154-001-008	154-001-008	154-002-009
Sample ID	154-0022M	154-0028M	154-0003M	154-0023M	154-0004M	154-0005M	154-0006M	154-0007	154-0007M	154-0008M	154-0029M	154-0009
Sample Type	REG	FD	REG	REG	REG	REG	REG	REG	REG	REG	FD	REG
Depth Interval (feet bgs)	4–4.5	0.5–1	0.5–1	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	0.5–1
Sample Date	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	12-Jun-95	12-Jun-95	27-Jun-95	27-Jun-95	12-Jun-95	12-Jun-95	14-Jun-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg)												
acetone	21 U	21 U	110 U	43 U	21 U	20 U	21 U	10 U	21 U	20 U	21 U	10 U
benzene	5 U	5 U	27 U	11 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
bromobenzene												
bromochloromethane												
bromodichloromethane	5 U	5 U	27 U	11 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
bromoform	5 U	5 U	27 U	11 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
bromomethane	10 U	10 U	54 U	22 U	10 U	10 U	11 U	10 U	10 U	10 U	11 U	10 U
2-butanone	10 U	10 U	54 U	22 U	10 U	10 U	11 U	10 U	10 U	10 U	11 U	10 U
n-butylbenzene												
sec-butylbenzene												
tert-butylbenzene												
carbon disulfide	5 U	5 U	27 U	11 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
carbon tetrachloride	5 U	5 U	27 U	11 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
chlorobenzene	5 U	5 U	27 U	11 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
chlorodibromomethane	5 U	5 U	27 U	11 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
chloroethane	10 U	10 U	54 U	22 U	10 U	10 U	11 U	10 U	10 U	10 U	11 U	10 U
2-chloroethylvinyl ether												
chloroform	5 U	5 U	27 U	11 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
chloromethane	10 U	10 U	54 U	22 U	10 U	10 U	11 U	10 U	10 U	10 U	11 U	10 U
2-chlorotoluene												
4-chlorotoluene												
1,2-dibromo-3-chloropropane												
1,2-dibromoethane												
dibromomethane												
1,2-dichlorobenzene												
1,3-dichlorobenzene	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
1,4-dichlorobenzene	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
dichlorodifluoromethane												
1,1-dichloroethane	5 U	5 U	27 U	11 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
1,2-dichloroethane	5 U	5 U	27 U	11 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
1,1-dichloroethene	5 U	5 U	27 U	11 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
cis-1,2-dichloroethene	5 U	5 U	27 U	11 U	5 U	5 U	5 U		5 U	5 U	5 U	
trans-1,2-dichloroethene	5 U	5 U	27 U	11 U	5 U	5 U	5 U		5 U	5 U	5 U	
1,2-dichloroethene								10 U				10 U
1,2-dichloropropane	5 U	5 U	27 U	11 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
1,3-dichloropropane												
sec-dichloropropane												
1,1-dichloropropene												
cis-1,3-dichloropropene	5 U	5 U	27 U	11 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
trans-1,3-dichloropropene	5 U	5 U	27 U	11 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
ethylbenzene	5 U	5 U	27 U	11 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
hexachlorobutadiene												
n-hexane	5 U	5 U	27 U	11 U	5 U	5 U	5 U		5 U	5 U	5 U	
2-hexanone	10 U	10 U	54 U	22 U	10 U	10 U	11 U	10 U	10 U	10 U	11 U	10 U

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	154-001-002	154-001-002	154-001-003	154-001-003	154-001-004	154-001-005	154-001-006	154-001-007	154-001-007	154-001-008	154-001-008	154-002-009
Sample ID	154-0022M	154-0028M	154-0003M	154-0023M	154-0004M	154-0005M	154-0006M	154-0007	154-0007M	154-0008M	154-0029M	154-0009
Sample Type	REG	FD	REG	REG	REG	REG	REG	REG	REG	REG	FD	REG
Depth Interval (feet bgs)	4–4.5	0.5–1	0.5–1	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	0.5–1
Sample Date	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	12-Jun-95	12-Jun-95	27-Jun-95	27-Jun-95	12-Jun-95	12-Jun-95	14-Jun-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg) (cont.)												
isopropylbenzene												
p-isopropyltoluene												
methyl tert-butyl ether												
methylene chloride	21 U	21 U	110 U	43 U	21 U	20 U	21 U	10 U	21 U	20 U	21 U	10 U
4-methyl-2-pentanone	10 U	10 U	54 U	22 U	10 U	10 U	11 U	10 U	10 U	10 U	11 U	10 U
naphthalene												
n-propylbenzene												
styrene	5 U	5 U	27 U	11 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
1,1,1,2-tetrachloroethane												
1,1,2,2-tetrachloroethane	5 U	5 U	27 U	11 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
tetrachloroethene	5 U	5 U	16 J	14	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
toluene	5 U	5 U	27 U	11 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
1,2,3-trichlorobenzene												
1,2,4-trichlorobenzene	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
1,1,1-trichloroethane	5 U	5 U	270	190	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
1,1,2-trichloroethane	5 U	5 U	27 U	11 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
trichloroethene	5 U	5 U	27 U	11 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
trichlorofluoromethane	5 U	5 U	27 U	11 U	5 U	5 U	5 U		5 U	5 U	5 U	
1,2,3-trichloropropane												
1,2,4-trimethylbenzene												
1,3,5-trimethylbenzene												
vinyl acetate	52 U	52 U	270 U	110 U	52 U	51 U	53 U		52 U	51 U	53 U	
vinyl chloride	10 U	10 U	54 U	22 U	10 U	10 U	11 U	10 U	10 U	10 U	11 U	10 U
meta-,para-xylene	5 U	5 U	27 U	11 U	5 U	5 U	5 U		5 U	5 U	5 U	
m-, p-xylene												
o-xylene	5 U	5 U	27 U	11 U	5 U	5 U	5 U		5 U	5 U	5 U	
xylenes, total								10 U				10 U
Petroleum Hydrocarbons (µg/kg)												
diesel	1,000 U	1,000 U	23,000,000	19,000,000	1,000 U	1,000 U	1,000 U	10,000 U	1,000 U	1,000 U	1,000 U	10,000 U
gasoline	500 U	500 U	2,000	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
jet fuel #5 (JP5)												
JP-5												
motor oil	26,000 U	26,000 U	2,700,000 U	2,700,000 U	26,000 U	26,000 U	26,000 U	20,000 U	26,000 U	26,000 U	26,000 U	20,000 U
Semivolatile Organic Compounds (µg/kg)												
acenaphthene												
acenaphthylene												
aniline	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U		340 U	340 U	350 U	
anthracene												
benz(a)anthracene												
benzidine	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U		340 U	340 U	350 U	
benzo(b)fluoranthene												
benzo(k)fluoranthene												
benzoic acid												
benzo(g,h,i)perylene												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	154-001-002	154-001-002	154-001-003	154-001-003	154-001-004	154-001-005	154-001-006	154-001-007	154-001-007	154-001-008	154-001-008	154-002-009
Sample ID	154-0022M	154-0028M	154-0003M	154-0023M	154-0004M	154-0005M	154-0006M	154-0007	154-0007M	154-0008M	154-0029M	154-0009
Sample Type	REG	FD	REG	REG	REG	REG	REG	REG	REG	REG	FD	REG
Depth Interval (feet bgs)	4–4.5	0.5–1	0.5–1	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	0.5–1
Sample Date	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	12-Jun-95	12-Jun-95	27-Jun-95	27-Jun-95	12-Jun-95	12-Jun-95	14-Jun-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)												
benzo(a)pyrene												
benzyl alcohol	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U		340 U	340 U	350 U	
bis(2-chloroethoxy)methane	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
bis(2-chloroethyl)ether	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
bis(2-chloro-1-methylethyl)ether	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
bis(2-ethylhexyl)phthalate	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	22 J	340 U	340 U	350 U	28 J
4-bromophenyl phenyl ether	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
butyl benzyl phthalate	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
carbazole								340 U				330 U
4-chloroaniline	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
4-chloro-3-methylphenol	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
2-chloronaphthalene	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
2-chlorophenol	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
4-chlorophenyl phenyl ether	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
chrysene												
dibenz(a,h)anthracene												
di-n-butyl phthalate	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
dibenzofuran	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
1,2-dichlorobenzene	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
1,3-dichlorobenzene												
1,4-dichlorobenzene												
3,3'-dichlorobenzidine	1,700 U	1,700 U	9,100 U	18,000 U	1,700 U	1,700 U	1,800 U	340 U	1,700 U	1,700 U	1,800 U	330 U
2,4-dichlorophenol	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
diethyl phthalate	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
2,4-dimethylphenol	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
dimethyl phthalate	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
4,6-dinitro-2-methylphenol	1,700 U	1,700 U	9,100 U	18,000 U	1,700 U	1,700 U	1,800 U	820 U	1,700 U	1,700 U	1,800 U	810 U
2,4-dinitrophenol	1,700 U	1,700 U	9,100 U	18,000 U	1,700 U	1,700 U	1,800 U	820 U	1,700 U	1,700 U	1,800 U	810 U
2,4-dinitrotoluene	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
2,6-dinitrotoluene	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
di-n-octyl phthalate	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
1,2-diphenylhydrazine												
fluoranthene												
fluorene												
hexachlorobenzene	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
hexachlorobutadiene	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
hexachlorocyclopentadiene	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
hexachloroethane	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
indeno(1,2,3-cd)pyrene												
isophorone	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
2-methylnaphthalene												
2-methylphenol	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
4-methylphenol	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
naphthalene												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	154-001-002	154-001-002	154-001-003	154-001-003	154-001-004	154-001-005	154-001-006	154-001-007	154-001-007	154-001-008	154-001-008	154-002-009
Sample ID	154-0022M	154-0028M	154-0003M	154-0023M	154-0004M	154-0005M	154-0006M	154-0007	154-0007M	154-0008M	154-0029M	154-0009
Sample Type	REG	FD	REG	REG	REG	REG	REG	REG	REG	REG	FD	REG
Depth Interval (feet bgs)	4–4.5	0.5–1	0.5–1	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	0.5–1
Sample Date	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	12-Jun-95	12-Jun-95	27-Jun-95	27-Jun-95	12-Jun-95	12-Jun-95	14-Jun-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)												
2-nitroaniline	1,700 U	1,700 U	9,100 U	18,000 U	1,700 U	1,700 U	1,800 U	820 U	1,700 U	1,700 U	1,800 U	810 U
3-nitroaniline	1,700 U	1,700 U	9,100 U	18,000 U	1,700 U	1,700 U	1,800 U	820 U	1,700 U	1,700 U	1,800 U	810 U
4-nitroaniline	1,700 U	1700 U	9,100 U	18,000 U	1,700 U	1,700 U	1,800 U	820 U	1,700 U	1,700 U	1,800 U	810 U
nitrobenzene	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
4-nitrophenol	1,700 U	1,700 U	9,100 U	18,000 U	1,700 U	1,700 U	1,800 U	820 U	1,700 U	1,700 U	1,800 U	810 U
2-nitrophenol	1,700 U	1,700 U	9,100 U	18,000 U	1,700 U	1,700 U	1,800 U	340 U	1,700 U	1,700 U	1,800 U	330 U
N-nitrosodimethylamine	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U		340 U	340 U	350 U	
N-nitrosodiphenylamine	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
N-nitroso-di-n-propylamine	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
pentachlorophenol	1,700 U	1,700 U	9,100 U	18,000 U	1,700 U	1,700 U	1,800 U	820 U	1,700 U	1,700 U	1,800 U	810 U
phenanthrene												
phenol	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
pyrene												
1,2,4-trichlorobenzene												
2,4,5-trichlorophenol	1,700 U	1,700 U	9,100 U	18,000 U	1,700 U	1,700 U	1,800 U	820 U	1,700 U	1,700 U	1,800 U	810 U
2,4,6-trichlorophenol	350 U	350 U	1,800 U	3,600 U	350 U	340 U	350 U	340 U	340 U	340 U	350 U	330 U
Pesticides/Polychlorinated Biphenyls (µg/kg)												
aldrin												
Aroclor 1016												
Aroclor 1221												
Aroclor 1232												
Aroclor 1242												
Aroclor 1248												
Aroclor 1254												
Aroclor 1260												
alpha-BHC												
beta-BHC												
delta-BHC												
gamma-BHC (lindane)												
alpha-chlordane												
gamma-chlordane												
4,4´-DDD												
4,4´-DDE												
4,4´-DDT												
dieldrin												
endosulfan I												
endosulfan II												
endosulfan sulfate												
endrin												
endrin aldehyde												
endrin ketone												
heptachlor												
heptachlor epoxide												
methoxychlor												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	154-001-002	154-001-002	154-001-003	154-001-003	154-001-004	154-001-005	154-001-006	154-001-007	154-001-007	154-001-008	154-001-008	154-002-009
Sample ID	154-0022M	154-0028M	154-0003M	154-0023M	154-0004M	154-0005M	154-0006M	154-0007	154-0007M	154-0008M	154-0029M	154-0009
Sample Type	REG	FD	REG	REG	REG	REG	REG	REG	REG	REG	FD	REG
Depth Interval (feet bgs)	4–4.5	0.5–1	0.5–1	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	0.5–1
Sample Date	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	12-Jun-95	12-Jun-95	27-Jun-95	27-Jun-95	12-Jun-95	12-Jun-95	14-Jun-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Pesticides/Polychlorinated Biphenyls (µg/kg) (cont.)												
toxaphene												
Dioxins/Furans (µg/kg)												
heptachlorodibenzo-p-dioxins												
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin												
heptachlorodibenzofurans												
1,2,3,4,6,7,8-heptachlorodibenzofuran												
1,2,3,4,7,8,9-heptachlorodibenzofuran												
hexachlorodibenzo-p-dioxins												
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin												
hexachlorodibenzofurans												
1,2,3,4,7,8-hexachlorodibenzofuran												
1,2,3,6,7,8-hexachlorodibenzofuran												
1,2,3,7,8,9-hexachlorodibenzofuran												
2,3,4,6,7,8-hexachlorodibenzofuran												
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin												
1,2,3,4,6,7,8,9-octachlorodibenzofuran												
pentachlorodibenzo-p-dioxins												
1,2,3,7,8-pentachlorodibenzo-p-dioxin												
pentachlorodibenzofurans												
1,2,3,7,8-pentachlorodibenzofuran												
2,3,4,7,8-pentachlorodibenzofuran												
tetrachlorodibenzo-p-dioxins												
2,3,7,8-tetrachlorodibenzo-p-dioxin												
tetrachlorodibenzofurans												
2,3,7,8-tetrachlorodibenzofuran												
Organotins (µg/kg)												
dibutyltin												
monobutyltin												
tetrabutyltin												
tributyltin												
Metals (mg/kg)												
aluminum								3,490				3,470 J
antimony	3 U	3.1 U	3.2 U	3.1 U	3.1 U	3.1 U	3.1 U	1.3 UJ	3.1 U	3 U	3.2 U	1.3 UJ
arsenic	1.1	0.96	0.84	0.97	1.6	1	0.75	0.9	1.2	1.2	1.2	1.1
barium	22.5	22.1	25.4	24.1	21.3	11.7	17.8	29.8	26.8	36.1	24	25.2
beryllium	0.19	0.18	0.22	0.18	0.2	0.16	0.14	0.23	0.19	0.17	0.15	0.14 U
cadmium	0.33	0.29	3.7	0.6	0.98	0.23	0.19	0.06 U	0.16	0.31	0.23	0.06 U
calcium								2,070				2,000 J
chromium	32.8	30.3	29.9	28	29.9	21.1	19.2	22	22.5	23.9	15.5	23.8 J
cobalt	3.7	3.7	3.9	3.4	4	3.3	2.6	3.8	3.8	3.9	2.7	2.7
copper	6.9	6.2	11.5	5.7	11.7	5.1	3	4.8 UJ	19.4	8.1	5.1	6.6
iron								5,680 J				5,520

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**
Station ID	**154-001-002**	**154-001-002**	**154-001-003**	**154-001-003**	**154-001-004**	**154-001-005**	**154-001-006**	**154-001-007**	**154-001-007**	**154-001-008**	**154-001-008**	**154-002-009**
Sample ID	**154-0022M**	**154-0028M**	**154-0003M**	**154-0023M**	**154-0004M**	**154-0005M**	**154-0006M**	**154-0007**	**154-0007M**	**154-0008M**	**154-0029M**	**154-0009**
Sample Type	**REG**	**FD**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**FD**	**REG**
Depth Interval (feet bgs)	**4–4.5**	**0.5–1**	**0.5–1**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**0.5–1**
Sample Date	**13-Jun-95**	**13-Jun-95**	**13-Jun-95**	**13-Jun-95**	**13-Jun-95**	**12-Jun-95**	**12-Jun-95**	**27-Jun-95**	**27-Jun-95**	**12-Jun-95**	**12-Jun-95**	**14-Jun-95**
Reference	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**
Metals (mg/kg) (cont.)												
lead	1.6	1.5	7.3	2.3	1.5	1.4	1.2	1.5	1.5	2.4	1.4	1.2
magnesium								1,940				1,760
manganese								78.1				71.1
mercury	0.1 U	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U	0.15 U	0.1 U	0.1	0.11	0.15 U
molybdenum	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	2 U	1 U	0.99 U	1.1 U	2 U
nickel	16.6	17.8	15.7	15	17.4	15.7	11.7	20.6	20.6	15	10.7	17.4
potassium								526				544
selenium	0.25 U	0.26 U	0.27 U	0.26 U	0.26 U	0.26 U	0.26 U	0.53 U	0.26 U	0.25 U	0.26 U	0.53 U
silver	0.51 U	0.52 U	0.53 U	0.52 U	0.52 U	0.51 U	0.52 U	0.18 U	0.52 U	0.49 U	0.53 U	0.2
sodium								327				62.6
thallium	0.25 U	0.26 U	0.27 U	0.26 U	0.26 U	0.26 U	0.26 U	1.3	0.26 U	0.25 U	0.26 U	2.5
titanium												
vanadium	18.1	14.8	18.2	14.8	15.9	12.9	11.2	13.7	13.8	15	9.1	14.6
zinc	12.4	12.5	277	25.5	13.1	11.8	8.4	12.8	20.9	26	9.4	12.3

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	154-002-009	154-002-010	154-003-011	154-003-011	154-003-011	154-003-011	154-003-012	154-003-012	154-003-012	154-003-012	154-003-013	154-003-013
Sample ID	154-0009M	154-0010M	154-0011	154-0011M	154-0024	154-0024M	154-0012	154-0012M	154-0025	154-0025M	154-0013M	154-0026M
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0.5–1	4–4.5	0.5–1	0.5–1	4–4.5	4–4.5	0.5–1	0.5–1	4–4.5	4–4.5	0.5–1	4–4.5
Sample Date	14-Jun-95	19-Jun-95	14-Jun-95	14-Jun-95	14-Jun-95	14-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	14-Jun-95	14-Jun-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg)												
acetone	21 U	21 U	10 U	21 U	11 U	22 U	11 U	21 U	10 U	21 U	21 U	21 U
benzene	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
bromobenzene												
bromochloromethane												
bromodichloromethane	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
bromoform	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
bromomethane	10 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U	10 U	11 U	11 U	11 U
2-butanone	10 U	10 U	10 U	10 U	2 J	11 U	11 U	11 U	10 U	11 U	11 U	11 U
n-butylbenzene												
sec-butylbenzene												
tert-butylbenzene												
carbon disulfide	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
carbon tetrachloride	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
chlorobenzene	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
chlorodibromomethane	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
chloroethane	10 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U	10 U	11 U	11 U	11 U
2-chloroethylvinyl ether												
chloroform	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
chloromethane	10 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U	10 U	11 U	11 U	11 U
2-chlorotoluene												
4-chlorotoluene												
1,2-dibromo-3-chloropropane												
1,2-dibromoethane												
dibromomethane												
1,2-dichlorobenzene												
1,3-dichlorobenzene	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
1,4-dichlorobenzene	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
dichlorodifluoromethane												
1,1-dichloroethane	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
1,2-dichloroethane	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
1,1-dichloroethene	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
cis-1,2-dichloroethene	5 U	5 U		5 U		5 U		5 U		5 U	5 U	5 U
trans-1,2-dichloroethene	5 U	5 U		5 U		5 U		5 U		5 U	5 U	5 U
1,2-dichloroethene			10 U		11 U		11 U		10 U			
1,2-dichloropropane	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
1,3-dichloropropane												
sec-dichloropropane												
1,1-dichloropropene												
cis-1,3-dichloropropene	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
trans-1,3-dichloropropene	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
ethylbenzene	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
hexachlorobutadiene												
n-hexane	5 U	5 U		5 U		5 U		5 U		5 U	5 U	5 U
2-hexanone	5 U	10 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	154-002-009	154-002-010	154-003-011	154-003-011	154-003-011	154-003-011	154-003-012	154-003-012	154-003-012	154-003-012	154-003-013	154-003-013
Sample ID	154-0009M	154-0010M	154-0011	154-0011M	154-0024	154-0024M	154-0012	154-0012M	154-0025	154-0025M	154-0013M	154-0026M
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0.5–1	4–4.5	0.5–1	0.5–1	4–4.5	4–4.5	0.5–1	0.5–1	4–4.5	4–4.5	0.5–1	4–4.5
Sample Date	14-Jun-95	19-Jun-95	14-Jun-95	14-Jun-95	14-Jun-95	14-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	14-Jun-95	14-Jun-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg) (cont.)												
isopropylbenzene												
p-isopropyltoluene												
methyl tert-butyl ether												
methylene chloride	21 U	21 U	10 U	21 U	11 U	22 U	11 U	21 U	10 U	21 U	21 U	21 U
4-methyl-2-pentanone	10 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U	10 U	11 U	11 U	11 U
naphthalene												
n-propylbenzene												
styrene	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
1,1,1,2-tetrachloroethane												
1,1,2,2-tetrachloroethane	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
tetrachloroethene	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
toluene	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
1,2,3-trichlorobenzene												
1,2,4-trichlorobenzene	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
1,1,1-trichloroethane	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
1,1,2-trichloroethane	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
trichloroethene	5 U	5 U	10 U	5 U	11 U	5 U	11 U	5 U	10 U	5 U	5 U	5 U
trichlorofluoromethane	5 U	5 U		5 U		5 U		5 U		5 U	5 U	5 U
1,2,3-trichloropropane												
1,2,4-trimethylbenzene												
1,3,5-trimethylbenzene												
vinyl acetate	52 U	53 U		52 U		54 U		53 U		53 U	53 U	53 U
vinyl chloride	10 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U	10 U	11 U	11 U	11 U
meta-,para-xylene	5 U	5 U		5 U		5 U		5 U		5 U	5 U	5 U
m-, p-xylene												
o-xylene	5 U	5 U		5 U		5 U		5 U		5 U	5 U	5 U
xylenes, total			10 U		11 U		11 U		10 U			
Petroleum Hydrocarbons (µg/kg)												
diesel	1,000 U	1,000 U	10,000 U	1,000 U	11,000 U	1,000 U	10,000 U	1,000 U	10,000 U	1,000 U	1,000 U	1,000 U
gasoline	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
jet fuel #5 (JP5)												
JP-5												
motor oil	26,000 U	26,000 U	21,000 U	26,000 U	21,000 U	27,000 U	21,000 U	27,000 U	27,000 J	26,000 U	27,000 U	26,000 U
Semivolatile Organic Compounds (µg/kg)												
acenaphthene												
acenaphthylene												
aniline	350 U	350 U		350 U		360 U		350 U		350 U	350 U	350 U
anthracene												
benz(a)anthracene												
benzidine	350 U	350 U		350 U		360 U		350 U		350 U	350 U	350 U
benzo(b)fluoranthene												
benzo(k)fluoranthene												
benzoic acid												
benzo(g,h,i)perylene												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	154-002-009	154-002-010	154-003-011	154-003-011	154-003-011	154-003-011	154-003-012	154-003-012	154-003-012	154-003-012	154-003-013	154-003-013
Sample ID	154-0009M	154-0010M	154-0011	154-0011M	154-0024	154-0024M	154-0012	154-0012M	154-0025	154-0025M	154-0013M	154-0026M
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0.5–1	4–4.5	0.5–1	0.5–1	4–4.5	4–4.5	0.5–1	0.5–1	4–4.5	4–4.5	0.5–1	4–4.5
Sample Date	14-Jun-95	19-Jun-95	14-Jun-95	14-Jun-95	14-Jun-95	14-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	14-Jun-95	14-Jun-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)												
benzo(a)pyrene												
benzyl alcohol	350 U	350 U		350 U		360 U		350 U		350 U	350 U	350 U
bis(2-chloroethoxy)methane	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
bis(2-chloroethyl)ether	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
bis(2-chloro-1-methylethyl)ether	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
bis(2-ethylhexyl)phthalate	350 U	350 U	38 J	350 U	35 J	360 U	350 U	350 U	26 J	350 U	350 U	350 U
4-bromophenyl phenyl ether	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
butyl benzyl phthalate	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
carbazole			340 U		350 U		350 U		340 U			
4-chloroaniline	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
4-chloro-3-methylphenol	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
2-chloronaphthalene	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
2-chlorophenol	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
4-chlorophenyl phenyl ether	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
chrysene												
dibenz(a,h)anthracene												
di-n-butyl phthalate	350 U	350 U	340 U	350 U	97 J	360 U	190 J	350 U	340 U	350 U	350 U	350 U
dibenzofuran	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
1,2-dichlorobenzene	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
1,3-dichlorobenzene												
1,4-dichlorobenzene												
3,3'-dichlorobenzidine	1,700 U	1,800 U	340 U	1,700 U	350 U	1,800 U	350 U	1,800 U	340 U	1,800 U	1,800 U	1,800 U
2,4-dichlorophenol	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
diethyl phthalate	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
2,4-dimethylphenol	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
dimethyl phthalate	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
4,6-dinitro-2-methylphenol	1,700 U	1,800 U	830 U	1,700 U	850 U	1,800 U	840 U	1,800 U	830 U	1,800 U	1,800 U	1,800 U
2,4-dinitrophenol	1,700 U	1,800 U	830 U	1,700 U	850 U	1,800 U	840 U	1,800 U	830 U	1,800 U	1,800 U	1,800 U
2,4-dinitrotoluene	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
2,6-dinitrotoluene	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
di-n-octyl phthalate	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
1,2-diphenylhydrazine												
fluoranthene												
fluorene												
hexachlorobenzene	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
hexachlorobutadiene	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
hexachlorocyclopentadiene	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
hexachloroethane	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
indeno(1,2,3-cd)pyrene												
isophorone	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
2-methylnaphthalene												
2-methylphenol	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
4-methylphenol	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
naphthalene												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	154-002-009	154-002-010	154-003-011	154-003-011	154-003-011	154-003-011	154-003-012	154-003-012	154-003-012	154-003-012	154-003-013	154-003-013
Sample ID	154-0009M	154-0010M	154-0011	154-0011M	154-0024	154-0024M	154-0012	154-0012M	154-0025	154-0025M	154-0013M	154-0026M
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0.5–1	4–4.5	0.5–1	0.5–1	4–4.5	4–4.5	0.5–1	0.5–1	4–4.5	4–4.5	0.5–1	4–4.5
Sample Date	14-Jun-95	19-Jun-95	14-Jun-95	14-Jun-95	14-Jun-95	14-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	14-Jun-95	14-Jun-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)												
2-nitroaniline	1,700 U	1,800 U	830 U	1,700 U	850 U	1,800 U	840 U	1,800 U	830 U	1,800 U	1,800 U	1,800 U
3-nitroaniline	1,700 U	1,800 U	830 U	1,700 U	850 U	1,800 U	840 U	1,800 U	830 U	1,800 U	1,800 U	1,800 U
4-nitroaniline	1,700 U	1,800 U	830 U	1,700 U	850 U	1,800 U	840 U	1,800 U	830 U	1,800 U	1,800 U	1,800 U
nitrobenzene	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
4-nitrophenol	1,700 U	1,800 U	830 U	1,700 U	850 U	1,800 U	840 U	1,800 U	830 U	1,800 U	1,800 U	1,800 U
2-nitrophenol	1,700 U	1,800 U	340 U	1,700 U	350 U	1,800 U	350 U	1,800 U	340 U	1,800 U	1,800 U	1,800 U
N-nitrosodimethylamine	350 U	350 U		350 U		360 U		350 U		350 U	350 U	350 U
N-nitrosodiphenylamine	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
N-nitroso-di-n-propylamine	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
pentachlorophenol	1,700 U	1,800 U	830 U	1,700 U	850 U	1,800 U	840 U	1,800 U	830 U	1,800 U	1,800 U	1,800 U
phenanthrene												
phenol	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
pyrene												
1,2,4-trichlorobenzene												
2,4,5-trichlorophenol	1,700 U	1,800 U	830 U	1,700 U	850 U	1,800 U	840 U	1,800 U	830 U	1,800 U	1,800 U	1,800 U
2,4,6-trichlorophenol	350 U	350 U	340 U	350 U	350 U	360 U	350 U	350 U	340 U	350 U	350 U	350 U
Pesticides/Polychlorinated Biphenyls (µg/kg)												
aldrin												
Aroclor 1016												
Aroclor 1221												
Aroclor 1232												
Aroclor 1242												
Aroclor 1248												
Aroclor 1254												
Aroclor 1260												
alpha-BHC												
beta-BHC												
delta-BHC												
gamma-BHC (lindane)												
alpha-chlordane												
gamma-chlordane												
4,4´-DDD												
4,4´-DDE												
4,4´-DDT												
dieldrin												
endosulfan I												
endosulfan II												
endosulfan sulfate												
endrin												
endrin aldehyde												
endrin ketone												
heptachlor												
heptachlor epoxide												
methoxychlor												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	154-002-009	154-002-010	154-003-011	154-003-011	154-003-011	154-003-011	154-003-012	154-003-012	154-003-012	154-003-012	154-003-013	154-003-013
Sample ID	154-0009M	154-0010M	154-0011	154-0011M	154-0024	154-0024M	154-0012	154-0012M	154-0025	154-0025M	154-0013M	154-0026M
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0.5–1	4–4.5	0.5–1	0.5–1	4–4.5	4–4.5	0.5–1	0.5–1	4–4.5	4–4.5	0.5–1	4–4.5
Sample Date	14-Jun-95	19-Jun-95	14-Jun-95	14-Jun-95	14-Jun-95	14-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	14-Jun-95	14-Jun-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Pesticides/Polychlorinated Biphenyls (µg/kg) (cont.)												
toxaphene												
Dioxins/Furans (µg/kg)												
heptachlorodibenzo-p-dioxins												
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin												
heptachlorodibenzofurans												
1,2,3,4,6,7,8-heptachlorodibenzofuran												
1,2,3,4,7,8,9-heptachlorodibenzofuran												
hexachlorodibenzo-p-dioxins												
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin												
hexachlorodibenzofurans												
1,2,3,4,7,8-hexachlorodibenzofuran												
1,2,3,6,7,8-hexachlorodibenzofuran												
1,2,3,7,8,9-hexachlorodibenzofuran												
2,3,4,6,7,8-hexachlorodibenzofuran												
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin												
1,2,3,4,6,7,8,9-octachlorodibenzofuran												
pentachlorodibenzo-p-dioxins												
1,2,3,7,8-pentachlorodibenzo-p-dioxin												
pentachlorodibenzofurans												
1,2,3,7,8-pentachlorodibenzofuran												
2,3,4,7,8-pentachlorodibenzofuran												
tetrachlorodibenzo-p-dioxins												
2,3,7,8-tetrachlorodibenzo-p-dioxin												
tetrachlorodibenzofurans												
2,3,7,8-tetrachlorodibenzofuran												
Organotins (µg/kg)												
dibutyltin												
monobutyltin												
tetrabutyltin												
tributyltin												
Metals (mg/kg)												
aluminum			3,500 J		3,790 J		4,120 J		3,350 J			
antimony	3 U	3.2 U	1.3 UJ	3.1 U	1.4 UJ	3.2 U	1.3 UJ	3.1 U	1.3 UJ	3.1 U	3.2 U	3.1 U
arsenic	1.1	1.2	1.4	1.2	1	1.2	0.91	1.2	1.5	1.1	1	1.2
barium	25.3	17.9	24.7	17	24.7	47	35.8	40.7	61.2	87.6	32.4	19.7
beryllium	0.19	0.21	0.15 U	0.16	0.18	0.22	0.25	0.25	0.15 U	0.2	0.18	0.17
cadmium	0.3	0.12	0.06 U	0.2	0.06 U	0.3	0.67	0.35	0.06 U	0.25	0.25	0.21
calcium			19,900 J		2,250 J		3,060 J		7,360 J			
chromium	24.6	24.1	23.5 J	19.3	24.8	25.7	26.5 J	28.8	22.6 J	26.5	22.9	20.1
cobalt	3.8	3.9	3.3	3.2	3.7	4.4	4.1	4.5	2.7	3.7	3.6	3.5
copper	5	4.7	8.2	7	9.5	8.9	12.2	8.9	10	4.2	6.4	5.5
iron			5,930		6,440		7,150		5,760			

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**
Station ID	**154-002-009**	**154-002-010**	**154-003-011**	**154-003-011**	**154-003-011**	**154-003-011**	**154-003-012**	**154-003-012**	**154-003-012**	**154-003-012**	**154-003-013**	**154-003-013**
Sample ID	**154-0009M**	**154-0010M**	**154-0011**	**154-0011M**	**154-0024**	**154-0024M**	**154-0012**	**154-0012M**	**154-0025**	**154-0025M**	**154-0013M**	**154-0026M**
Sample Type	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
Depth Interval (feet bgs)	**0.5–1**	**4–4.5**	**0.5–1**	**0.5–1**	**4–4.5**	**4–4.5**	**0.5–1**	**0.5–1**	**4–4.5**	**4–4.5**	**0.5–1**	**4–4.5**
Sample Date	**14-Jun-95**	**19-Jun-95**	**14-Jun-95**	**14-Jun-95**	**14-Jun-95**	**14-Jun-95**	**13-Jun-95**	**13-Jun-95**	**13-Jun-95**	**13-Jun-95**	**14-Jun-95**	**14-Jun-95**
Reference	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**
Metals (mg/kg) (cont.)												
lead	1.4	1.5	1.5	1.3	1.4	2.3	4.5	3.9	1.4	1.8	1.9	1.4
magnesium			1,940		2,010		2,180		1,760			
manganese			87.6		82.6		111		86.2			
mercury	0.12	0.22	0.16 U	0.1 U	0.16 U	0.14	0.16 U	0.11 U	0.16 U	0.11 U	0.11 U	0.11 U
molybdenum	1 U	1.1 U	2 U	1 U	2.1 U	1.1 U	2.1 U	1 U	2 U	1 U	1.1 U	1 U
nickel	17.2	21.2	19.3	14.2	21.2	20.8	23.1	21.9	17.3	17	16.2	15.5
potassium			556		592		600		406			
selenium	0.25 U	0.26 U	0.54 U	0.26 U	0.55 U	0.27 U	0.55 U	0.26 U	0.54 U	0.26 U	0.26 U	0.26 U
silver	0.5 U	0.53 U	0.19 U	0.51 U	0.19 U	0.54 U	0.19 U	0.52 U	0.19 U	0.52 U	0.53 U	0.52 U
sodium			231		83.6		86.9		101			
thallium	0.25 U	0.26 U	2	0.26 U	2.4	0.27 U	2.3	0.26 U	2.4	0.26 U	0.26 U	0.37
titanium												
vanadium	13.7	15.3	14.1	11.8	16.7	16.2	18.7	20.4	16.3	17.9	13.6	12.7
zinc	11.4	12.4	16	11.3	17.5	16.9	22.5	17.4	18.1	10.5	12.5	11.7

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	154-003-014	154-003-014	154-004-015	154-004-016	154-004-017	154-004-018	154-004-018	154-006-021	154-006-021	154-006-022	154-006-023	154-SN-002
Sample ID	154-0014M	154-0027M	154-0015M	154-0016M	154-0017M	154-0018	154-0018M	154-0030	154-0039	154-0032	154-0034	154S-002M
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG	REG
Depth Interval (feet bgs)	0.5–1	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	6.5–7	6.5–7	7–7.5	4.5–5	5–5.5
Sample Date	14-Jun-95	14-Jun-95	14-Jun-95	28-Jun-95	14-Jun-95	14-Jun-95	14-Jun-95	30-Oct-95	30-Oct-95	30-Oct-95	30-Oct-95	17-Jan-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg)												
acetone	21 U	21 U	21 U	160	22 U	11 U	23 U	16 U	21 J	30 U	17 U	
benzene	5 U	5 U	5 U	3.5 J	5 U	11 U	6 U	11 U	11 U	11 U	11 U	10 U
bromobenzene												
bromochloromethane												
bromodichloromethane	5 U	5 U	5 U	5.5 U	5 U	11 U	6 U	11 U	11 U	11 U	11 U	
bromoform	5 U	5 U	5 U	5.5 U	5 U	11 U	6 U	11 U	11 U	11 U	11 U	
bromomethane	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	
2-butanone	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	10 U
n-butylbenzene												
sec-butylbenzene												
tert-butylbenzene												
carbon disulfide	5 U	5 U	5 U	5.5 U	5 U	11 U	6 U	11 U	11 U	11 U	11 U	
carbon tetrachloride	5 U	5 U	5 U	5.5 U	5 U	11 U	6 U	11 U	11 U	11 U	11 U	
chlorobenzene	5 U	5 U	5 U	5.5 U	5 U	11 U	6 U	11 U	11 U	11 U	11 U	
chlorodibromomethane	5 U	5 U	5 U	5.5 U	5 U	11 U	6 U	11 U	11 U	11 U	11 U	
chloroethane	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	
2-chloroethylvinyl ether												
chloroform	5 U	5 U	5 U	5.5 U	5 U	11 U	6 U	11 U	11 U	11 U	11 U	
chloromethane	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	
2-chlorotoluene												
4-chlorotoluene												
1,2-dibromo-3-chloropropane												
1,2-dibromoethane												
dibromomethane												
1,2-dichlorobenzene												
1,3-dichlorobenzene	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
1,4-dichlorobenzene	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
dichlorodifluoromethane												
1,1-dichloroethane	5 U	5 U	5 U	5.5 U	5 U	11 U	6 U	11 U	11 U	11 U	11 U	
1,2-dichloroethane	5 U	5 U	5 U	5.5 U	5 U	11 U	6 U	11 U	11 U	11 U	11 U	10 U
1,1-dichloroethene	5 U	5 U	5 U	5.5 U	5 U	11 U	6 U	11 U	11 U	11 U	11 U	10 U
cis-1,2-dichloroethene	5 U	5 U	5 U	5.5 U	5 U		6 U					10 U
trans-1,2-dichloroethene	5 U	5 U	5 U	5.5 U	5 U		6 U					10 U
1,2-dichloroethene						11 U		11 U	11 U	11 U	11 U	
1,2-dichloropropane	5 U	5 U	5 U	5.5 U	5 U	11 U	6 U	11 U	11 U	11 U	11 U	
1,3-dichloropropane												
sec-dichloropropane												
1,1-dichloropropene												
cis-1,3-dichloropropene	5 U	5 U	5 U	5.5 U	5 U	11 U	6 U	11 U	11 U	11 U	11 U	
trans-1,3-dichloropropene	5 U	5 U	5 U	5.5 U	5 U	11 U	6 U	11 U	11 U	11 U	11 U	
ethylbenzene	5 U	5 U	5 U	36	5 U	11 U	6 U	11 U	11 U	11 U	11 U	10 U
hexachlorobutadiene												
n-hexane	5 U	5 U	5 U	5.5 U	5 U		6 U					20 U
2-hexanone	5 U	5 U	5 U	11 U	5 U	11 U	6 U	11 U	11 U	11 U	11 U	

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	154-003-014	154-003-014	154-004-015	154-004-016	154-004-017	154-004-018	154-004-018	154-006-021	154-006-021	154-006-022	154-006-023	154-SN-002
Sample ID	154-0014M	154-0027M	154-0015M	154-0016M	154-0017M	154-0018	154-0018M	154-0030	154-0039	154-0032	154-0034	154S-002M
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG	REG
Depth Interval (feet bgs)	0.5–1	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	6.5–7	6.5–7	7–7.5	4.5–5	5–5.5
Sample Date	14-Jun-95	14-Jun-95	14-Jun-95	28-Jun-95	14-Jun-95	14-Jun-95	14-Jun-95	30-Oct-95	30-Oct-95	30-Oct-95	30-Oct-95	17-Jan-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg) (cont.)												
isopropylbenzene												
p-isopropyltoluene												
methyl tert-butyl ether												
methylene chloride	21 U	21 U	21 U	22 U	22 U	11 U	23 U	11 U	11 U	11 U	11 U	10 U
4-methyl-2-pentanone	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	
naphthalene												
n-propylbenzene												
styrene	5 U	5 U	5 U	5.5 U	5 U	11 U	6 U	11 U	11 U	11 U	11 U	
1,1,1,2-tetrachloroethane												
1,1,2,2-tetrachloroethane	5 U	5 U	5 U	5.5 U	5 U	11 U	6 U	11 U	11 U	11 U	11 U	
tetrachloroethene	5 U	5 U	5 U	5.5 U	5 U	11 U	6 U	11 U	11 U	11 U	11 U	10 U
toluene	5 U	5 U	5 U	5.5 U	5 U	11 U	6 U	11 U	11 U	11 U	11 U	10 U
1,2,3-trichlorobenzene												
1,2,4-trichlorobenzene	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
1,1,1-trichloroethane	5 U	5 U	5 U	5.5 U	5 U	11 U	6 U	11 U	11 U	11 U	11 U	10 U
1,1,2-trichloroethane	5 U	5 U	5 U	5.5 U	5 U	11 U	6 U	11 U	11 U	11 U	11 U	
trichloroethene	5 U	5 U	5 U	5.5 U	5 U	11 U	6 U	11 U	11 U	11 U	11 U	10 U
trichlorofluoromethane	5 U	5 U	5 U	5.5 U	5 U		6 U					
1,2,3-trichloropropane												
1,2,4-trimethylbenzene												
1,3,5-trimethylbenzene												
vinyl acetate	53 U	53 U	53 U	55 U	55 U		57 U					
vinyl chloride	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	10 U
meta-,para-xylene	5 U	5 U	5 U	5.5 U	5 U		6 U					20 U
m-, p-xylene												
o-xylene	5 U	5 U	5 U	5.5 U	5 U		6 U					10 U
xylenes, total						11 U		11 U	11 U	11 U	11 U	
Petroleum Hydrocarbons (µg/kg)												
diesel	1,000 U	1,000 U	1,000 U	1,100 U	1,000 U	11,000 U	1,000 U					50,000 U
gasoline	500 U	500 U	500 U	550 U	500 U	500 U	600 U	560 UJ	530 UJ	530 UJ	520 UJ	50,000 U
jet fuel #5 (JP5)												
JP-5												
motor oil	27,000 U	27,000 U	26,000 U	27,000 U	27,000 U	22,000 U	29,000 U					
Semivolatile Organic Compounds (µg/kg)												
acenaphthene												
acenaphthylene												
aniline	350 U	350 U	350 U	1,800 U	370 U		380 U					
anthracene												
benz(a)anthracene												
benzidine	350 U	350 U	350 U	1,800 U	370 U		380 U					
benzo(b)fluoranthene												
benzo(k)fluoranthene												
benzoic acid												
benzo(g,h,i)perylene												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	154-003-014	154-003-014	154-004-015	154-004-016	154-004-017	154-004-018	154-004-018	154-006-021	154-006-021	154-006-022	154-006-023	154-SN-002
Sample ID	154-0014M	154-0027M	154-0015M	154-0016M	154-0017M	154-0018	154-0018M	154-0030	154-0039	154-0032	154-0034	154S-002M
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG	REG
Depth Interval (feet bgs)	0.5–1	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	6.5–7	6.5–7	7–7.5	4.5–5	5–5.5
Sample Date	14-Jun-95	14-Jun-95	14-Jun-95	28-Jun-95	14-Jun-95	14-Jun-95	14-Jun-95	30-Oct-95	30-Oct-95	30-Oct-95	30-Oct-95	17-Jan-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)												
benzo(a)pyrene												
benzyl alcohol	350 U	350 U	350 U	1,800 U	370 U		380 U					
bis(2-chloroethoxy)methane	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
bis(2-chloroethyl)ether	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
bis(2-chloro-1-methylethyl)ether	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
bis(2-ethylhexyl)phthalate	350 U	350 U	350 U	1,800 U	370 U	31 J	380 U					
4-bromophenyl phenyl ether	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
butyl benzyl phthalate	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
carbazole						350 U						
4-chloroaniline	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
4-chloro-3-methylphenol	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
2-chloronaphthalene	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
2-chlorophenol	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
4-chlorophenyl phenyl ether	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
chrysene												
dibenz(a,h)anthracene												
di-n-butyl phthalate	350 U	350 U	350 U	1,800 U	370 U	37 J	380 U					
dibenzofuran	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
1,2-dichlorobenzene	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
1,3-dichlorobenzene												
1,4-dichlorobenzene												
3,3'-dichlorobenzidine	1,800 U	1,800 U	1,800 U	9,200 U	1,800 U	350 U	1900 U					
2,4-dichlorophenol	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
diethyl phthalate	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
2,4-dimethylphenol	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
dimethyl phthalate	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
4,6-dinitro-2-methylphenol	1,800 U	1,800 U	1,800 U	9,200 U	1,800 U	860 U	1,900 U					
2,4-dinitrophenol	1,800 U	1,800 U	1,800 U	9,200 U	1,800 U	860 U	1,900 U					
2,4-dinitrotoluene	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
2,6-dinitrotoluene	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
di-n-octyl phthalate	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
1,2-diphenylhydrazine												
fluoranthene												
fluorene												
hexachlorobenzene	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
hexachlorobutadiene	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
hexachlorocyclopentadiene	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
hexachloroethane	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
indeno(1,2,3-cd)pyrene												
isophorone	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
2-methylnaphthalene												
2-methylphenol	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
4-methylphenol	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
naphthalene												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	154-003-014	154-003-014	154-004-015	154-004-016	154-004-017	154-004-018	154-004-018	154-006-021	154-006-021	154-006-022	154-006-023	154-SN-002
Sample ID	154-0014M	154-0027M	154-0015M	154-0016M	154-0017M	154-0018	154-0018M	154-0030	154-0039	154-0032	154-0034	154S-002M
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG	REG
Depth Interval (feet bgs)	0.5–1	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	6.5–7	6.5–7	7–7.5	4.5–5	5–5.5
Sample Date	14-Jun-95	14-Jun-95	14-Jun-95	28-Jun-95	14-Jun-95	14-Jun-95	14-Jun-95	30-Oct-95	30-Oct-95	30-Oct-95	30-Oct-95	17-Jan-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)												
2-nitroaniline	1,800 U	1,800 U	1,800 U	9,200 U	1,800 U	860 U	1,900 U					
3-nitroaniline	1,800 U	1,800 U	1,800 U	9,200 U	1,800 U	860 U	1,900 U					
4-nitroaniline	1,800 U	1,800 U	1,800 U	9,200 U	1,800 U	860 U	1,900 U					
nitrobenzene	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
4-nitrophenol	1,800 U	1,800 U	1,800 U	9,200 U	1,800 U	860 U	1,900 U					
2-nitrophenol	1,800 U	1,800 U	1,800 U	9,200 U	1,800 U	350 U	1900 U					
N-nitrosodimethylamine	350 U	350 U	350 U	1,800 U	370 U		380 U					
N-nitrosodiphenylamine	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
N-nitroso-di-n-propylamine	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
pentachlorophenol	1,800 U	1,800 U	1,800 U	9,200 U	1,800 U	860 U	1,900 U					
phenanthrene												
phenol	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
pyrene												
1,2,4-trichlorobenzene												
2,4,5-trichlorophenol	1,800 U	1,800 U	1,800 U	9,200 U	1,800 U	860 U	1,900 U					
2,4,6-trichlorophenol	350 U	350 U	350 U	1,800 U	370 U	350 U	380 U					
Pesticides/Polychlorinated Biphenyls (µg/kg)												
aldrin												
Aroclor 1016												
Aroclor 1221												
Aroclor 1232												
Aroclor 1242												
Aroclor 1248												
Aroclor 1254												
Aroclor 1260												
alpha-BHC												
beta-BHC												
delta-BHC												
gamma-BHC (lindane)												
alpha-chlordane												
gamma-chlordane												
4,4´-DDD												
4,4´-DDE												
4,4´-DDT												
dieldrin												
endosulfan I												
endosulfan II												
endosulfan sulfate												
endrin												
endrin aldehyde												
endrin ketone												
heptachlor												
heptachlor epoxide												
methoxychlor												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	154-003-014	154-003-014	154-004-015	154-004-016	154-004-017	154-004-018	154-004-018	154-006-021	154-006-021	154-006-022	154-006-023	154-SN-002
Sample ID	154-0014M	154-0027M	154-0015M	154-0016M	154-0017M	154-0018	154-0018M	154-0030	154-0039	154-0032	154-0034	154S-002M
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG	REG
Depth Interval (feet bgs)	0.5–1	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	4–4.5	6.5–7	6.5–7	7–7.5	4.5–5	5–5.5
Sample Date	14-Jun-95	14-Jun-95	14-Jun-95	28-Jun-95	14-Jun-95	14-Jun-95	14-Jun-95	30-Oct-95	30-Oct-95	30-Oct-95	30-Oct-95	17-Jan-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Pesticides/Polychlorinated Biphenyls (µg/kg) (cont.)												
toxaphene												
Dioxins/Furans (µg/kg)												
heptachlorodibenzo-p-dioxins												
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin												
heptachlorodibenzofurans												
1,2,3,4,6,7,8-heptachlorodibenzofuran												
1,2,3,4,7,8,9-heptachlorodibenzofuran												
hexachlorodibenzo-p-dioxins												
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin												
hexachlorodibenzofurans												
1,2,3,4,7,8-hexachlorodibenzofuran												
1,2,3,6,7,8-hexachlorodibenzofuran												
1,2,3,7,8,9-hexachlorodibenzofuran												
2,3,4,6,7,8-hexachlorodibenzofuran												
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin												
1,2,3,4,6,7,8,9-octachlorodibenzofuran												
pentachlorodibenzo-p-dioxins												
1,2,3,7,8-pentachlorodibenzo-p-dioxin												
pentachlorodibenzofurans												
1,2,3,7,8-pentachlorodibenzofuran												
2,3,4,7,8-pentachlorodibenzofuran												
tetrachlorodibenzo-p-dioxins												
2,3,7,8-tetrachlorodibenzo-p-dioxin												
tetrachlorodibenzofurans												
2,3,7,8-tetrachlorodibenzofuran												
Organotins (µg/kg)												
dibutyltin												
monobutyltin												
tetrabutyltin												
tributyltin												
Metals (mg/kg)												
aluminum						3,660 J						
antimony	3.1 U	3.1 U	3.2 U	3.3 U	3.2 U	1.4 UJ	3.3 U					25 U
arsenic	1.2	1.1	1	1.4	1.1	1.1	1.6					
barium	26	18.1	32.5	34	21.5	15.1	18					
beryllium	0.19	0.19	0.2	0.21	0.2	0.15 U	0.23					25 U
cadmium	0.25	0.25	0.25	0.3	0.25	0.06 U	0.31					25 U
calcium						2,200 J						
chromium	22.7	23.8	25.8	26	23.4	23.4 J	32.5					25 U
cobalt	3.8	3.8	3.8	4.3	4	2.9	4.4					
copper	6.6	8	4.9	7.4	11	7.9	11					25 U
iron						6,270						

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**
Station ID	**154-003-014**	**154-003-014**	**154-004-015**	**154-004-016**	**154-004-017**	**154-004-018**	**154-004-018**	**154-006-021**	**154-006-021**	**154-006-022**	**154-006-023**	**154-SN-002**
Sample ID	**154-0014M**	**154-0027M**	**154-0015M**	**154-0016M**	**154-0017M**	**154-0018**	**154-0018M**	**154-0030**	**154-0039**	**154-0032**	**154-0034**	**154S-002M**
Sample Type	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**FD**	**REG**	**REG**	**REG**
Depth Interval (feet bgs)	**0.5–1**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**4–4.5**	**6.5–7**	**6.5–7**	**7–7.5**	**4.5–5**	**5–5.5**
Sample Date	**14-Jun-95**	**14-Jun-95**	**14-Jun-95**	**28-Jun-95**	**14-Jun-95**	**14-Jun-95**	**14-Jun-95**	**30-Oct-95**	**30-Oct-95**	**30-Oct-95**	**30-Oct-95**	**17-Jan-95**
Reference	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**
Metals (mg/kg) (cont.)												
lead	2.3	1.4	1.5	1.9	1.6	2.1	1.9					25 U
magnesium						1,930						
manganese						85.8						
mercury	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.16 U	0.11 U					25 U
molybdenum	1 U	1 U	1.1 U	1.1 U	1.1 U	2.1 U	1.1 U					
nickel	16	17.5	17.2	20	18.6	20.1	19.7					53
potassium						588						
selenium	0.26 U	0.26 U	0.26 U	0.27 U	0.27 U	0.56 U	0.28 U					
silver	0.52 U	0.52 U	0.53 U	0.54 U	0.54 U	0.19 U	0.56 U					25 U
sodium						84.4						
thallium	0.26 U	0.26 U	0.26 U	0.27 U	0.27 U	2.5	0.28 U					
titanium												
vanadium	15	14.2	14.2	17	14.2	16.2	16.8					
zinc	11.6	12.8	11.6	13	15.6	17	17.1					38

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	154-SN-002	154-SN-004	154-SN-005	154-SN-006	154-SS-001	154-SS-001	154-SS-001	154-SS-003	154-SS-003	154-Z19-020	32EDC-12-13	32EDC-12-13
Sample ID	154S-012M	154S-004M	154S-005M	154S-006M	154M-001	154M-001M	154M-001RE	154M-003	154M-003M	154-0020	C032C401	C032C402
Sample Type	FD	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	5–5.5	7.5–8	7.5–8	7–7.25	6–6.5	6–6.5	6–6.5	8.5–9	8.5–9	0.5–1	0–0.5	0.5–2
Sample Date	17-Jan-95	21-Feb-95	10-Feb-95	22-Feb-95	21-Feb-95	21-Feb-95	21-Feb-95	24-Mar-95	24-Mar-95	12-Jun-95	17-May-02	17-May-02
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	BEI 2003	BEI 2003
Volatile Organic Compounds (µg/kg)												
acetone									24 U			
benzene	10 U	10 U	10 U	10 U		10 U			6 U			
bromobenzene												
bromochloromethane												
bromodichloromethane									6 U			
bromoform									6 U			
bromomethane									12 U			
2-butanone	10 U	10 U	10 U	10 U		10 U			12 U			
n-butylbenzene												
sec-butylbenzene												
tert-butylbenzene												
carbon disulfide									6 U			
carbon tetrachloride									6 U			
chlorobenzene									6 U			
chlorodibromomethane									6 U			
chloroethane									12 U			
2-chloroethylvinyl ether												
chloroform									6 U			
chloromethane									12 U			
2-chlorotoluene												
4-chlorotoluene												
1,2-dibromo-3-chloropropane												
1,2-dibromoethane												
dibromomethane												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
dichlorodifluoromethane												
1,1-dichloroethane									6 U			
1,2-dichloroethane	10 U	10 U	10 U	10 U		10 U			6 U			
1,1-dichloroethene	10 U	10 U	10 U	10 U		10 U			6 U			
cis-1,2-dichloroethene	10 U	10 U	10 U	10 U		10 U			6 U			
trans-1,2-dichloroethene	10 U	10 U	10 U	10 U		10 U			6 U			
1,2-dichloroethene												
1,2-dichloropropane									6 U			
1,3-dichloropropane												
sec-dichloropropane												
1,1-dichloropropene												
cis-1,3-dichloropropene									6 U			
trans-1,3-dichloropropene									6 U			
ethylbenzene	10 U	10 U	10 U	10 U		10 U			6 U			
hexachlorobutadiene												
n-hexane	20 U	10 U	20 U	20 U		10 U			6 U			
2-hexanone									12 U			

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	154-SN-002	154-SN-004	154-SN-005	154-SN-006	154-SS-001	154-SS-001	154-SS-001	154-SS-003	154-SS-003	154-Z19-020	32EDC-12-13	32EDC-12-13
Sample ID	154S-012M	154S-004M	154S-005M	154S-006M	154M-001	154M-001M	154M-001RE	154M-003	154M-003M	154-0020	C032C401	C032C402
Sample Type	FD	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	5–5.5	7.5–8	7.5–8	7–7.25	6–6.5	6–6.5	6–6.5	8.5–9	8.5–9	0.5–1	0–0.5	0.5–2
Sample Date	17-Jan-95	21-Feb-95	10-Feb-95	22-Feb-95	21-Feb-95	21-Feb-95	21-Feb-95	24-Mar-95	24-Mar-95	12-Jun-95	17-May-02	17-May-02
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	BEI 2003	BEI 2003
Volatile Organic Compounds (µg/kg) (cont.)												
isopropylbenzene												
p-isopropyltoluene												
methyl tert-butyl ether												
methylene chloride	10 U	20 U	10 U	10 U		20 U			24 U			
4-methyl-2-pentanone									12 U			
naphthalene												
n-propylbenzene												
styrene									6 U			
1,1,1,2-tetrachloroethane												
1,1,2,2-tetrachloroethane									6 U			
tetrachloroethene	10 U	10 U	10 U	10 U		10 U			6 U			
toluene	10 U	10 U	10 U	10 U		10 U			6 U			
1,2,3-trichlorobenzene												
1,2,4-trichlorobenzene												
1,1,1-trichloroethane	10 U	10 U	10 U	10 U		10 U			6 U			
1,1,2-trichloroethane									6 U			
trichloroethene	10 U	10 U	10 U	10 U		10 U			6 U			
trichlorofluoromethane									6 U			
1,2,3-trichloropropane												
1,2,4-trimethylbenzene												
1,3,5-trimethylbenzene												
vinyl acetate									60 U			
vinyl chloride	10 U	10 U	10 U	10 U		10 U			12 U			
meta-,para-xylene	20 U	20 U	20 U	20 U		20 U			6 U			
m-, p-xylene												
o-xylene	10 U	10 U	10 U	10 U		10 U			6 U			
xylenes, total												
Petroleum Hydrocarbons (µg/kg)												
diesel	50,000 U	50,000 U	50,000 U	50,000 U		50,000 U			1,200 U			
gasoline	50,000 U	50,000 U	50,000 U	50,000 U		50,000 U			600 U			
jet fuel #5 (JP5)												
JP-5												
motor oil									30,000 U			
Semivolatile Organic Compounds (µg/kg)												
acenaphthene											5.3 U	5.3 U
acenaphthylene											5.3 U	5.3 U
aniline												
anthracene											5.3 U	5.3 U
benz(a)anthracene											5.3 U	5.3 U
benzidine												
benzo(b)fluoranthene											2.1 J	5.3 U
benzo(k)fluoranthene											5.3 U	5.3 U
benzoic acid												
benzo(g,h,i)perylene											5.7	5.3 U

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	154-SN-002	154-SN-004	154-SN-005	154-SN-006	154-SS-001	154-SS-001	154-SS-001	154-SS-003	154-SS-003	154-Z19-020	32EDC-12-13	32EDC-12-13
Sample ID	154S-012M	154S-004M	154S-005M	154S-006M	154M-001	154M-001M	154M-001RE	154M-003	154M-003M	154-0020	C032C401	C032C402
Sample Type	FD	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	5–5.5	7.5–8	7.5–8	7–7.25	6–6.5	6–6.5	6–6.5	8.5–9	8.5–9	0.5–1	0–0.5	0.5–2
Sample Date	17-Jan-95	21-Feb-95	10-Feb-95	22-Feb-95	21-Feb-95	21-Feb-95	21-Feb-95	24-Mar-95	24-Mar-95	12-Jun-95	17-May-02	17-May-02
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	BEI 2003	BEI 2003
Semivolatile Organic Compounds (µg/kg) (cont.)												
benzo(a)pyrene											2.8 J	5.3 U
benzyl alcohol												
bis(2-chloroethoxy)methane												
bis(2-chloroethyl)ether												
bis(2-chloro-1-methylethyl)ether												
bis(2-ethylhexyl)phthalate												
4-bromophenyl phenyl ether												
butyl benzyl phthalate												
carbazole												
4-chloroaniline												
4-chloro-3-methylphenol												
2-chloronaphthalene												
2-chlorophenol												
4-chlorophenyl phenyl ether												
chrysene											5.3 U	5.3 U
dibenz(a,h)anthracene											5.3 U	5.3 U
di-n-butyl phthalate												
dibenzofuran												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
3,3'-dichlorobenzidine												
2,4-dichlorophenol												
diethyl phthalate												
2,4-dimethylphenol												
dimethyl phthalate												
4,6-dinitro-2-methylphenol												
2,4-dinitrophenol												
2,4-dinitrotoluene												
2,6-dinitrotoluene												
di-n-octyl phthalate												
1,2-diphenylhydrazine												
fluoranthene											1.6 J	5.3 U
fluorene											5.3 U	5.3 U
hexachlorobenzene												
hexachlorobutadiene												
hexachlorocyclopentadiene												
hexachloroethane												
indeno(1,2,3-cd)pyrene											4.3 J	0.69 J
isophorone												
2-methylnaphthalene											5.3 U	5.3 U
2-methylphenol												
4-methylphenol												
naphthalene											5.3 U	5.3 U

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	154-SN-002	154-SN-004	154-SN-005	154-SN-006	154-SS-001	154-SS-001	154-SS-001	154-SS-003	154-SS-003	154-Z19-020	32EDC-12-13	32EDC-12-13
Sample ID	154S-012M	154S-004M	154S-005M	154S-006M	154M-001	154M-001M	154M-001RE	154M-003	154M-003M	154-0020	C032C401	C032C402
Sample Type	FD	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	5–5.5	7.5–8	7.5–8	7–7.25	6–6.5	6–6.5	6–6.5	8.5–9	8.5–9	0.5–1	0–0.5	0.5–2
Sample Date	17-Jan-95	21-Feb-95	10-Feb-95	22-Feb-95	21-Feb-95	21-Feb-95	21-Feb-95	24-Mar-95	24-Mar-95	12-Jun-95	17-May-02	17-May-02
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	BEI 2003	BEI 2003
Semivolatile Organic Compounds (µg/kg) (cont.)												
2-nitroaniline												
3-nitroaniline												
4-nitroaniline												
nitrobenzene												
4-nitrophenol												
2-nitrophenol												
N-nitrosodimethylamine												
N-nitrosodiphenylamine												
N-nitroso-di-n-propylamine												
pentachlorophenol												
phenanthrene											5.3 U	5.3 U
phenol												
pyrene											2.1 J	5.3 U
1,2,4-trichlorobenzene												
2,4,5-trichlorophenol												
2,4,6-trichlorophenol												
Pesticides/Polychlorinated Biphenyls (µg/kg)												
aldrin					1.8 U		1.8 UJ	2 U				
Aroclor 1016					35 U		35 UJ	40 U				
Aroclor 1221					71 U		71 UJ	81 U				
Aroclor 1232					35 U		35 UJ	40 U				
Aroclor 1242					35 U		35 UJ	40 U				
Aroclor 1248					35 U		35 UJ	40 U				
Aroclor 1254					35 U		35 UJ	40 U				
Aroclor 1260					35 U		35 UJ	40 U				
alpha-BHC					1.8 U		1.8 UJ	2 U				
beta-BHC					1.8 U		1.8 UJ	2 U				
delta-BHC					1.8 U		1.8 UJ	2 U				
gamma-BHC (lindane)					1.8 U		1.8 UJ	2 U				
alpha-chlordane					1.8 U		1.8 UJ	2 U				
gamma-chlordane					1.8 U		1.8 UJ	2 U				
4,4´-DDD					3.5 U		3.5 UJ	4 U				
4,4´-DDE					3.5 U		3.5 UJ	4 U				
4,4´-DDT					3.5 U		3.5 UJ	4 U				
dieldrin					3.5 U		3.5 UJ	4 U				
endosulfan I					1.8 U		1.8 UJ	2 U				
endosulfan II					3.5 U		3.5 UJ	4 U				
endosulfan sulfate					3.5 U		3.5 UJ	4 U				
endrin					3.5 U		3.5 UJ	4 U				
endrin aldehyde					3.5 U		3.5 UJ	4 U				
endrin ketone					3.5 U		3.5 UJ	4 U				
heptachlor					1.8 U		1.8 UJ	2 U				
heptachlor epoxide					1.8 U		1.8 UJ	2 U				
methoxychlor					18 U		18 UJ	20 U				

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	154-SN-002	154-SN-004	154-SN-005	154-SN-006	154-SS-001	154-SS-001	154-SS-001	154-SS-003	154-SS-003	154-Z19-020	32EDC-12-13	32EDC-12-13
Sample ID	154S-012M	154S-004M	154S-005M	154S-006M	154M-001	154M-001M	154M-001RE	154M-003	154M-003M	154-0020	C032C401	C032C402
Sample Type	FD	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	5–5.5	7.5–8	7.5–8	7–7.25	6–6.5	6–6.5	6–6.5	8.5–9	8.5–9	0.5–1	0–0.5	0.5–2
Sample Date	17-Jan-95	21-Feb-95	10-Feb-95	22-Feb-95	21-Feb-95	21-Feb-95	21-Feb-95	24-Mar-95	24-Mar-95	12-Jun-95	17-May-02	17-May-02
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	BEI 2003	BEI 2003
Pesticides/Polychlorinated Biphenyls (µg/kg) (cont.)												
toxaphene					180 U		180 UJ	200 U				
Dioxins/Furans (µg/kg)												
heptachlorodibenzo-p-dioxins										2.4 U		
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin										2.4 U		
heptachlorodibenzofurans										2.4 U		
1,2,3,4,6,7,8-heptachlorodibenzofuran										2.4 U		
1,2,3,4,7,8,9-heptachlorodibenzofuran										2.4 U		
hexachlorodibenzo-p-dioxins										2.4 U		
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin										2.4 U		
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin										2.4 U		
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin										2.4 U		
hexachlorodibenzofurans										2.4 U		
1,2,3,4,7,8-hexachlorodibenzofuran										2.4 U		
1,2,3,6,7,8-hexachlorodibenzofuran										2.4 U		
1,2,3,7,8,9-hexachlorodibenzofuran										2.4 U		
2,3,4,6,7,8-hexachlorodibenzofuran										2.4 U		
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin										4.8 U		
1,2,3,4,6,7,8,9-octachlorodibenzofuran										4.8 U		
pentachlorodibenzo-p-dioxins										2.4 U		
1,2,3,7,8-pentachlorodibenzo-p-dioxin										2.4 U		
pentachlorodibenzofurans										2.4 U		
1,2,3,7,8-pentachlorodibenzofuran										2.4 U		
2,3,4,7,8-pentachlorodibenzofuran										2.4 U		
tetrachlorodibenzo-p-dioxins										1 U		
2,3,7,8-tetrachlorodibenzo-p-dioxin										1 U		
tetrachlorodibenzofurans										1 U		
2,3,7,8-tetrachlorodibenzofuran										1 U		
Organotins (µg/kg)												
dibutyltin					0.001 UJ			0.001 UJ				
monobutyltin					0.001 UJ			0.001 UJ				
tetrabutyltin					0.001 UJ			0.001 UJ				
tributyltin					0.001 UJ			0.001 UJ				
Metals (mg/kg)												
aluminum												
antimony	25 U	25 U	25 U	25 U		25 U			3.5 U			
arsenic									29 U			
barium									38			
beryllium	25 U	25 U	25 U	25 U		25 U			0.12 U			
cadmium	25 U	25 U	25 U	25 U		25 U			0.29 U			
calcium												
chromium	25 U	25 U	25 U	25 U		25 U			29			
cobalt									5.4			
copper	25 U	25 U	25 U	25 U		25 U			17			
iron												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**
Station ID	**154-SN-002**	**154-SN-004**	**154-SN-005**	**154-SN-006**	**154-SS-001**	**154-SS-001**	**154-SS-001**	**154-SS-003**	**154-SS-003**	**154-Z19-020**	**32EDC-12-13**	**32EDC-12-13**
Sample ID	**154S-012M**	**154S-004M**	**154S-005M**	**154S-006M**	**154M-001**	**154M-001M**	**154M-001RE**	**154M-003**	**154M-003M**	**154-0020**	**C032C401**	**C032C402**
Sample Type	**FD**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
Depth Interval (feet bgs)	**5–5.5**	**7.5–8**	**7.5–8**	**7–7.25**	**6–6.5**	**6–6.5**	**6–6.5**	**8.5–9**	**8.5–9**	**0.5–1**	**0–0.5**	**0.5–2**
Sample Date	**17-Jan-95**	**21-Feb-95**	**10-Feb-95**	**22-Feb-95**	**21-Feb-95**	**21-Feb-95**	**21-Feb-95**	**24-Mar-95**	**24-Mar-95**	**12-Jun-95**	**17-May-02**	**17-May-02**
Reference	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**BEI 2003**	**BEI 2003**
Metals (mg/kg) (cont.)												
lead	25 U	25 U	25 U	25 U		25 U			18 U			
magnesium												
manganese												
mercury	25 U	25 U	25 U	25 U		25 U			0.12 U			
molybdenum									1.2 U			
nickel	37	46	33	42		28			20			
potassium												
selenium									29 U			
silver	25 U	25 U	25 U	25 U		25 U			0.58 U			
sodium												
thallium									29 U			
titanium												
vanadium									21			
zinc	39	25 U	25	30		25 U			26			

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	32EDC-12-13	32EDC-12-13	32EDC-12-13	32EDC-12-2	32EDC-12-2	32EDC-12-2	32EDC-12-2	32EDC-12-21	32EDC-12-21	32EDC-12-21	32EDC-12-21	32EDC-12-22
Sample ID	C032C403	C032C404	C032C405	C032C353	C032C354	C032C355	C032C356	C032C437	C032C438	C032C439	C032C440	C032C441
Sample Type	FD	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5
Sample Date	17-May-02	17-May-02	17-May-02	21-May-02	21-May-02	21-May-02	21-May-02	17-May-02	17-May-02	17-May-02	17-May-02	21-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Volatile Organic Compounds (µg/kg)												
acetone												
benzene												
bromobenzene												
bromochloromethane												
bromodichloromethane												
bromoform												
bromomethane												
2-butanone												
n-butylbenzene												
sec-butylbenzene												
tert-butylbenzene												
carbon disulfide												
carbon tetrachloride												
chlorobenzene												
chlorodibromomethane												
chloroethane												
2-chloroethylvinyl ether												
chloroform												
chloromethane												
2-chlorotoluene												
4-chlorotoluene												
1,2-dibromo-3-chloropropane												
1,2-dibromoethane												
dibromomethane												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
dichlorodifluoromethane												
1,1-dichloroethane												
1,2-dichloroethane												
1,1-dichloroethene												
cis-1,2-dichloroethene												
trans-1,2-dichloroethene												
1,2-dichloroethene												
1,2-dichloropropane												
1,3-dichloropropane												
sec-dichloropropane												
1,1-dichloropropene												
cis-1,3-dichloropropene												
trans-1,3-dichloropropene												
ethylbenzene												
hexachlorobutadiene												
n-hexane												
2-hexanone												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	32EDC-12-13	32EDC-12-13	32EDC-12-13	32EDC-12-2	32EDC-12-2	32EDC-12-2	32EDC-12-2	32EDC-12-21	32EDC-12-21	32EDC-12-21	32EDC-12-21	32EDC-12-22
Sample ID	C032C403	C032C404	C032C405	C032C353	C032C354	C032C355	C032C356	C032C437	C032C438	C032C439	C032C440	C032C441
Sample Type	FD	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5
Sample Date	17-May-02	17-May-02	17-May-02	21-May-02	21-May-02	21-May-02	21-May-02	17-May-02	17-May-02	17-May-02	17-May-02	21-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Volatile Organic Compounds (µg/kg) (cont.)												
isopropylbenzene												
p-isopropyltoluene												
methyl tert-butyl ether												
methylene chloride												
4-methyl-2-pentanone												
naphthalene												
n-propylbenzene												
styrene												
1,1,1,2-tetrachloroethane												
1,1,2,2-tetrachloroethane												
tetrachloroethene												
toluene												
1,2,3-trichlorobenzene												
1,2,4-trichlorobenzene												
1,1,1-trichloroethane												
1,1,2-trichloroethane												
trichloroethene												
trichlorofluoromethane												
1,2,3-trichloropropane												
1,2,4-trimethylbenzene												
1,3,5-trimethylbenzene												
vinyl acetate												
vinyl chloride												
meta-,para-xylene												
m-, p-xylene												
o-xylene												
xylenes, total												
Petroleum Hydrocarbons (µg/kg)												
diesel												
gasoline												
jet fuel #5 (JP5)												
JP-5												
motor oil												
Semivolatile Organic Compounds (µg/kg)												
acenaphthene	5.3 U	5.3 U	5.6 U	5.6 U	5.3 U	5.3 U	5.7 U	5.4 U	5.5 U	5.4 U	5.7 U	5.6 U
acenaphthylene	5.3 U	5.3 U	5.6 U	5.6 U	5.3 U	5.3 U	5.7 U	5.4 U	5.5 U	5.4 U	5.7 U	5.6 U
aniline												
anthracene	5.3 U	5.3 U	5.6 U	5.6 U	5.3 U	5.3 U	5.7 U	2 J	5.5 U	5.4 U	5.7 U	5.6 UJ
benz(a)anthracene	5.3 U	5.3 U	5.6 U	5.6 U	5.3 U	5.3 U	5.7 U	4.3 J	5.5 UJ	5.4 UJ	5.7 U	1.2 J
benzidine												
benzo(b)fluoranthene	5.3 U	5.3 U	5.6 U	2.1 J	5.3 U	5.3 U	5.7 U	5.4 U	5.5 U	5.4 U	5.7 U	2.6 J
benzo(k)fluoranthene	5.3 U	5.3 U	5.6 U	5.6 U	5.3 U	5.3 U	5.7 U	5.6	5.5 U	5.4 U	5.7 U	1.6 J
benzoic acid												
benzo(g,h,i)perylene	1.5 J	5.3 U	5.6 U	5.6 U	5.3 U	5.3 U	5.7 U	6.5	5.6	3 J	5.7 U	7.1

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	32EDC-12-13	32EDC-12-13	32EDC-12-13	32EDC-12-2	32EDC-12-2	32EDC-12-2	32EDC-12-2	32EDC-12-21	32EDC-12-21	32EDC-12-21	32EDC-12-21	32EDC-12-22
Sample ID	C032C403	C032C404	C032C405	C032C353	C032C354	C032C355	C032C356	C032C437	C032C438	C032C439	C032C440	C032C441
Sample Type	FD	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5
Sample Date	17-May-02	17-May-02	17-May-02	21-May-02	21-May-02	21-May-02	21-May-02	17-May-02	17-May-02	17-May-02	17-May-02	21-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Semivolatile Organic Compounds (µg/kg) (cont.)												
benzo(a)pyrene	5.3 U	5.3 U	5.6 U	5.6 U	5.3 U	5.3 U	5.7 U	7.9	4.6 J	2.7 J	5.7 U	2.9 J
benzyl alcohol												
bis(2-chloroethoxy)methane												
bis(2-chloroethyl)ether												
bis(2-chloro-1-methylethyl)ether												
bis(2-ethylhexyl)phthalate												
4-bromophenyl phenyl ether												
butyl benzyl phthalate												
carbazole												
4-chloroaniline												
4-chloro-3-methylphenol												
2-chloronaphthalene												
2-chlorophenol												
4-chlorophenyl phenyl ether												
chrysene	5.3 U	5.3 U	5.6 U	5.6 U	5.3 U	5.3 U	5.7 U	6.8	4.6 J	5.4 U	5.7 U	1.7 J
dibenz(a,h)anthracene	5.3 U	5.3 U	5.6 U	5.6 U	5.3 U	5.3 U	5.7 U	5.4 U	5.5 U	5.4 U	5.7 U	0.52 J
di-n-butyl phthalate												
dibenzofuran												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
3,3'-dichlorobenzidine												
2,4-dichlorophenol												
diethyl phthalate												
2,4-dimethylphenol												
dimethyl phthalate												
4,6-dinitro-2-methylphenol												
2,4-dinitrophenol												
2,4-dinitrotoluene												
2,6-dinitrotoluene												
di-n-octyl phthalate												
1,2-diphenylhydrazine												
fluoranthene	5.3 U	5.3 U	5.6 U	1.7 J	5.3 U	5.3 U	5.7 U	11	3.7 J	1.9 J	5.7 U	0.95 J
fluorene	5.3 U	5.3 U	5.6 U	5.6 U	5.3 U	5.3 U	5.7 U	5.4 U	5.5 U	5.4 U	5.7 U	5.6 U
hexachlorobenzene												
hexachlorobutadiene												
hexachlorocyclopentadiene												
hexachloroethane												
indeno(1,2,3-cd)pyrene	0.86 J	5.3 U	5.6 U	1.7 J	5.3 U	5.3 U	5.7 U	6.3	4.4 J	2.7 J	5.7 U	5.9
isophorone												
2-methylnaphthalene	5.3 U	5.3 U	5.6 U	5.6 U	5.3 U	5.3 U	5.7 U	5.4 U	5.5 U	5.4 U	5.7 U	0.33 J
2-methylphenol												
4-methylphenol												
naphthalene	5.3 U	5.3 U	5.6 U	5.6 U	5.3 U	5.3 U	5.7 U	0.59 J	0.45 J	0.38 J	5.7 U	0.48 J

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	32EDC-12-13	32EDC-12-13	32EDC-12-13	32EDC-12-2	32EDC-12-2	32EDC-12-2	32EDC-12-2	32EDC-12-21	32EDC-12-21	32EDC-12-21	32EDC-12-21	32EDC-12-22
Sample ID	C032C403	C032C404	C032C405	C032C353	C032C354	C032C355	C032C356	C032C437	C032C438	C032C439	C032C440	C032C441
Sample Type	FD	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5
Sample Date	17-May-02	17-May-02	17-May-02	21-May-02	21-May-02	21-May-02	21-May-02	17-May-02	17-May-02	17-May-02	17-May-02	21-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Semivolatile Organic Compounds (µg/kg) (cont.)												
2-nitroaniline												
3-nitroaniline												
4-nitroaniline												
nitrobenzene												
4-nitrophenol												
2-nitrophenol												
N-nitrosodimethylamine												
N-nitrosodiphenylamine												
N-nitroso-di-n-propylamine												
pentachlorophenol												
phenanthrene	5.3 U	5.3 U	5.6 U	1.6 J	5.3 U	5.3 U	5.7 U	6.2 J	1.4 J	0.69 J	5.7 U	1.1 J
phenol												
pyrene	5.3 U	5.3 U	5.6 U	1.7 J	5.3 U	5.3 U	5.7 U	14 J	5.2 J	2.4 J	0.48 J	1.7 J
1,2,4-trichlorobenzene												
2,4,5-trichlorophenol												
2,4,6-trichlorophenol												
Pesticides/Polychlorinated Biphenyls (µg/kg)												
aldrin												
Aroclor 1016												
Aroclor 1221												
Aroclor 1232												
Aroclor 1242												
Aroclor 1248												
Aroclor 1254												
Aroclor 1260												
alpha-BHC												
beta-BHC												
delta-BHC												
gamma-BHC (lindane)												
alpha-chlordane												
gamma-chlordane												
4,4´-DDD												
4,4´-DDE												
4,4´-DDT												
dieldrin												
endosulfan I												
endosulfan II												
endosulfan sulfate												
endrin												
endrin aldehyde												
endrin ketone												
heptachlor												
heptachlor epoxide												
methoxychlor												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	32EDC-12-13	32EDC-12-13	32EDC-12-13	32EDC-12-2	32EDC-12-2	32EDC-12-2	32EDC-12-2	32EDC-12-21	32EDC-12-21	32EDC-12-21	32EDC-12-21	32EDC-12-22
Sample ID	C032C403	C032C404	C032C405	C032C353	C032C354	C032C355	C032C356	C032C437	C032C438	C032C439	C032C440	C032C441
Sample Type	FD	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5
Sample Date	17-May-02	17-May-02	17-May-02	21-May-02	21-May-02	21-May-02	21-May-02	17-May-02	17-May-02	17-May-02	17-May-02	21-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Pesticides/Polychlorinated Biphenyls (µg/kg) (cont.)												
toxaphene												
Dioxins/Furans (µg/kg)												
heptachlorodibenzo-p-dioxins												
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin												
heptachlorodibenzofurans												
1,2,3,4,6,7,8-heptachlorodibenzofuran												
1,2,3,4,7,8,9-heptachlorodibenzofuran												
hexachlorodibenzo-p-dioxins												
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin												
hexachlorodibenzofurans												
1,2,3,4,7,8-hexachlorodibenzofuran												
1,2,3,6,7,8-hexachlorodibenzofuran												
1,2,3,7,8,9-hexachlorodibenzofuran												
2,3,4,6,7,8-hexachlorodibenzofuran												
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin												
1,2,3,4,6,7,8,9-octachlorodibenzofuran												
pentachlorodibenzo-p-dioxins												
1,2,3,7,8-pentachlorodibenzo-p-dioxin												
pentachlorodibenzofurans												
1,2,3,7,8-pentachlorodibenzofuran												
2,3,4,7,8-pentachlorodibenzofuran												
tetrachlorodibenzo-p-dioxins												
2,3,7,8-tetrachlorodibenzo-p-dioxin												
tetrachlorodibenzofurans												
2,3,7,8-tetrachlorodibenzofuran												
Organotins (µg/kg)												
dibutyltin												
monobutyltin												
tetrabutyltin												
tributyltin												
Metals (mg/kg)												
aluminum												
antimony												
arsenic												
barium												
beryllium												
cadmium												
calcium												
chromium												
cobalt												
copper												
iron												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**
Station ID	**32EDC-12-13**	**32EDC-12-13**	**32EDC-12-13**	**32EDC-12-2**	**32EDC-12-2**	**32EDC-12-2**	**32EDC-12-2**	**32EDC-12-21**	**32EDC-12-21**	**32EDC-12-21**	**32EDC-12-21**	**32EDC-12-22**
Sample ID	**C032C403**	**C032C404**	**C032C405**	**C032C353**	**C032C354**	**C032C355**	**C032C356**	**C032C437**	**C032C438**	**C032C439**	**C032C440**	**C032C441**
Sample Type	**FD**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
Depth Interval (feet bgs)	**0.5–2**	**2–4**	**4–8**	**0–0.5**	**0.5–2**	**2–4**	**4–8**	**0–0.5**	**0.5–2**	**2–4**	**4–8**	**0–0.5**
Sample Date	**17-May-02**	**17-May-02**	**17-May-02**	**21-May-02**	**21-May-02**	**21-May-02**	**21-May-02**	**17-May-02**	**17-May-02**	**17-May-02**	**17-May-02**	**21-May-02**
Reference	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**
Metals (mg/kg) (cont.)												
lead												
magnesium												
manganese												
mercury												
molybdenum												
nickel												
potassium												
selenium												
silver												
sodium												
thallium												
titanium												
vanadium												
zinc												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	32EDC-12-22	32EDC-12-22	32EDC-12-22	32EDC-12-5	32EDC-12-5	32EDC-12-5	32EDC-12-5	32EDC-12-5	32EDC-12-9	32EDC-12-9	32EDC-12-9	32EDC-12-9
Sample ID	C032C442	C032C443	C032C444	C032C366	C032C367	C032C368	C032C369	C032C370	C032C384	C032C385	C032C386	C032C387
Sample Type	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG
Depth Interval (feet bgs)	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	4–8	0–0.5	0.5–2	2–4	4–8
Sample Date	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Volatile Organic Compounds (µg/kg)												
acetone												
benzene												
bromobenzene												
bromochloromethane												
bromodichloromethane												
bromoform												
bromomethane												
2-butanone												
n-butylbenzene												
sec-butylbenzene												
tert-butylbenzene												
carbon disulfide												
carbon tetrachloride												
chlorobenzene												
chlorodibromomethane												
chloroethane												
2-chloroethylvinyl ether												
chloroform												
chloromethane												
2-chlorotoluene												
4-chlorotoluene												
1,2-dibromo-3-chloropropane												
1,2-dibromoethane												
dibromomethane												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
dichlorodifluoromethane												
1,1-dichloroethane												
1,2-dichloroethane												
1,1-dichloroethene												
cis-1,2-dichloroethene												
trans-1,2-dichloroethene												
1,2-dichloroethene												
1,2-dichloropropane												
1,3-dichloropropane												
sec-dichloropropane												
1,1-dichloropropene												
cis-1,3-dichloropropene												
trans-1,3-dichloropropene												
ethylbenzene												
hexachlorobutadiene												
n-hexane												
2-hexanone												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	32EDC-12-22	32EDC-12-22	32EDC-12-22	32EDC-12-5	32EDC-12-5	32EDC-12-5	32EDC-12-5	32EDC-12-5	32EDC-12-9	32EDC-12-9	32EDC-12-9	32EDC-12-9
Sample ID	C032C442	C032C443	C032C444	C032C366	C032C367	C032C368	C032C369	C032C370	C032C384	C032C385	C032C386	C032C387
Sample Type	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG
Depth Interval (feet bgs)	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	4–8	0–0.5	0.5–2	2–4	4–8
Sample Date	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Volatile Organic Compounds (µg/kg) (cont.)												
isopropylbenzene												
p-isopropyltoluene												
methyl tert-butyl ether												
methylene chloride												
4-methyl-2-pentanone												
naphthalene												
n-propylbenzene												
styrene												
1,1,1,2-tetrachloroethane												
1,1,2,2-tetrachloroethane												
tetrachloroethene												
toluene												
1,2,3-trichlorobenzene												
1,2,4-trichlorobenzene												
1,1,1-trichloroethane												
1,1,2-trichloroethane												
trichloroethene												
trichlorofluoromethane												
1,2,3-trichloropropane												
1,2,4-trimethylbenzene												
1,3,5-trimethylbenzene												
vinyl acetate												
vinyl chloride												
meta-,para-xylene												
m-, p-xylene												
o-xylene												
xylenes, total												
Petroleum Hydrocarbons (µg/kg)												
diesel												
gasoline												
jet fuel #5 (JP5)												
JP-5												
motor oil												
Semivolatile Organic Compounds (µg/kg)												
acenaphthene	5.4 U	5.4 U	5.6 U	5.6 U	5.3 U	5.3 U	5.3 U	5.4 U	5.6 U	5.2 UJ	5.3 UJ	5.8 UJ
acenaphthylene	5.4 U	5.4 U	5.6 U	5.6 U	5.3 U	5.3 U	5.3 U	5.4 U	5.6 U	5.2 UJ	5.3 UJ	5.8 UJ
aniline												
anthracene	5.4 UJ	0.42 J	5.6 UJ	5.6 U	5.3 U	5.3 U	5.3 U	5.4 U	5.6 UJ	5.2 UJ	5.3 UJ	5.8 UJ
benz(a)anthracene	1.7 J	2.4 J	0.75 J	1.5 J	1.8 J	5.3 U	5.3 U	5.4 U	0.96 J	5.2 U	0.36 J	0.46 J
benzidine												
benzo(b)fluoranthene	3.3 J	1.8 J	0.92 J	3.3 J	2.7 J	5.3 U	5.3 U	5.4 U	0.68 J	5.2 UJ	5.3 UJ	0.69 J
benzo(k)fluoranthene	2.1 J	2.4 J	0.62 J	2.3 J	5.3 U	5.3 U	5.3 U	5.4 U	0.79 J	5.2 UJ	5.3 UJ	0.48 J
benzoic acid												
benzo(g,h,i)perylene	8.4 J	6.7	1.9 J	6.3	1.6 J	5.3 U	5.3 U	5.4 U	1.2 J	5.2 UJ	0.39 J	1.1 J

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	32EDC-12-22	32EDC-12-22	32EDC-12-22	32EDC-12-5	32EDC-12-5	32EDC-12-5	32EDC-12-5	32EDC-12-5	32EDC-12-9	32EDC-12-9	32EDC-12-9	32EDC-12-9
Sample ID	C032C442	C032C443	C032C444	C032C366	C032C367	C032C368	C032C369	C032C370	C032C384	C032C385	C032C386	C032C387
Sample Type	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG
Depth Interval (feet bgs)	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	4–8	0–0.5	0.5–2	2–4	4–8
Sample Date	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Semivolatile Organic Compounds (µg/kg) (cont.)												
benzo(a)pyrene	3.9 J	3.3 J	1 J	3.1 J	5.3 U	5.3 U	5.3 U	5.4 U	1.1 J	5.2 UJ	0.67 J	0.87 J
benzyl alcohol												
bis(2-chloroethoxy)methane												
bis(2-chloroethyl)ether												
bis(2-chloro-1-methylethyl)ether												
bis(2-ethylhexyl)phthalate												
4-bromophenyl phenyl ether												
butyl benzyl phthalate												
carbazole												
4-chloroaniline												
4-chloro-3-methylphenol												
2-chloronaphthalene												
2-chlorophenol												
4-chlorophenyl phenyl ether												
chrysene	1.8 J	2.1 J	0.97 J	3.3 J	8.6	5.3 U	5.3 U	5.4 U	0.87 J	5.2 U	0.39 J	0.58 J
dibenz(a,h)anthracene	0.58 J	0.57 J	0.23 J	5.6 U	5.3 U	5.3 U	5.3 U	5.4 U	5.6 U	5.2 UJ	5.3 UJ	5.8 UJ
di-n-butyl phthalate												
dibenzofuran												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
3,3'-dichlorobenzidine												
2,4-dichlorophenol												
diethyl phthalate												
2,4-dimethylphenol												
dimethyl phthalate												
4,6-dinitro-2-methylphenol												
2,4-dinitrophenol												
2,4-dinitrotoluene												
2,6-dinitrotoluene												
di-n-octyl phthalate												
1,2-diphenylhydrazine												
fluoranthene	1.9 J	3.7 J	1.5 J	3.3 J	5.3 U	5.3 U	5.3 U	5.4 U	1.2 J	5.2 U	0.31 J	0.69 J
fluorene	5.4 U	5.4 U	5.6 U	5.6 U	5.3 U	5.3 U	5.3 U	5.4 U	5.6 U	5.2 UJ	5.3 UJ	5.8 UJ
hexachlorobenzene												
hexachlorobutadiene												
hexachlorocyclopentadiene												
hexachloroethane												
indeno(1,2,3-cd)pyrene	6.9 J	5.8	1.5 J	3.5 J	0.7 J	5.3 U	5.3 U	5.4 U	1.3 J	5.2 UJ	5.3 UJ	0.98 J
isophorone												
2-methylnaphthalene	0.39 J	5.4 U	5.6 U	5.6 U	5.3 U	5.3 U	5.3 U	5.4 U	5.6 U	5.2 U	0.3 J	5.8 U
2-methylphenol												
4-methylphenol												
naphthalene	0.43 J	0.37 J	5.6 U	5.6 U	5.3 U	5.3 U	5.3 U	5.4 U	5.6 U	5.2 U	5.3 UJ	5.8 U

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	32EDC-12-22	32EDC-12-22	32EDC-12-22	32EDC-12-5	32EDC-12-5	32EDC-12-5	32EDC-12-5	32EDC-12-5	32EDC-12-9	32EDC-12-9	32EDC-12-9	32EDC-12-9
Sample ID	C032C442	C032C443	C032C444	C032C366	C032C367	C032C368	C032C369	C032C370	C032C384	C032C385	C032C386	C032C387
Sample Type	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG
Depth Interval (feet bgs)	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	4–8	0–0.5	0.5–2	2–4	4–8
Sample Date	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Semivolatile Organic Compounds (µg/kg) (cont.)												
2-nitroaniline												
3-nitroaniline												
4-nitroaniline												
nitrobenzene												
4-nitrophenol												
2-nitrophenol												
N-nitrosodimethylamine												
N-nitrosodiphenylamine												
N-nitroso-di-n-propylamine												
pentachlorophenol												
phenanthrene	0.88 J	1.9 J	0.47 J	5.6 U	5.3 U	5.3 U	5.3 U	5.4 U	0.63 J	5.2 U	0.48 J	5.8 UJ
phenol												
pyrene	2.9 J	4.8 J	1.9 J	5.9	2.8 J	5.3 U	5.3 U	5.4 U	1.5 J	5.2 U	0.4 J	1.1 J
1,2,4-trichlorobenzene												
2,4,5-trichlorophenol												
2,4,6-trichlorophenol												
Pesticides/Polychlorinated Biphenyls (µg/kg)												
aldrin												
Aroclor 1016												
Aroclor 1221												
Aroclor 1232												
Aroclor 1242												
Aroclor 1248												
Aroclor 1254												
Aroclor 1260												
alpha-BHC												
beta-BHC												
delta-BHC												
gamma-BHC (lindane)												
alpha-chlordane												
gamma-chlordane												
4,4´-DDD												
4,4´-DDE												
4,4´-DDT												
dieldrin												
endosulfan I												
endosulfan II												
endosulfan sulfate												
endrin												
endrin aldehyde												
endrin ketone												
heptachlor												
heptachlor epoxide												
methoxychlor												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	154	154	154	154	154	154	154	154
Station ID	32EDC-12-22	32EDC-12-22	32EDC-12-22	32EDC-12-5	32EDC-12-5	32EDC-12-5	32EDC-12-5	32EDC-12-5	32EDC-12-9	32EDC-12-9	32EDC-12-9	32EDC-12-9
Sample ID	C032C442	C032C443	C032C444	C032C366	C032C367	C032C368	C032C369	C032C370	C032C384	C032C385	C032C386	C032C387
Sample Type	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG
Depth Interval (feet bgs)	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	4–8	0–0.5	0.5–2	2–4	4–8
Sample Date	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02	21-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Pesticides/Polychlorinated Biphenyls (µg/kg) (cont.)												
toxaphene												
Dioxins/Furans (µg/kg)												
heptachlorodibenzo-p-dioxins												
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin												
heptachlorodibenzofurans												
1,2,3,4,6,7,8-heptachlorodibenzofuran												
1,2,3,4,7,8,9-heptachlorodibenzofuran												
hexachlorodibenzo-p-dioxins												
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin												
hexachlorodibenzofurans												
1,2,3,4,7,8-hexachlorodibenzofuran												
1,2,3,6,7,8-hexachlorodibenzofuran												
1,2,3,7,8,9-hexachlorodibenzofuran												
2,3,4,6,7,8-hexachlorodibenzofuran												
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin												
1,2,3,4,6,7,8,9-octachlorodibenzofuran												
pentachlorodibenzo-p-dioxins												
1,2,3,7,8-pentachlorodibenzo-p-dioxin												
pentachlorodibenzofurans												
1,2,3,7,8-pentachlorodibenzofuran												
2,3,4,7,8-pentachlorodibenzofuran												
tetrachlorodibenzo-p-dioxins												
2,3,7,8-tetrachlorodibenzo-p-dioxin												
tetrachlorodibenzofurans												
2,3,7,8-tetrachlorodibenzofuran												
Organotins (µg/kg)												
dibutyltin												
monobutyltin												
tetrabutyltin												
tributyltin												
Metals (mg/kg)												
aluminum												
antimony												
arsenic												
barium												
beryllium												
cadmium												
calcium												
chromium												
cobalt												
copper												
iron												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**	**154**
Station ID	**32EDC-12-22**	**32EDC-12-22**	**32EDC-12-22**	**32EDC-12-5**	**32EDC-12-5**	**32EDC-12-5**	**32EDC-12-5**	**32EDC-12-5**	**32EDC-12-9**	**32EDC-12-9**	**32EDC-12-9**	**32EDC-12-9**
Sample ID	**C032C442**	**C032C443**	**C032C444**	**C032C366**	**C032C367**	**C032C368**	**C032C369**	**C032C370**	**C032C384**	**C032C385**	**C032C386**	**C032C387**
Sample Type	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**FD**	**REG**	**REG**	**REG**	**REG**
Depth Interval (feet bgs)	**0.5–2**	**2–4**	**4–8**	**0–0.5**	**0.5–2**	**2–4**	**4–8**	**4–8**	**0–0.5**	**0.5–2**	**2–4**	**4–8**
Sample Date	**21-May-02**	**21-May-02**	**21-May-02**	**21-May-02**	**21-May-02**	**21-May-02**	**21-May-02**	**21-May-02**	**21-May-02**	**21-May-02**	**21-May-02**	**21-May-02**
Reference	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**
Metals (mg/kg) (cont.)												
lead												
magnesium												
manganese												
mercury												
molybdenum												
nickel												
potassium												
selenium												
silver												
sodium												
thallium												
titanium												
vanadium												
zinc												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	*154*	*154*	*154*	*155C*	*155C*	*155C*	*155C*	*155C*
Station ID	**340-E2**	**340-N2**	**340-S2**	**340-W**	***9I-CH1***	***9I-CH1***	***9I-CH2***	***030-FLI-040***	***030-FLI-041***	***030-FLI-042***	***030-FLI-043***	***030-FLI-048***
Sample ID	**340-E2**	**340-N2**	**340-S2**	**340-W**	***9I-CH1***	***9I-CH1-70***	***9I-CH2***	***030-FLI-040***	***030-FLI-041***	***030-FLI-042***	***030-FLI-043***	***030-FLI-048***
Sample Type	**REG**	**REG**	**REG**	**REG**	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***
Depth Interval (feet bgs)	**6–6**	**6–6**	**6–6**	**6–6**	***5–15***	***68–72***	***23–43***	***0–4.5***	***0–4.5***	***0–4.5***	***0–4.5***	***0–4***
Sample Date	**20-Jun-95**	**20-Jun-95**	**20-Jun-95**	**20-Jan-95**	***24-Jun-02***	***03-Jul-02***	***24-Jun-02***	***18-Sep-98***	***18-Sep-98***	***18-Sep-98***	***18-Sep-98***	***19-Sep-98***
Reference	**TtEMI 2004**	**TtEMI 2004**	**TtEMI 2004**	**TtEMI 2004**	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***
Volatile Organic Compounds (µg/kg)												
acetone					*8.3 J*	*27*	*11*					
benzene					*5.3 U*	*10 U*	*5.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*
bromobenzene					*5.3 U*	*10 U*	*5.5 U*					
bromochloromethane					*5.3 U*	*10 U*	*5.5 U*					
bromodichloromethane					*5.3 U*	*10 U*	*5.5 U*					
bromoform					*5.3 U*	*10 U*	*5.5 U*					
bromomethane					*11 U*	*20 U*	*11 U*					
2-butanone					*11 U*	*20 U*	*11 U*					
n-butylbenzene					*5.3 U*	*10 U*	*5.5 U*					
sec-butylbenzene					*5.3 U*	*10 U*	*5.5 U*					
tert-butylbenzene					*5.3 U*	*10 U*	*5.5 U*					
carbon disulfide												
carbon tetrachloride					*5.3 U*	*10 U*	*5.5 U*					
chlorobenzene					*5.3 U*	*10 U*	*5.5 U*					
chlorodibromomethane					*5.3 U*	*10 U*	*5.5 U*					
chloroethane					*11 U*	*20 U*	*11 U*					
2-chloroethylvinyl ether												
chloroform					*5.3 U*	*10 U*	*5.5 U*					
chloromethane					*11 U*	*20 U*	*11 U*					
2-chlorotoluene					*5.3 U*	*10 U*	*5.5 U*					
4-chlorotoluene					*5.3 U*	*10 U*	*5.5 U*					
1,2-dibromo-3-chloropropane					*5.3 U*	*10 U*	*5.5 U*					
1,2-dibromoethane					*5.3 U*	*10 U*	*5.5 U*					
dibromomethane					*5.3 U*	*10 U*	*5.5 U*					
1,2-dichlorobenzene					*5.3 U*	*10 U*	*5.5 U*					
1,3-dichlorobenzene					*5.3 U*	*10 U*	*5.5 U*					
1,4-dichlorobenzene					*5.3 U*	*10 U*	*5.5 U*					
dichlorodifluoromethane					*5.3 U*	*10 U*	*5.5 U*					
1,1-dichloroethane					*2.1 J*	*10 U*	*3.8 J*					
1,2-dichloroethane					*5.3 U*	*10 U*	*5.5 U*					
1,1-dichloroethene					*5.3 U*	*10 U*	*5.5 U*					
cis-1,2-dichloroethene					*5.3 U*	*10 U*	*5.5 U*					
trans-1,2-dichloroethene					*5.3 U*	*10 U*	*5.5 U*					
1,2-dichloroethene												
1,2-dichloropropane					*5.3 U*	*10 U*	*5.5 U*					
1,3-dichloropropane					*5.3 U*	*10 U*	*5.5 U*					
sec-dichloropropane					*5.3 U*	*10 U*	*5.5 U*					
1,1-dichloropropene					*5.3 U*	*10 U*	*5.5 U*					
cis-1,3-dichloropropene												
trans-1,3-dichloropropene												
ethylbenzene					*5.3 U*	*10 U*	*5.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*8*	*0.5 U*
hexachlorobutadiene					*5.3 U*	*10 U*	*5.5 U*					
n-hexane												
2-hexanone					*11 U*	*20 U*	*11 U*					

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	*154*	*154*	*154*	*155C*	*155C*	*155C*	*155C*	*155C*
Station ID	**340-E2**	**340-N2**	**340-S2**	**340-W**	***9I-CH1***	***9I-CH1***	***9I-CH2***	***030-FLI-040***	***030-FLI-041***	***030-FLI-042***	***030-FLI-043***	***030-FLI-048***
Sample ID	**340-E2**	**340-N2**	**340-S2**	**340-W**	***9I-CH1***	***9I-CH1-70***	***9I-CH2***	***030-FLI-040***	***030-FLI-041***	***030-FLI-042***	***030-FLI-043***	***030-FLI-048***
Sample Type	**REG**	**REG**	**REG**	**REG**	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***
Depth Interval (feet bgs)	**6–6**	**6–6**	**6–6**	**6–6**	***5–15***	***68–72***	***23–43***	***0–4.5***	***0–4.5***	***0–4.5***	***0–4.5***	***0–4***
Sample Date	**20-Jun-95**	**20-Jun-95**	**20-Jun-95**	**20-Jan-95**	***24-Jun-02***	***03-Jul-02***	***24-Jun-02***	***18-Sep-98***	***18-Sep-98***	***18-Sep-98***	***18-Sep-98***	***19-Sep-98***
Reference	**TtEMI 2004**	**TtEMI 2004**	**TtEMI 2004**	**TtEMI 2004**	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***
Volatile Organic Compounds (µg/kg) (cont.)												
isopropylbenzene					*5.3 U*	*10 U*	*5.5 U*					
p-isopropyltoluene					*5.3 U*	*10 U*	*5.5 U*					
methyl tert-butyl ether					*5.3 U*	*10 U*	*5.5 U*	*27 U*	*26 U*	*26 U*	*26 U*	*27 UJ*
methylene chloride					*4.6 J*	*16 J*	*5.6 J*					
4-methyl-2-pentanone					*11 U*	*20 U*	*11 U*					
naphthalene					*5.3 U*	*6.1 J*	*5.5 U*					
n-propylbenzene					*5.3 U*	*10 U*	*5.5 U*					
styrene					*5.3 U*	*10 U*	*5.5 U*					
1,1,1,2-tetrachloroethane					*5.3 U*	*10 U*	*5.5 U*					
1,1,2,2-tetrachloroethane					*5.3 U*	*10 U*	*5.5 U*					
tetrachloroethene					*5.3 U*	*10 U*	*5.5 U*					
toluene					*5.3 U*	*10 U*	*5.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*10*	*0.5 U*
1,2,3-trichlorobenzene					*5.3 U*	*10 U*	*5.5 U*					
1,2,4-trichlorobenzene					*5.3 U*	*10 U*	*5.5 U*					
1,1,1-trichloroethane					*5.3 U*	*10 U*	*5.5 U*					
1,1,2-trichloroethane					*5.3 U*	*10 U*	*5.5 U*					
trichloroethene					*5.3 U*	*5.8 J*	*5.5 U*					
trichlorofluoromethane					*5.3 U*	*10 U*	*5.5 U*					
1,2,3-trichloropropane					*5.3 U*	*10 U*	*5.5 U*					
1,2,4-trimethylbenzene					*5.3 U*	*10 U*	*5.5 U*					
1,3,5-trimethylbenzene					*5.3 U*	*10 U*	*5.5 U*					
vinyl acetate												
vinyl chloride					*11 U*	*20 U*	*11 U*					
meta-,para-xylene												
m-, p-xylene					*5.3 U*	*10 U*	*5.5 U*					
o-xylene					*5.3 U*	*10 U*	*5.5 U*					
xylenes, total								*1.1 U*	*1 U*	*1.1 U*	*31*	*1.1 U*
Petroleum Hydrocarbons (µg/kg)												
diesel	1,200	1,900	2,200	210,000				*11,000 U*	*10,000 U*	*11,000 U*	*10,000 U*	*11,000 U*
gasoline								*530 U*	*520 U*	*530 U*	*520 U*	*540 U*
jet fuel #5 (JP5)				2,100								
JP-5								*11,000 U*	*10,000 U*	*11,000 U*	*10,000 U*	*11,000 U*
motor oil								*11,000 U*	*10,000 U*	*11,000 U*	*56,000 J*	*11,000 U*
Semivolatile Organic Compounds (µg/kg)												
acenaphthene												
acenaphthylene												
aniline												
anthracene												
benz(a)anthracene												
benzidine												
benzo(b)fluoranthene												
benzo(k)fluoranthene												
benzoic acid												
benzo(g,h,i)perylene												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	*154*	*154*	*154*	*155C*	*155C*	*155C*	*155C*	*155C*
Station ID	**340-E2**	**340-N2**	**340-S2**	**340-W**	***9I-CH1***	***9I-CH1***	***9I-CH2***	***030-FLI-040***	***030-FLI-041***	***030-FLI-042***	***030-FLI-043***	***030-FLI-048***
Sample ID	**340-E2**	**340-N2**	**340-S2**	**340-W**	***9I-CH1***	***9I-CH1-70***	***9I-CH2***	***030-FLI-040***	***030-FLI-041***	***030-FLI-042***	***030-FLI-043***	***030-FLI-048***
Sample Type	**REG**	**REG**	**REG**	**REG**	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***
Depth Interval (feet bgs)	**6–6**	**6–6**	**6–6**	**6–6**	***5–15***	***68–72***	***23–43***	***0–4.5***	***0–4.5***	***0–4.5***	***0–4.5***	***0–4***
Sample Date	**20-Jun-95**	**20-Jun-95**	**20-Jun-95**	**20-Jan-95**	***24-Jun-02***	***03-Jul-02***	***24-Jun-02***	***18-Sep-98***	***18-Sep-98***	***18-Sep-98***	***18-Sep-98***	***19-Sep-98***
Reference	**TtEMI 2004**	**TtEMI 2004**	**TtEMI 2004**	**TtEMI 2004**	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***
Semivolatile Organic Compounds (µg/kg) (cont.)												
benzo(a)pyrene												
benzyl alcohol												
bis(2-chloroethoxy)methane												
bis(2-chloroethyl)ether												
bis(2-chloro-1-methylethyl)ether												
bis(2-ethylhexyl)phthalate												
4-bromophenyl phenyl ether												
butyl benzyl phthalate												
carbazole												
4-chloroaniline												
4-chloro-3-methylphenol												
2-chloronaphthalene												
2-chlorophenol												
4-chlorophenyl phenyl ether												
chrysene												
dibenz(a,h)anthracene												
di-n-butyl phthalate												
dibenzofuran												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
3,3'-dichlorobenzidine												
2,4-dichlorophenol												
diethyl phthalate												
2,4-dimethylphenol												
dimethyl phthalate												
4,6-dinitro-2-methylphenol												
2,4-dinitrophenol												
2,4-dinitrotoluene												
2,6-dinitrotoluene												
di-n-octyl phthalate												
1,2-diphenylhydrazine												
fluoranthene												
fluorene												
hexachlorobenzene												
hexachlorobutadiene												
hexachlorocyclopentadiene												
hexachloroethane												
indeno(1,2,3-cd)pyrene												
isophorone												
2-methylnaphthalene												
2-methylphenol												
4-methylphenol												
naphthalene												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	*154*	*154*	*154*	*155C*	*155C*	*155C*	*155C*	*155C*
Station ID	**340-E2**	**340-N2**	**340-S2**	**340-W**	***9I-CH1***	***9I-CH1***	***9I-CH2***	***030-FLI-040***	***030-FLI-041***	***030-FLI-042***	***030-FLI-043***	***030-FLI-048***
Sample ID	**340-E2**	**340-N2**	**340-S2**	**340-W**	***9I-CH1***	***9I-CH1-70***	***9I-CH2***	***030-FLI-040***	***030-FLI-041***	***030-FLI-042***	***030-FLI-043***	***030-FLI-048***
Sample Type	**REG**	**REG**	**REG**	**REG**	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***
Depth Interval (feet bgs)	**6–6**	**6–6**	**6–6**	**6–6**	***5–15***	***68–72***	***23–43***	***0–4.5***	***0–4.5***	***0–4.5***	***0–4.5***	***0–4***
Sample Date	**20-Jun-95**	**20-Jun-95**	**20-Jun-95**	**20-Jan-95**	***24-Jun-02***	***03-Jul-02***	***24-Jun-02***	***18-Sep-98***	***18-Sep-98***	***18-Sep-98***	***18-Sep-98***	***19-Sep-98***
Reference	**TtEMI 2004**	**TtEMI 2004**	**TtEMI 2004**	**TtEMI 2004**	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***
Semivolatile Organic Compounds (µg/kg) (cont.)												
2-nitroaniline												
3-nitroaniline												
4-nitroaniline												
nitrobenzene												
4-nitrophenol												
2-nitrophenol												
N-nitrosodimethylamine												
N-nitrosodiphenylamine												
N-nitroso-di-n-propylamine												
pentachlorophenol												
phenanthrene												
phenol												
pyrene												
1,2,4-trichlorobenzene												
2,4,5-trichlorophenol												
2,4,6-trichlorophenol												
Pesticides/Polychlorinated Biphenyls (µg/kg)												
aldrin												
Aroclor 1016												
Aroclor 1221												
Aroclor 1232												
Aroclor 1242												
Aroclor 1248												
Aroclor 1254												
Aroclor 1260												
alpha-BHC												
beta-BHC												
delta-BHC												
gamma-BHC (lindane)												
alpha-chlordane												
gamma-chlordane												
4,4´-DDD												
4,4´-DDE												
4,4´-DDT												
dieldrin												
endosulfan I												
endosulfan II												
endosulfan sulfate												
endrin												
endrin aldehyde												
endrin ketone												
heptachlor												
heptachlor epoxide												
methoxychlor												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	154	154	154	154	*154*	*154*	*154*	*155C*	*155C*	*155C*	*155C*	*155C*
Station ID	**340-E2**	**340-N2**	**340-S2**	**340-W**	***9I-CH1***	***9I-CH1***	***9I-CH2***	***030-FLI-040***	***030-FLI-041***	***030-FLI-042***	***030-FLI-043***	***030-FLI-048***
Sample ID	**340-E2**	**340-N2**	**340-S2**	**340-W**	***9I-CH1***	***9I-CH1-70***	***9I-CH2***	***030-FLI-040***	***030-FLI-041***	***030-FLI-042***	***030-FLI-043***	***030-FLI-048***
Sample Type	**REG**	**REG**	**REG**	**REG**	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***
Depth Interval (feet bgs)	**6–6**	**6–6**	**6–6**	**6–6**	***5–15***	***68–72***	***23–43***	***0–4.5***	***0–4.5***	***0–4.5***	***0–4.5***	***0–4***
Sample Date	**20-Jun-95**	**20-Jun-95**	**20-Jun-95**	**20-Jan-95**	***24-Jun-02***	***03-Jul-02***	***24-Jun-02***	***18-Sep-98***	***18-Sep-98***	***18-Sep-98***	***18-Sep-98***	***19-Sep-98***
Reference	**TtEMI 2004**	**TtEMI 2004**	**TtEMI 2004**	**TtEMI 2004**	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***
Pesticides/Polychlorinated Biphenyls (µg/kg) (cont.)												
toxaphene												
Dioxins/Furans (µg/kg)												
heptachlorodibenzo-p-dioxins												
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin												
heptachlorodibenzofurans												
1,2,3,4,6,7,8-heptachlorodibenzofuran												
1,2,3,4,7,8,9-heptachlorodibenzofuran												
hexachlorodibenzo-p-dioxins												
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin												
hexachlorodibenzofurans												
1,2,3,4,7,8-hexachlorodibenzofuran												
1,2,3,6,7,8-hexachlorodibenzofuran												
1,2,3,7,8,9-hexachlorodibenzofuran												
2,3,4,6,7,8-hexachlorodibenzofuran												
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin												
1,2,3,4,6,7,8,9-octachlorodibenzofuran												
pentachlorodibenzo-p-dioxins												
1,2,3,7,8-pentachlorodibenzo-p-dioxin												
pentachlorodibenzofurans												
1,2,3,7,8-pentachlorodibenzofuran												
2,3,4,7,8-pentachlorodibenzofuran												
tetrachlorodibenzo-p-dioxins												
2,3,7,8-tetrachlorodibenzo-p-dioxin												
tetrachlorodibenzofurans												
2,3,7,8-tetrachlorodibenzofuran												
Organotins (µg/kg)												
dibutyltin												
monobutyltin												
tetrabutyltin												
tributyltin												
Metals (mg/kg)												
aluminum					*7,350*		*6,960*					
antimony					*0.35*		*0.33*					
arsenic					*2.1*		*2.4*					
barium					*57.4*		*55.7*					
beryllium					*0.22*		*0.2*					
cadmium					*0.21*		*0.19*					
calcium					*2,610*		*2,180*					
chromium					*38.5*		*35.9*					
cobalt					*5.8*		*5.8*					
copper					*8.8*		*7.5*					
iron					*13,100*		*11,900*					

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**154**	**154**	**154**	**154**	***154***	***154***	***154***	***155C***	***155C***	***155C***	***155C***	***155C***
Station ID	**340-E2**	**340-N2**	**340-S2**	**340-W**	***9I-CH1***	***9I-CH1***	***9I-CH2***	***030-FLI-040***	***030-FLI-041***	***030-FLI-042***	***030-FLI-043***	***030-FLI-048***
Sample ID	**340-E2**	**340-N2**	**340-S2**	**340-W**	***9I-CH1***	***9I-CH1-70***	***9I-CH2***	***030-FLI-040***	***030-FLI-041***	***030-FLI-042***	***030-FLI-043***	***030-FLI-048***
Sample Type	**REG**	**REG**	**REG**	**REG**	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***
Depth Interval (feet bgs)	**6–6**	**6–6**	**6–6**	**6–6**	***5–15***	***68–72***	***23–43***	***0–4.5***	***0–4.5***	***0–4.5***	***0–4.5***	***0–4***
Sample Date	**20-Jun-95**	**20-Jun-95**	**20-Jun-95**	**20-Jan-95**	***24-Jun-02***	***03-Jul-02***	***24-Jun-02***	***18-Sep-98***	***18-Sep-98***	***18-Sep-98***	***18-Sep-98***	***19-Sep-98***
Reference	**TtEMI 2004**	**TtEMI 2004**	**TtEMI 2004**	**TtEMI 2004**	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***
Metals (mg/kg) (cont.)												
lead					*2.7*		*2.5*					
magnesium					*3,860*		*3,300*					
manganese					*148*		*138*					
mercury					*0.03 U*		*0.02 U*					
molybdenum					*0.18*		*0.12*					
nickel					*37.9*		*38.8*					
potassium					*996*		*904*					
selenium					*1.7 U*		*1.4 U*					
silver					*0.07*		*0.21 U*					
sodium					*1410*		*878*					
thallium					*2.5 U*		*2.1 U*					
titanium												
vanadium					*26.8*		*24*					
zinc					*25.7*		*21.6*					

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	155C	155C	155C	155C	155C	155C	155C	155C	155C	155C	159	159
Station ID	030-S07-005	030-S07-006	030-S07-007	030-S07-008	32EDC-12-33	32EDC-12-33	32EDC-12-33	32EDC-12-33	32EDC-12-33	37-87-MOJ	159-001-001	159-001-002
Sample ID	030-S07-005	030-S07-006	030-S07-007	030-S07-008	C032C489	C032C490	C032C491	C032C492	C032C493	37-P87Z	159-0001M	159-0002
Sample Type	REG	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0–4.5	0–4.5	0–4.5	0–4.5	0–0.5	0.5–2	0.5–2	2–4	4–8	6–6	0.5–1	0.5–1
Sample Date	17-Sep-98	18-Sep-98	18-Sep-98	19-Sep-98	23-May-02	23-May-02	23-May-02	23-May-02	23-May-02	03-Oct-97	07-Jun-95	07-Jun-95
Reference	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	TtEMI 2004	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg)												
acetone	24 UJ	11 UJ	12 UJ	100 UJ								
benzene	11 U	11 U	11 U	100 U						1 U		
bromobenzene												
bromochloromethane												
bromodichloromethane	11 U	11 U	11 U	100 U								
bromoform	11 U	11 U	11 U	100 U								
bromomethane	11 UJ	11 UJ	11 UJ	100 UJ								
2-butanone	11 UJ	11 UJ	11 UJ	100 UJ								
n-butylbenzene												
sec-butylbenzene												
tert-butylbenzene												
carbon disulfide	11 U	11 U	11 U	100 U								
carbon tetrachloride	11 U	11 U	11 U	100 U								
chlorobenzene	11 U	11 U	11 U	100 U								
chlorodibromomethane	11 U	11 U	11 U	100 U								
chloroethane	11 U	11 U	11 U	100 UJ								
2-chloroethylvinyl ether												
chloroform	11 U	11 U	11 U	100 U								
chloromethane	11 U	11 U	11 U	100 UJ								
2-chlorotoluene												
4-chlorotoluene												
1,2-dibromo-3-chloropropane												
1,2-dibromoethane												
dibromomethane												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
dichlorodifluoromethane												
1,1-dichloroethane	11 U	11 U	11 U	100 U								
1,2-dichloroethane	11 U	11 U	11 U	100 U								
1,1-dichloroethene	11 U	11 U	11 U	100 U								
cis-1,2-dichloroethene												
trans-1,2-dichloroethene												
1,2-dichloroethene	11 U	11 U	11 U	100 U								
1,2-dichloropropane	11 U	11 U	11 U	100 U								
1,3-dichloropropane												
sec-dichloropropane												
1,1-dichloropropene												
cis-1,3-dichloropropene	11 U	11 U	11 U	100 U								
trans-1,3-dichloropropene	11 U	11 U	11 U	100 U								
ethylbenzene	11 U	11 U	11 U	100 U						1 U		
hexachlorobutadiene												
n-hexane												
2-hexanone	11 UJ	11 UJ	11 UJ	100 U								

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	155C	155C	155C	155C	155C	155C	155C	155C	155C	155C	159	159
Station ID	030-S07-005	030-S07-006	030-S07-007	030-S07-008	32EDC-12-33	32EDC-12-33	32EDC-12-33	32EDC-12-33	32EDC-12-33	37-87-MOJ	159-001-001	159-001-002
Sample ID	030-S07-005	030-S07-006	030-S07-007	030-S07-008	C032C489	C032C490	C032C491	C032C492	C032C493	37-P87Z	159-0001M	159-0002
Sample Type	REG	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0–4.5	0–4.5	0–4.5	0–4.5	0–0.5	0.5–2	0.5–2	2–4	4–8	6–6	0.5–1	0.5–1
Sample Date	17-Sep-98	18-Sep-98	18-Sep-98	19-Sep-98	23-May-02	23-May-02	23-May-02	23-May-02	23-May-02	03-Oct-97	07-Jun-95	07-Jun-95
Reference	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	TtEMI 2004	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg) (cont.)												
isopropylbenzene												
p-isopropyltoluene												
methyl tert-butyl ether										50 U		
methylene chloride	11 UJ	11 UJ	11 UJ	100 UJ								
4-methyl-2-pentanone	11	11 U	11 U	100 U								
naphthalene												
n-propylbenzene												
styrene	11 U	11 U	11 U	100 U								
1,1,1,2-tetrachloroethane												
1,1,2,2-tetrachloroethane	11 U	11 U	11 U	100 U								
tetrachloroethene	11 U	11 U	11 U	100 U								
toluene	11 U	11 U	11 U	100 U						1 U		
1,2,3-trichlorobenzene												
1,2,4-trichlorobenzene												
1,1,1-trichloroethane	11 U	11 U	11 U	100 U								
1,1,2-trichloroethane	11 U	11 U	11 U	100 U								
trichloroethene	11 U	11 U	11 U	100 U								
trichlorofluoromethane												
1,2,3-trichloropropane												
1,2,4-trimethylbenzene												
1,3,5-trimethylbenzene												
vinyl acetate												
vinyl chloride	11 U	11 U	11 U	100 U								
meta-,para-xylene												
m-, p-xylene												
o-xylene												
xylenes, total	11 U	11 U	11 U	100 U						2 U		
Petroleum Hydrocarbons (µg/kg)												
diesel	11,000 U	11,000 U	11,000 U	77,000 J						5,000 U	1,000 U	11,000 U
gasoline	1,200 J	540 U	540 U	2,000,000 J						200 U	500 U	500 U
jet fuel #5 (JP5)										10,000 U		
JP-5	82,000 J	11,000 U	33,000 J	10,000 U								
motor oil	20,000 J	11,000 U	210,000 J	10,000 U							26,000 U	22,000 U
Semivolatile Organic Compounds (µg/kg)												
acenaphthene	14 J	36 U	71 U	170	5.4 U	1.5 J	4.6 J	5.3 UJ	6 U			
acenaphthylene	35 U	36 U	71 U	35 U	2.6 J	5.4 U	2 J	5.3 UJ	6 U			
aniline												
anthracene	35 U	36 U	71 U	110	3.3 J	6 J	20 J	1.5 J	6 UJ			
benz(a)anthracene	10 J	36 U	33 J	44	25 J	36 J	63 J	12 J	1.6 J			
benzidine												
benzo(b)fluoranthene	35 U	36 U	58 J	30 J	32 J	26 J	55 J	30 J	2.8 J			
benzo(k)fluoranthene	35 U	36 U	27 J	9 J	35 J	27 J	48 J	15 J	2.2 J			
benzoic acid												
benzo(g,h,i)perylene	11 J	36 U		35 U	64 J	26 J	38 J	14 J	5.9 J			

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	***155C***	***155C***	***155C***	***155C***	***155C***	***155C***	***155C***	***155C***	***155C***	***155C***	**159**	**159**
Station ID	***030-S07-005***	***030-S07-006***	***030-S07-007***	***030-S07-008***	***32EDC-12-33***	***32EDC-12-33***	***32EDC-12-33***	***32EDC-12-33***	***32EDC-12-33***	***37-87-MOJ***	**159-001-001**	**159-001-002**
Sample ID	***030-S07-005***	***030-S07-006***	***030-S07-007***	***030-S07-008***	***C032C489***	***C032C490***	***C032C491***	***C032C492***	***C032C493***	***37-P87Z***	**159-0001M**	**159-0002**
Sample Type	***REG***	***REG***	***REG***	***REG***	***REG***	***REG***	***FD***	***REG***	***REG***	***REG***	**REG**	**REG**
Depth Interval (feet bgs)	***0–4.5***	***0–4.5***	***0–4.5***	***0–4.5***	***0–0.5***	***0.5–2***	***0.5–2***	***2–4***	***4–8***	***6–6***	**0.5–1**	**0.5–1**
Sample Date	***17-Sep-98***	***18-Sep-98***	***18-Sep-98***	***19-Sep-98***	***23-May-02***	***23-May-02***	***23-May-02***	***23-May-02***	***23-May-02***	***03-Oct-97***	**07-Jun-95**	**07-Jun-95**
Reference	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***TtEMI 2004***	***BEI 2003***	***BEI 2003***	***BEI 2003***	***BEI 2003***	***BEI 2003***	***TtEMI 2004***	**IT 2001**	**IT 2001**
Semivolatile Organic Compounds (µg/kg) (cont.)												
benzo(a)pyrene	*11 J*	*36 U*	*32 J*	*15 J*	*44 J*	*28 J*	*65 J*	*19 J*	*4.9 J*			
benzyl alcohol												
bis(2-chloroethoxy)methane	*35 U*	*36 U*	*71 U*	*35 U*								
bis(2-chloroethyl)ether	*35 U*	*36 U*	*71 U*	*35 U*								
bis(2-chloro-1-methylethyl)ether	*35 U*	*36 U*	*71 U*	*35 U*								
bis(2-ethylhexyl)phthalate	*13 UJ*	*14 U*	*27 UJ*	*35 UJ*								
4-bromophenyl phenyl ether	*35 U*	*36 U*	*71 U*	*35 U*								
butyl benzyl phthalate	*35 U*	*36 U*	*71 U*	*35 U*								
carbazole	*35 U*	*36 U*	*71 U*	*10 J*								
4-chloroaniline	*35 UJ*	*36 UJ*	*71 U*	*35 U*								
4-chloro-3-methylphenol	*35 U*	*36 U*	*71 U*	*35 U*								
2-chloronaphthalene	*35 U*	*36 U*	*71 U*	*35 U*								
2-chlorophenol	*35 U*	*36 U*	*71 U*	*35 U*								
4-chlorophenyl phenyl ether	*35 U*	*36 U*	*71 U*	*35 U*								
chrysene	*23 J*	*36 U*	*39 J*	*30 J*	*28 J*	*45 J*	*100 J*	*38 J*	*1.3 J*			
dibenz(a,h)anthracene	*35 U*	*36 U*		*35 U*	*8.9 J*	*14 J*	*21 J*	*5.3 UJ*	*6 UJ*			
di-n-butyl phthalate	*35 U*	*36 U*	*71 U*	*35 UJ*								
dibenzofuran	*35 U*	*36 U*	*71 U*	*69*								
1,2-dichlorobenzene	*17 U*	*17 U*	*35 U*	*17 U*								
1,3-dichlorobenzene	*17 U*	*17 U*	*35 U*	*17 U*								
1,4-dichlorobenzene	*17 U*	*17 U*	*35 U*	*17 U*								
3,3'-dichlorobenzidine	*35 U*	*36 U*	*71 U*	*35 U*								
2,4-dichlorophenol	*35 U*	*36 U*	*71 U*	*35 U*								
diethyl phthalate	*35 U*	*36 U*	*71 U*	*35 U*								
2,4-dimethylphenol	*35 U*	*36 U*	*71 U*	*35 U*								
dimethyl phthalate	*35 U*	*36 U*	*71 U*	*35 U*								
4,6-dinitro-2-methylphenol	*85 U*	*87 U*	*170 UJ*	*84 U*								
2,4-dinitrophenol	*85 UJ*	*87 UJ*	*170 UJ*	*84 U*								
2,4-dinitrotoluene	*35 U*	*36 U*	*71 U*	*35 U*								
2,6-dinitrotoluene	*35 U*	*36 U*	*71 U*	*35 U*								
di-n-octyl phthalate	*35 U*	*36 U*		*35 UJ*								
1,2-diphenylhydrazine												
fluoranthene	*42*	*36 U*	*51 J*	*260*	*38 J*	*43 J*	*110 J*	*18 J*	*0.48 J*			
fluorene	*10 J*	*36 U*	*71 U*	*180*	*5.4 U*	*1.5 J*	*4.8 J*	*5.3 UJ*	*6 U*			
hexachlorobenzene	*35 U*	*36 U*	*71 U*	*35 U*								
hexachlorobutadiene	*35 U*	*36 U*	*71 U*	*35 U*								
hexachlorocyclopentadiene	*35 U*	*36 U*	*71 U*	*35 UJ*								
hexachloroethane	*35 U*	*36 U*	*71 U*	*35 U*								
indeno(1,2,3-cd)pyrene	*11 J*	*36 U*		*35 U*	*53 J*	*18 J*	*37 J*	*8.7 J*	*6 J*			
isophorone	*35 U*	*36 U*	*71 U*	*35 U*								
2-methylnaphthalene	*35 U*	*36 U*	*71 U*	*250*	*1 J*	*1.2 J*	*1.7 J*	*0.87 J*	*0.49 J*			
2-methylphenol	*35 U*	*36 U*	*71 U*	*35 U*								
4-methylphenol	*35 U*	*36 U*	*71 U*	*35 U*								
naphthalene	*35 U*	*36 U*	*71 U*	*180*	*2.5 J*	*0.79 J*	*1.5 J*	*0.96 J*	*0.93 J*			

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	155C	155C	155C	155C	155C	155C	155C	155C	155C	155C	159	159
Station ID	030-S07-005	030-S07-006	030-S07-007	030-S07-008	32EDC-12-33	32EDC-12-33	32EDC-12-33	32EDC-12-33	32EDC-12-33	37-87-MOJ	159-001-001	159-001-002
Sample ID	030-S07-005	030-S07-006	030-S07-007	030-S07-008	C032C489	C032C490	C032C491	C032C492	C032C493	37-P87Z	159-0001M	159-0002
Sample Type	REG	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0–4.5	0–4.5	0–4.5	0–4.5	0–0.5	0.5–2	0.5–2	2–4	4–8	6–6	0.5–1	0.5–1
Sample Date	17-Sep-98	18-Sep-98	18-Sep-98	19-Sep-98	23-May-02	23-May-02	23-May-02	23-May-02	23-May-02	03-Oct-97	07-Jun-95	07-Jun-95
Reference	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	TtEMI 2004	IT 2001	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)												
2-nitroaniline	85 U	87 U	170 U	84 U								
3-nitroaniline	85 UJ	87 UJ	170 U	84 UJ								
4-nitroaniline	85 U	87 U	170 U	84 U								
nitrobenzene	35 U	36 U	71 U	35 U								
4-nitrophenol	85 U	87 U	170 U	84 U								
2-nitrophenol	35 U	36 U	71 U	35 U								
N-nitrosodimethylamine												
N-nitrosodiphenylamine	35 U	36 U	71 U	35 U								
N-nitroso-di-n-propylamine	35 U	36 U	71 U	35 U								
pentachlorophenol	85 U	87 U	170 U	84 U								
phenanthrene	39	36 U	42 J	500	13 J	16 J	56 J	6 J	0.45 J			
phenol	35 U	36 U	71 U	35 U								
pyrene	56	36 U	78	170	53 J	49 J	99 J	30 J	3.7 J			
1,2,4-trichlorobenzene	35 U	36 U	71 U	35 U								
2,4,5-trichlorophenol	85 U	87 U	170 U	84 U								
2,4,6-trichlorophenol	35 U	36 U	71 U	35 U								
Pesticides/Polychlorinated Biphenyls (µg/kg)												
aldrin												
Aroclor 1016												
Aroclor 1221												
Aroclor 1232												
Aroclor 1242												
Aroclor 1248												
Aroclor 1254												
Aroclor 1260												
alpha-BHC												
beta-BHC												
delta-BHC												
gamma-BHC (lindane)												
alpha-chlordane												
gamma-chlordane												
4,4´-DDD												
4,4´-DDE												
4,4´-DDT												
dieldrin												
endosulfan I												
endosulfan II												
endosulfan sulfate												
endrin												
endrin aldehyde												
endrin ketone												
heptachlor												
heptachlor epoxide												
methoxychlor												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	155C	155C	155C	155C	155C	155C	155C	155C	155C	155C	159	159
Station ID	030-S07-005	030-S07-006	030-S07-007	030-S07-008	32EDC-12-33	32EDC-12-33	32EDC-12-33	32EDC-12-33	32EDC-12-33	37-87-MOJ	159-001-001	159-001-002
Sample ID	030-S07-005	030-S07-006	030-S07-007	030-S07-008	C032C489	C032C490	C032C491	C032C492	C032C493	37-P87Z	159-0001M	159-0002
Sample Type	REG	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0–4.5	0–4.5	0–4.5	0–4.5	0–0.5	0.5–2	0.5–2	2–4	4–8	6–6	0.5–1	0.5–1
Sample Date	17-Sep-98	18-Sep-98	18-Sep-98	19-Sep-98	23-May-02	23-May-02	23-May-02	23-May-02	23-May-02	03-Oct-97	07-Jun-95	07-Jun-95
Reference	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	TtEMI 2004	IT 2001	IT 2001
Pesticides/Polychlorinated Biphenyls (µg/kg) (cont.)												
toxaphene												
Dioxins/Furans (µg/kg)												
heptachlorodibenzo-p-dioxins												
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin												
heptachlorodibenzofurans												
1,2,3,4,6,7,8-heptachlorodibenzofuran												
1,2,3,4,7,8,9-heptachlorodibenzofuran												
hexachlorodibenzo-p-dioxins												
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin												
hexachlorodibenzofurans												
1,2,3,4,7,8-hexachlorodibenzofuran												
1,2,3,6,7,8-hexachlorodibenzofuran												
1,2,3,7,8,9-hexachlorodibenzofuran												
2,3,4,6,7,8-hexachlorodibenzofuran												
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin												
1,2,3,4,6,7,8,9-octachlorodibenzofuran												
pentachlorodibenzo-p-dioxins												
1,2,3,7,8-pentachlorodibenzo-p-dioxin												
pentachlorodibenzofurans												
1,2,3,7,8-pentachlorodibenzofuran												
2,3,4,7,8-pentachlorodibenzofuran												
tetrachlorodibenzo-p-dioxins												
2,3,7,8-tetrachlorodibenzo-p-dioxin												
tetrachlorodibenzofurans												
2,3,7,8-tetrachlorodibenzofuran												
Organotins (µg/kg)												
dibutyltin												
monobutyltin												
tetrabutyltin												
tributyltin												
Metals (mg/kg)												
aluminum	*6,390*	*4,470*	*5,650*	*4,250*								
antimony	*0.4 U*	*0.41 U*	*0.5 J*	*0.4 U*								
arsenic	*1.7 J*	*2 J*	*1.9 J*	*1.8 UJ*								
barium	*104*	*16.5 J*	*27.8 J*	*21.4 J*								
beryllium	*0.042 U*	*0.044 U*	*0.043 U*	*0.042 U*								
cadmium	*0.042 U*	*0.044 U*	*0.043 U*	*0.042 U*								
calcium	*2,510*	*1,490*	*2,930*	*1,810*								
chromium	*25.8*	*29*	*34.3*	*31.2 J*								
cobalt	*6.2 J*	*5 J*	*6.4 J*	*5 J*								
copper	*20 J*	*5.7 J*	*8.3 J*	*5.1 J*								
iron	*13,800*	*8,490*	*10,900*	*8,320*								

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	*155C*	*155C*	*155C*	*155C*	*155C*	*155C*	*155C*	*155C*	*155C*	*155C*	**159**	**159**
Station ID	*030-S07-005*	*030-S07-006*	*030-S07-007*	*030-S07-008*	*32EDC-12-33*	*32EDC-12-33*	*32EDC-12-33*	*32EDC-12-33*	*32EDC-12-33*	*37-87-MOJ*	**159-001-001**	**159-001-002**
Sample ID	*030-S07-005*	*030-S07-006*	*030-S07-007*	*030-S07-008*	*C032C489*	*C032C490*	*C032C491*	*C032C492*	*C032C493*	*37-P87Z*	**159-0001M**	**159-0002**
Sample Type	*REG*	*REG*	*REG*	*REG*	*REG*	*REG*	*FD*	*REG*	*REG*	*REG*	**REG**	**REG**
Depth Interval (feet bgs)	*0–4.5*	*0–4.5*	*0–4.5*	*0–4.5*	*0–0.5*	*0.5–2*	*0.5–2*	*2–4*	*4–8*	*6–6*	**0.5–1**	**0.5–1**
Sample Date	*17-Sep-98*	*18-Sep-98*	*18-Sep-98*	*19-Sep-98*	*23-May-02*	*23-May-02*	*23-May-02*	*23-May-02*	*23-May-02*	*03-Oct-97*	**07-Jun-95**	**07-Jun-95**
Reference	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*TtEMI 2004*	*BEI 2003*	*BEI 2003*	*BEI 2003*	*BEI 2003*	*BEI 2003*	*TtEMI 2004*	**IT 2001**	**IT 2001**
Metals (mg/kg) (cont.)												
lead	*7.4 J*	*7 J*	*5.6 J*	*7.9*								
magnesium	*3,510*	*2,350*	*3,420*	*2,240*								
manganese	*202*	*82*	*315*	*97.8*								
mercury	*0.14*	*0.13*	*0.25*	*0.1 U*								
molybdenum	*0.21 U*	*0.22 U*	*0.22 U*	*0.21 U*								
nickel	*21.6*	*24.9*	*29.5*	*25.5 J*								
potassium	*549 J*	*638 J*	*542 J*	*521 J*								
selenium	*0.34 U*	*0.35 U*	*0.35 U*	*0.34 U*								
silver	*0.085 U*	*0.087 U*	*0.086 U*	*0.084 U*								
sodium	*25 U*	*801 J*	*25.5 U*	*24.8 U*								
thallium	*0.38 U*	*0.39 U*	*0.39 U*	*0.38 U*								
titanium												
vanadium	*25.4*	*18.3*	*23.3*	*18.7 J*								
zinc	*22.3*	*17.9*	*22*	*17.6 J*								

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	159	159	159	159	159	159	159	159	159	159
Station ID	159-001-002	159-002-004	159-002-004	159-SN-001	159-SN-001	159-Z19-005	159-Z19-006	160-SN-001	160-SN-001	160-SN-001	160-SN-001	32EDC-12-1
Sample ID	159-0002M	159-0004	159-0004M	159S-001	159S-001M	159-0005M	159-0006M	160S-001	160S-001M	160S-011	160S-011M	C032C349
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	FD	FD	REG
Depth Interval (feet bgs)	0.5–1	4–4.5	4–4.5	3–4	3–4	1–1.5	2–2.5	3–4	3–4	3–4	3–4	0–0.5
Sample Date	07-Jun-95	07-Jun-95	07-Jun-95	13-Feb-95	13-Feb-95	07-Jun-95	29-Jun-95	13-Feb-95	13-Feb-95	13-Feb-95	13-Feb-95	21-May-02
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	BEI 2003
Volatile Organic Compounds (µg/kg)												
acetone												
benzene					10 U				10 U		10 U	
bromobenzene												
bromochloromethane												
bromodichloromethane												
bromoform												
bromomethane												
2-butanone					10 U				10 U		10 U	
n-butylbenzene												
sec-butylbenzene												
tert-butylbenzene												
carbon disulfide												
carbon tetrachloride												
chlorobenzene												
chlorodibromomethane												
chloroethane												
2-chloroethylvinyl ether												
chloroform												
chloromethane												
2-chlorotoluene												
4-chlorotoluene												
1,2-dibromo-3-chloropropane												
1,2-dibromoethane												
dibromomethane												
1,2-dichlorobenzene												
1,3-dichlorobenzene				350 U		350 U	3,600 U	380 U		370 U		
1,4-dichlorobenzene				350 U		350 U	3,600 U	380 U		370 U		
dichlorodifluoromethane												
1,1-dichloroethane												
1,2-dichloroethane					10 U				10 U		10 U	
1,1-dichloroethene					10 U				10 U		10 U	
cis-1,2-dichloroethene					10 U				10 U		10 U	
trans-1,2-dichloroethene					10 U				10 U		10 U	
1,2-dichloroethene												
1,2-dichloropropane												
1,3-dichloropropane												
sec-dichloropropane												
1,1-dichloropropene												
cis-1,3-dichloropropene												
trans-1,3-dichloropropene												
ethylbenzene					10 U				10 U		10 U	
hexachlorobutadiene												
n-hexane					20 U				20 U		20 U	
2-hexanone												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	159	159	159	159	159	159	159	159	159	159
Station ID	159-001-002	159-002-004	159-002-004	159-SN-001	159-SN-001	159-Z19-005	159-Z19-006	160-SN-001	160-SN-001	160-SN-001	160-SN-001	32EDC-12-1
Sample ID	159-0002M	159-0004	159-0004M	159S-001	159S-001M	159-0005M	159-0006M	160S-001	160S-001M	160S-011	160S-011M	C032C349
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	FD	FD	REG
Depth Interval (feet bgs)	0.5–1	4–4.5	4–4.5	3–4	3–4	1–1.5	2–2.5	3–4	3–4	3–4	3–4	0–0.5
Sample Date	07-Jun-95	07-Jun-95	07-Jun-95	13-Feb-95	13-Feb-95	07-Jun-95	29-Jun-95	13-Feb-95	13-Feb-95	13-Feb-95	13-Feb-95	21-May-02
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	BEI 2003
Volatile Organic Compounds (µg/kg) (cont.)												
isopropylbenzene												
p-isopropyltoluene												
methyl tert-butyl ether												
methylene chloride					10 U				10 U		10 U	
4-methyl-2-pentanone												
naphthalene												
n-propylbenzene												
styrene												
1,1,1,2-tetrachloroethane												
1,1,2,2-tetrachloroethane												
tetrachloroethene					10 U				10 U		10 U	
toluene					10 U				10 U		10 U	
1,2,3-trichlorobenzene												
1,2,4-trichlorobenzene				350 U		350 U	3,600 U	380 U		370 U		
1,1,1-trichloroethane					10 U				10 U		10 U	
1,1,2-trichloroethane												
trichloroethene					10 U				10 U		10 U	
trichlorofluoromethane												
1,2,3-trichloropropane												
1,2,4-trimethylbenzene												
1,3,5-trimethylbenzene												
vinyl acetate												
vinyl chloride					10 U				10 U		10 U	
meta-,para-xylene					20 U				20 U		20 U	
m-, p-xylene												
o-xylene					10 U				10 U		10 U	
xylenes, total												
Petroleum Hydrocarbons (µg/kg)												
diesel	5,000 U	10,000 U	1,000 U		50,000 U	7,000	1,100 U		50,000 U		50,000 U	
gasoline	500 U	500 U	500 U		50,000 U	500 U	540 U		50,000 U		50,000 U	
jet fuel #5 (JP5)												
JP-5												
motor oil	140,000 U	21,000 U	26,000 U			32,000	510,000					
Semivolatile Organic Compounds (µg/kg)												
acenaphthene												5.5 UJ
acenaphthylene												5.5 UJ
aniline						350 U	3,600 U					
anthracene												0.65 J
benz(a)anthracene												2.5 J
benzidine						350 U	3,600 U					
benzo(b)fluoranthene												2.8 J
benzo(k)fluoranthene												2.7 J
benzoic acid												
benzo(g,h,i)perylene												8.1 J

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	159	159	159	159	159	159	159	159	159	159
Station ID	159-001-002	159-002-004	159-002-004	159-SN-001	159-SN-001	159-Z19-005	159-Z19-006	160-SN-001	160-SN-001	160-SN-001	160-SN-001	32EDC-12-1
Sample ID	159-0002M	159-0004	159-0004M	159S-001	159S-001M	159-0005M	159-0006M	160S-001	160S-001M	160S-011	160S-011M	C032C349
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	FD	FD	REG
Depth Interval (feet bgs)	0.5–1	4–4.5	4–4.5	3–4	3–4	1–1.5	2–2.5	3–4	3–4	3–4	3–4	0–0.5
Sample Date	07-Jun-95	07-Jun-95	07-Jun-95	13-Feb-95	13-Feb-95	07-Jun-95	29-Jun-95	13-Feb-95	13-Feb-95	13-Feb-95	13-Feb-95	21-May-02
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	BEI 2003
Semivolatile Organic Compounds (µg/kg) (cont.)												
benzo(a)pyrene												4 J
benzyl alcohol						350 U	3,600 U					
bis(2-chloroethoxy)methane				350 U		350 U	3,600 U	380 U		370 U		
bis(2-chloroethyl)ether				350 U		350 U	3,600 U	380 U		370 U		
bis(2-chloro-1-methylethyl)ether				350 U			3,600 U	380 U		370 U		
bis(2-ethylhexyl)phthalate				350 U		350 U	3,600 U	23 J		26 J		
4-bromophenyl phenyl ether				350 U		350 U	3,600 U	380 U		370 U		
butyl benzyl phthalate				350 U		350 U	3,600 U	380 U		370 U		
carbazole				350 U				380 U		370 U		
4-chloroaniline				350 U		350 U	3,600 U	380 U		370 U		
4-chloro-3-methylphenol				350 U		350 U	3,600 U	380 U		370 U		
2-chloronaphthalene				350 U		350 U	3,600 U	380 U		370 U		
2-chlorophenol				350 U		350 U	3,600 U	380 U		370 U		
4-chlorophenyl phenyl ether				350 U		350 U	3,600 U	380 U		370 U		
chrysene												6.1 J
dibenz(a,h)anthracene												1.5 J
di-n-butyl phthalate				110 J		350 U	3,600 U	100 J		120 J		
dibenzofuran				350 U		350 U	3,600 U	380 U		370 U		
1,2-dichlorobenzene				350 U		350 U	3,600 U	380 U		370 U		
1,3-dichlorobenzene												
1,4-dichlorobenzene												
3,3'-dichlorobenzidine				350 U		1,800 U	18,000 U	380 U		370 U		
2,4-dichlorophenol				350 U		350 U	3,600 U	380 U		370 U		
diethyl phthalate				350 U		350 U	3,600 U	380 U		380		
2,4-dimethylphenol				350 U		350 U	3,600 U	380 U		370 U		
dimethyl phthalate				350 U		350 U	3,600 U	380 U		370 U		
4,6-dinitro-2-methylphenol				850 U		1,800 U	18,000 U	930 U		890 U		
2,4-dinitrophenol				850 U		1,800 U	18,000 U	930 U		890 U		
2,4-dinitrotoluene				350 U		350 U	3,600 U	380 U		370 U		
2,6-dinitrotoluene				350 U		350 U	3,600 U	380 U		370 U		
di-n-octyl phthalate				350 U		350 U	3,600 U	380 U		370 U		
1,2-diphenylhydrazine												
fluoranthene												3.4 J
fluorene												5.5 UJ
hexachlorobenzene				350 U		350 U	3,600 U	380 U		370 U		
hexachlorobutadiene				350 U		350 U	3,600 U	380 U		370 U		
hexachlorocyclopentadiene				350 U		350 U	3,600 U	380 U		370 U		
hexachloroethane				350 U		350 U	3,600 U	380 U		370 U		
indeno(1,2,3-cd)pyrene												4 J
isophorone				350 U		350 U	3,600 U	380 U		370 U		
2-methylnaphthalene												2 J
2-methylphenol				350 U		350 U	3,600 U	380 U		370 U		
4-methylphenol				350 U		350 U	3,600 U	380 U		370 U		
naphthalene												2.7 J

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	159	159	159	159	159	159	159	159	159	159
Station ID	159-001-002	159-002-004	159-002-004	159-SN-001	159-SN-001	159-Z19-005	159-Z19-006	160-SN-001	160-SN-001	160-SN-001	160-SN-001	32EDC-12-1
Sample ID	159-0002M	159-0004	159-0004M	159S-001	159S-001M	159-0005M	159-0006M	160S-001	160S-001M	160S-011	160S-011M	C032C349
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	FD	FD	REG
Depth Interval (feet bgs)	0.5–1	4–4.5	4–4.5	3–4	3–4	1–1.5	2–2.5	3–4	3–4	3–4	3–4	0–0.5
Sample Date	07-Jun-95	07-Jun-95	07-Jun-95	13-Feb-95	13-Feb-95	07-Jun-95	29-Jun-95	13-Feb-95	13-Feb-95	13-Feb-95	13-Feb-95	21-May-02
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	BEI 2003
Semivolatile Organic Compounds (µg/kg) (cont.)												
2-nitroaniline				850 U		1,800 U	18,000 U	930 U		890 U		
3-nitroaniline				850 U		1,800 U	18,000 U	930 U		890 U		
4-nitroaniline				850 U		1,800 U	18,000 U	930 U		890 U		
nitrobenzene				350 U		350 U	3,600 U	380 U		370 U		
4-nitrophenol				850 U		1,800 U	18,000 U	930 U		890 U		
2-nitrophenol				350 U		1,800 U	18,000 U	380 U		370 U		
N-nitrosodimethylamine						350 U	3,600 U					
N-nitrosodiphenylamine				350 U		350 U	3,600 U	380 U		370 U		
N-nitroso-di-n-propylamine				350 U		350 U	3,600 U	380 U		370 U		
pentachlorophenol				850 U		1,800 U	18,000 U	930 U		890 U		
phenanthrene												3.8 J
phenol				350 U		350 U	3,600 U	380 U		370 U		
pyrene												3.7 J
1,2,4-trichlorobenzene												
2,4,5-trichlorophenol				850 U		1,800 U	18,000 U	930 U		890 U		
2,4,6-trichlorophenol				350 U		350 U	3,600 U	380 U		370 U		
Pesticides/Polychlorinated Biphenyls (µg/kg)												
aldrin												
Aroclor 1016						21 U	22 U					
Aroclor 1221						21 U	22 U					
Aroclor 1232						21 U	22 U					
Aroclor 1242						21 U	22 U					
Aroclor 1248						21 U	22 U					
Aroclor 1254						21 U	22 U					
Aroclor 1260						21 U	22 U					
alpha-BHC												
beta-BHC												
delta-BHC												
gamma-BHC (lindane)												
alpha-chlordane												
gamma-chlordane												
4,4´-DDD												
4,4´-DDE												
4,4´-DDT												
dieldrin												
endosulfan I												
endosulfan II												
endosulfan sulfate												
endrin												
endrin aldehyde												
endrin ketone												
heptachlor												
heptachlor epoxide												
methoxychlor												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	159	159	159	159	159	159	159	159	159	159
Station ID	159-001-002	159-002-004	159-002-004	159-SN-001	159-SN-001	159-Z19-005	159-Z19-006	160-SN-001	160-SN-001	160-SN-001	160-SN-001	32EDC-12-1
Sample ID	159-0002M	159-0004	159-0004M	159S-001	159S-001M	159-0005M	159-0006M	160S-001	160S-001M	160S-011	160S-011M	C032C349
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	FD	FD	REG
Depth Interval (feet bgs)	0.5–1	4–4.5	4–4.5	3–4	3–4	1–1.5	2–2.5	3–4	3–4	3–4	3–4	0–0.5
Sample Date	07-Jun-95	07-Jun-95	07-Jun-95	13-Feb-95	13-Feb-95	07-Jun-95	29-Jun-95	13-Feb-95	13-Feb-95	13-Feb-95	13-Feb-95	21-May-02
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	BEI 2003
Pesticides/Polychlorinated Biphenyls (µg/kg) (cont.)												
toxaphene												
Dioxins/Furans (µg/kg)												
heptachlorodibenzo-p-dioxins												
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin												
heptachlorodibenzofurans												
1,2,3,4,6,7,8-heptachlorodibenzofuran												
1,2,3,4,7,8,9-heptachlorodibenzofuran												
hexachlorodibenzo-p-dioxins												
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin												
hexachlorodibenzofurans												
1,2,3,4,7,8-hexachlorodibenzofuran												
1,2,3,6,7,8-hexachlorodibenzofuran												
1,2,3,7,8,9-hexachlorodibenzofuran												
2,3,4,6,7,8-hexachlorodibenzofuran												
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin												
1,2,3,4,6,7,8,9-octachlorodibenzofuran												
pentachlorodibenzo-p-dioxins												
1,2,3,7,8-pentachlorodibenzo-p-dioxin												
pentachlorodibenzofurans												
1,2,3,7,8-pentachlorodibenzofuran												
2,3,4,7,8-pentachlorodibenzofuran												
tetrachlorodibenzo-p-dioxins												
2,3,7,8-tetrachlorodibenzo-p-dioxin												
tetrachlorodibenzofurans												
2,3,7,8-tetrachlorodibenzofuran												
Organotins (µg/kg)												
dibutyltin												
monobutyltin												
tetrabutyltin												
tributyltin												
Metals (mg/kg)												
aluminum												
antimony												
arsenic												
barium												
beryllium												
cadmium												
calcium												
chromium												
cobalt												
copper												
iron												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**
Station ID	**159-001-002**	**159-002-004**	**159-002-004**	**159-SN-001**	**159-SN-001**	**159-Z19-005**	**159-Z19-006**	**160-SN-001**	**160-SN-001**	**160-SN-001**	**160-SN-001**	**32EDC-12-1**
Sample ID	**159-0002M**	**159-0004**	**159-0004M**	**159S-001**	**159S-001M**	**159-0005M**	**159-0006M**	**160S-001**	**160S-001M**	**160S-011**	**160S-011M**	**C032C349**
Sample Type	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**FD**	**FD**	**REG**
Depth Interval (feet bgs)	**0.5–1**	**4–4.5**	**4–4.5**	**3–4**	**3–4**	**1–1.5**	**2–2.5**	**3–4**	**3–4**	**3–4**	**3–4**	**0–0.5**
Sample Date	**07-Jun-95**	**07-Jun-95**	**07-Jun-95**	**13-Feb-95**	**13-Feb-95**	**07-Jun-95**	**29-Jun-95**	**13-Feb-95**	**13-Feb-95**	**13-Feb-95**	**13-Feb-95**	**21-May-02**
Reference	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**BEI 2003**
Metals (mg/kg) (cont.)												
lead						1.5	3.9					
magnesium												
manganese												
mercury												
molybdenum												
nickel												
potassium												
selenium												
silver												
sodium												
thallium												
titanium												
vanadium												
zinc												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	159	159	159	159	159	159	159	159	159	159
Station ID	32EDC-12-1	32EDC-12-1	32EDC-12-1	32EDC-12-11	32EDC-12-11	32EDC-12-11	32EDC-12-11	32EDC-12-12	32EDC-12-12	32EDC-12-12	32EDC-12-12	32EDC-12-19
Sample ID	C032C350	C032C351	C032C352	C032C393	C032C394	C032C395	C032C396	C032C397	C032C398	C032C399	C032C400	C032C428
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5
Sample Date	21-May-02	21-May-02	21-May-02	20-May-02	20-May-02	20-May-02	20-May-02	17-May-02	17-May-02	17-May-02	17-May-02	20-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Volatile Organic Compounds (µg/kg)												
acetone												
benzene												
bromobenzene												
bromochloromethane												
bromodichloromethane												
bromoform												
bromomethane												
2-butanone												
n-butylbenzene												
sec-butylbenzene												
tert-butylbenzene												
carbon disulfide												
carbon tetrachloride												
chlorobenzene												
chlorodibromomethane												
chloroethane												
2-chloroethylvinyl ether												
chloroform												
chloromethane												
2-chlorotoluene												
4-chlorotoluene												
1,2-dibromo-3-chloropropane												
1,2-dibromoethane												
dibromomethane												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
dichlorodifluoromethane												
1,1-dichloroethane												
1,2-dichloroethane												
1,1-dichloroethene												
cis-1,2-dichloroethene												
trans-1,2-dichloroethene												
1,2-dichloroethene												
1,2-dichloropropane												
1,3-dichloropropane												
sec-dichloropropane												
1,1-dichloropropene												
cis-1,3-dichloropropene												
trans-1,3-dichloropropene												
ethylbenzene												
hexachlorobutadiene												
n-hexane												
2-hexanone												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	159	159	159	159	159	159	159	159	159	159
Station ID	32EDC-12-1	32EDC-12-1	32EDC-12-1	32EDC-12-11	32EDC-12-11	32EDC-12-11	32EDC-12-11	32EDC-12-12	32EDC-12-12	32EDC-12-12	32EDC-12-12	32EDC-12-19
Sample ID	C032C350	C032C351	C032C352	C032C393	C032C394	C032C395	C032C396	C032C397	C032C398	C032C399	C032C400	C032C428
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5
Sample Date	21-May-02	21-May-02	21-May-02	20-May-02	20-May-02	20-May-02	20-May-02	17-May-02	17-May-02	17-May-02	17-May-02	20-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Volatile Organic Compounds (µg/kg) (cont.)												
isopropylbenzene												
p-isopropyltoluene												
methyl tert-butyl ether												
methylene chloride												
4-methyl-2-pentanone												
naphthalene												
n-propylbenzene												
styrene												
1,1,1,2-tetrachloroethane												
1,1,2,2-tetrachloroethane												
tetrachloroethene												
toluene												
1,2,3-trichlorobenzene												
1,2,4-trichlorobenzene												
1,1,1-trichloroethane												
1,1,2-trichloroethane												
trichloroethene												
trichlorofluoromethane												
1,2,3-trichloropropane												
1,2,4-trimethylbenzene												
1,3,5-trimethylbenzene												
vinyl acetate												
vinyl chloride												
meta-,para-xylene												
m-, p-xylene												
o-xylene												
xylenes, total												
Petroleum Hydrocarbons (µg/kg)												
diesel												
gasoline												
jet fuel #5 (JP5)												
JP-5												
motor oil												
Semivolatile Organic Compounds (µg/kg)												
acenaphthene	5.3 U	5.3 U	5.4 U	5.5 UJ	5.4 UJ	5.3 UJ	5.5 UJ	100 U	5.2 U	26 U	5.3 U	5.6 U
acenaphthylene	5.3 U	5.3 U	5.4 U	5.5 UJ	5.4 UJ	5.3 UJ	5.5 UJ	100 U	5.2 U	26 U	5.3 U	1.5 J
aniline												
anthracene	0.45 J	5.3 UJ	5.4 UJ	5.5 UJ	5.4 UJ	5.3 UJ	5.5 UJ	100 U	5.2 U	26 U	5.3 U	4 J
benz(a)anthracene	2.8 J	0.51 J	5.4 U	1.8 J	0.38 J	0.38 J	5.5 UJ	100 UJ	5.2 UJ	26 UJ	5.3 UJ	16
benzidine												
benzo(b)fluoranthene	2.2 J	5.3 U	5.4 U	2 J	5.4 UJ	5.3 UJ	5.5 UJ	100 U	5.2 U	26 U	5.3 U	26
benzo(k)fluoranthene	2.3 J	5.3 U	5.4 U	1.6 J	5.4 UJ	5.3 UJ	5.5 UJ	100 U	5.2 U	26 U	5.3 U	27
benzoic acid												
benzo(g,h,i)perylene	2.8 J	0.42 J	5.4 U	1.3 J	0.48 J	0.36 J	5.5 UJ	56 J	2.7 J	6.7 J	0.85 J	32

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	159	159	159	159	159	159	159	159	159	159
Station ID	32EDC-12-1	32EDC-12-1	32EDC-12-1	32EDC-12-11	32EDC-12-11	32EDC-12-11	32EDC-12-11	32EDC-12-12	32EDC-12-12	32EDC-12-12	32EDC-12-12	32EDC-12-19
Sample ID	C032C350	C032C351	C032C352	C032C393	C032C394	C032C395	C032C396	C032C397	C032C398	C032C399	C032C400	C032C428
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5
Sample Date	21-May-02	21-May-02	21-May-02	20-May-02	20-May-02	20-May-02	20-May-02	17-May-02	17-May-02	17-May-02	17-May-02	20-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Semivolatile Organic Compounds (µg/kg) (cont.)												
benzo(a)pyrene	2.7 J	5.3 U	5.4 U	2.1 J	0.59 J	0.53 J	0.48 J	30 J	1.4 J	2.4 J	0.77 J	21
benzyl alcohol												
bis(2-chloroethoxy)methane												
bis(2-chloroethyl)ether												
bis(2-chloro-1-methylethyl)ether												
bis(2-ethylhexyl)phthalate												
4-bromophenyl phenyl ether												
butyl benzyl phthalate												
carbazole												
4-chloroaniline												
4-chloro-3-methylphenol												
2-chloronaphthalene												
2-chlorophenol												
4-chlorophenyl phenyl ether												
chrysene	2.7 J	0.41 J	5.4 U	2.2 J	0.46 J	0.4 J	5.5 UJ	100 U	5.2 U	26 U	5.3 U	30
dibenz(a,h)anthracene	0.57 J	5.3 U	5.4 U	0.63 J	5.4 UJ	5.3 UJ	5.5 UJ	100 U	5.2 U	26 U	5.3 U	4 J
di-n-butyl phthalate												
dibenzofuran												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
3,3'-dichlorobenzidine												
2,4-dichlorophenol												
diethyl phthalate												
2,4-dimethylphenol												
dimethyl phthalate												
4,6-dinitro-2-methylphenol												
2,4-dinitrophenol												
2,4-dinitrotoluene												
2,6-dinitrotoluene												
di-n-octyl phthalate												
1,2-diphenylhydrazine												
fluoranthene	3.2 J	5.3 U	5.4 UJ	2 J	0.55 J	0.4 J	0.62 J	100 U	5.2 U	26 U	0.72 J	33
fluorene	5.3 U	5.3 U	5.4 U	5.5 UJ	5.4 UJ	5.3 UJ	5.5 UJ	100 U	5.2 U	26 U	5.3 U	5.6 U
hexachlorobenzene												
hexachlorobutadiene												
hexachlorocyclopentadiene												
hexachloroethane												
indeno(1,2,3-cd)pyrene	2.9 J	5.3 U	5.4 U	1.7 J	5.4 UJ	5.3 UJ	5.5 UJ	100 U	5.2 U	26 U	5.3 U	17
isophorone												
2-methylnaphthalene	0.63 J	5.3 U	5.4 U	5.5 UJ	5.4 UJ	5.3 UJ	5.5 UJ	100 U	5.2 U	26 U	5.3 U	5.6 U
2-methylphenol												
4-methylphenol												
naphthalene	0.58 J	5.3 U	5.4 U	5.5 UJ	5.4 UJ	5.3 UJ	5.5 UJ	100 U	5.2 U	26 U	5.3 U	5.6 U

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	159	159	159	159	159	159	159	159	159	159
Station ID	32EDC-12-1	32EDC-12-1	32EDC-12-1	32EDC-12-11	32EDC-12-11	32EDC-12-11	32EDC-12-11	32EDC-12-12	32EDC-12-12	32EDC-12-12	32EDC-12-12	32EDC-12-19
Sample ID	C032C350	C032C351	C032C352	C032C393	C032C394	C032C395	C032C396	C032C397	C032C398	C032C399	C032C400	C032C428
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5
Sample Date	21-May-02	21-May-02	21-May-02	20-May-02	20-May-02	20-May-02	20-May-02	17-May-02	17-May-02	17-May-02	17-May-02	20-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Semivolatile Organic Compounds (µg/kg) (cont.)												
2-nitroaniline												
3-nitroaniline												
4-nitroaniline												
nitrobenzene												
4-nitrophenol												
2-nitrophenol												
N-nitrosodimethylamine												
N-nitrosodiphenylamine												
N-nitroso-di-n-propylamine												
pentachlorophenol												
phenanthrene	2.1 J	0.55 J	5.4 UJ	1.3 J	0.47 J	0.42 J	0.57 J	100 UJ	5.2 UJ	26 UJ	5.3 UJ	12
phenol												
pyrene	4 J	5.3 U	5.4 UJ	2 J	0.68 J	0.46 J	0.71 J	39 J	1.3 J	4.4 J	1 J	37
1,2,4-trichlorobenzene												
2,4,5-trichlorophenol												
2,4,6-trichlorophenol												
Pesticides/Polychlorinated Biphenyls (µg/kg)												
aldrin												
Aroclor 1016												
Aroclor 1221												
Aroclor 1232												
Aroclor 1242												
Aroclor 1248												
Aroclor 1254												
Aroclor 1260												
alpha-BHC												
beta-BHC												
delta-BHC												
gamma-BHC (lindane)												
alpha-chlordane												
gamma-chlordane												
4,4´-DDD												
4,4´-DDE												
4,4´-DDT												
dieldrin												
endosulfan I												
endosulfan II												
endosulfan sulfate												
endrin												
endrin aldehyde												
endrin ketone												
heptachlor												
heptachlor epoxide												
methoxychlor												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	159	159	159	159	159	159	159	159	159	159
Station ID	32EDC-12-1	32EDC-12-1	32EDC-12-1	32EDC-12-11	32EDC-12-11	32EDC-12-11	32EDC-12-11	32EDC-12-12	32EDC-12-12	32EDC-12-12	32EDC-12-12	32EDC-12-19
Sample ID	C032C350	C032C351	C032C352	C032C393	C032C394	C032C395	C032C396	C032C397	C032C398	C032C399	C032C400	C032C428
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5
Sample Date	21-May-02	21-May-02	21-May-02	20-May-02	20-May-02	20-May-02	20-May-02	17-May-02	17-May-02	17-May-02	17-May-02	20-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Pesticides/Polychlorinated Biphenyls (µg/kg) (cont.)												
toxaphene												
Dioxins/Furans (µg/kg)												
heptachlorodibenzo-p-dioxins												
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin												
heptachlorodibenzofurans												
1,2,3,4,6,7,8-heptachlorodibenzofuran												
1,2,3,4,7,8,9-heptachlorodibenzofuran												
hexachlorodibenzo-p-dioxins												
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin												
hexachlorodibenzofurans												
1,2,3,4,7,8-hexachlorodibenzofuran												
1,2,3,6,7,8-hexachlorodibenzofuran												
1,2,3,7,8,9-hexachlorodibenzofuran												
2,3,4,6,7,8-hexachlorodibenzofuran												
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin												
1,2,3,4,6,7,8,9-octachlorodibenzofuran												
pentachlorodibenzo-p-dioxins												
1,2,3,7,8-pentachlorodibenzo-p-dioxin												
pentachlorodibenzofurans												
1,2,3,7,8-pentachlorodibenzofuran												
2,3,4,7,8-pentachlorodibenzofuran												
tetrachlorodibenzo-p-dioxins												
2,3,7,8-tetrachlorodibenzo-p-dioxin												
tetrachlorodibenzofurans												
2,3,7,8-tetrachlorodibenzofuran												
Organotins (µg/kg)												
dibutyltin												
monobutyltin												
tetrabutyltin												
tributyltin												
Metals (mg/kg)												
aluminum												
antimony												
arsenic												
barium												
beryllium												
cadmium												
calcium												
chromium												
cobalt												
copper												
iron												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**
Station ID	**32EDC-12-1**	**32EDC-12-1**	**32EDC-12-1**	**32EDC-12-11**	**32EDC-12-11**	**32EDC-12-11**	**32EDC-12-11**	**32EDC-12-12**	**32EDC-12-12**	**32EDC-12-12**	**32EDC-12-12**	**32EDC-12-19**
Sample ID	**C032C350**	**C032C351**	**C032C352**	**C032C393**	**C032C394**	**C032C395**	**C032C396**	**C032C397**	**C032C398**	**C032C399**	**C032C400**	**C032C428**
Sample Type	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
Depth Interval (feet bgs)	**0.5–2**	**2–4**	**4–8**	**0–0.5**	**0.5–2**	**2–4**	**4–8**	**0–0.5**	**0.5–2**	**2–4**	**4–8**	**0–0.5**
Sample Date	**21-May-02**	**21-May-02**	**21-May-02**	**20-May-02**	**20-May-02**	**20-May-02**	**20-May-02**	**17-May-02**	**17-May-02**	**17-May-02**	**17-May-02**	**20-May-02**
Reference	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**
Metals (mg/kg) (cont.)												
lead												
magnesium												
manganese												
mercury												
molybdenum												
nickel												
potassium												
selenium												
silver												
sodium												
thallium												
titanium												
vanadium												
zinc												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	159	159	159	159	159	159	159	159	159	159
Station ID	32EDC-12-19	32EDC-12-19	32EDC-12-19	32EDC-12-20	32EDC-12-20	32EDC-12-20	32EDC-12-20	32EDC-12-20	32EDC-12-3	32EDC-12-3	32EDC-12-3	32EDC-12-3
Sample ID	C032C429	C032C430	C032C431	C032C432	C032C433	C032C434	C032C435	C032C436	C032C357	C032C358	C032C359	C032C360
Sample Type	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG	FD	REG
Depth Interval (feet bgs)	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	4–8	0–0.5	0.5–2	0.5–2	2–4
Sample Date	20-May-02	20-May-02	20-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Volatile Organic Compounds (µg/kg)												
acetone												
benzene												
bromobenzene												
bromochloromethane												
bromodichloromethane												
bromoform												
bromomethane												
2-butanone												
n-butylbenzene												
sec-butylbenzene												
tert-butylbenzene												
carbon disulfide												
carbon tetrachloride												
chlorobenzene												
chlorodibromomethane												
chloroethane												
2-chloroethylvinyl ether												
chloroform												
chloromethane												
2-chlorotoluene												
4-chlorotoluene												
1,2-dibromo-3-chloropropane												
1,2-dibromoethane												
dibromomethane												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
dichlorodifluoromethane												
1,1-dichloroethane												
1,2-dichloroethane												
1,1-dichloroethene												
cis-1,2-dichloroethene												
trans-1,2-dichloroethene												
1,2-dichloroethene												
1,2-dichloropropane												
1,3-dichloropropane												
sec-dichloropropane												
1,1-dichloropropene												
cis-1,3-dichloropropene												
trans-1,3-dichloropropene												
ethylbenzene												
hexachlorobutadiene												
n-hexane												
2-hexanone												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	159	159	159	159	159	159	159	159	159	159
Station ID	32EDC-12-19	32EDC-12-19	32EDC-12-19	32EDC-12-20	32EDC-12-20	32EDC-12-20	32EDC-12-20	32EDC-12-20	32EDC-12-3	32EDC-12-3	32EDC-12-3	32EDC-12-3
Sample ID	C032C429	C032C430	C032C431	C032C432	C032C433	C032C434	C032C435	C032C436	C032C357	C032C358	C032C359	C032C360
Sample Type	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG	FD	REG
Depth Interval (feet bgs)	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	4–8	0–0.5	0.5–2	0.5–2	2–4
Sample Date	20-May-02	20-May-02	20-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Volatile Organic Compounds (µg/kg) (cont.)												
isopropylbenzene												
p-isopropyltoluene												
methyl tert-butyl ether												
methylene chloride												
4-methyl-2-pentanone												
naphthalene												
n-propylbenzene												
styrene												
1,1,1,2-tetrachloroethane												
1,1,2,2-tetrachloroethane												
tetrachloroethene												
toluene												
1,2,3-trichlorobenzene												
1,2,4-trichlorobenzene												
1,1,1-trichloroethane												
1,1,2-trichloroethane												
trichloroethene												
trichlorofluoromethane												
1,2,3-trichloropropane												
1,2,4-trimethylbenzene												
1,3,5-trimethylbenzene												
vinyl acetate												
vinyl chloride												
meta-,para-xylene												
m-, p-xylene												
o-xylene												
xylenes, total												
Petroleum Hydrocarbons (µg/kg)												
diesel												
gasoline												
jet fuel #5 (JP5)												
JP-5												
motor oil												
Semivolatile Organic Compounds (µg/kg)												
acenaphthene	5.5 U	5.7 U	5.9 U	5.2 U	5.2 U	5.2 U	5.7 U	5.8 U	110 U	5.3 U	5.2 U	5.3 U
acenaphthylene	5.5 U	5.7 U	5.9 U	5.2 U	5.2 U	5.2 U	5.7 U	5.8 U	110 U	5.3 U	5.2 U	5.3 U
aniline												
anthracene	5.5 U	5.7 U	5.9 U	5.2 U	5.2 U	5.2 U	5.7 U	5.8 U	110 U	5.3 U	5.2 U	5.3 U
benz(a)anthracene	1.5 J	5.7 U	5.9 U	52 U	5.2 U	5.2 U	5.7 U	5.8 U	110 U	1.6 J	1.2 J	0.39 J
benzidine												
benzo(b)fluoranthene	2.3 J	1.5 J	5.9 U	52 U	2.5 J	4.9 J	5.7 U	5.8 U	11 J	3.5 J	2 J	1.8 J
benzo(k)fluoranthene	5.5 U	5.7 U	5.9 U	52 U	5.2 U	5.2 U	5.7 U	5.8 U	8.4 J	1.6 J	1.9 J	1.3 J
benzoic acid												
benzo(g,h,i)perylene	2.8 J	5.7 U	5.9 U	41 J	5.2 J	9.3	5.7 U	5.8 U	48 J	5.8	2.9 J	2.9 J

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	159	159	159	159	159	159	159	159	159	159
Station ID	32EDC-12-19	32EDC-12-19	32EDC-12-19	32EDC-12-20	32EDC-12-20	32EDC-12-20	32EDC-12-20	32EDC-12-20	32EDC-12-3	32EDC-12-3	32EDC-12-3	32EDC-12-3
Sample ID	C032C429	C032C430	C032C431	C032C432	C032C433	C032C434	C032C435	C032C436	C032C357	C032C358	C032C359	C032C360
Sample Type	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG	FD	REG
Depth Interval (feet bgs)	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	4–8	0–0.5	0.5–2	0.5–2	2–4
Sample Date	20-May-02	20-May-02	20-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Semivolatile Organic Compounds (µg/kg) (cont.)												
benzo(a)pyrene	5.5 U	5.7 U	5.9 U	6 J	5.2 U	2.8 J	5.7 U	5.8 U	15 J	3.2 J	2.2 J	1.8 J
benzyl alcohol												
bis(2-chloroethoxy)methane												
bis(2-chloroethyl)ether												
bis(2-chloro-1-methylethyl)ether												
bis(2-ethylhexyl)phthalate												
4-bromophenyl phenyl ether												
butyl benzyl phthalate												
carbazole												
4-chloroaniline												
4-chloro-3-methylphenol												
2-chloronaphthalene												
2-chlorophenol												
4-chlorophenyl phenyl ether												
chrysene	5.5 U	5.7 U	5.9 U	13 J	3.7 J	7	5.7 U	5.8 U	13 J	4.8 J	3.2 J	3.1 J
dibenz(a,h)anthracene	5.5 U	5.7 U	5.9 U	9.1 J	5.2 U	2.2 J	5.7 U	5.8 U	8.7 J	1.2 J	0.82 J	5.3 U
di-n-butyl phthalate												
dibenzofuran												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
3,3'-dichlorobenzidine												
2,4-dichlorophenol												
diethyl phthalate												
2,4-dimethylphenol												
dimethyl phthalate												
4,6-dinitro-2-methylphenol												
2,4-dinitrophenol												
2,4-dinitrotoluene												
2,6-dinitrotoluene												
di-n-octyl phthalate												
1,2-diphenylhydrazine												
fluoranthene	2.6 J	5.7 U	5.9 U	5.2 U	5.2 U	5.2 U	5.7 U	5.8 U	110 U	1.5 J	1.7 J	0.58 J
fluorene	5.5 U	5.7 U	5.9 U	5.2 U	5.2 U	5.2 U	5.7 U	5.8 U	110 U	5.3 U	5.2 U	5.3 U
hexachlorobenzene												
hexachlorobutadiene												
hexachlorocyclopentadiene												
hexachloroethane												
indeno(1,2,3-cd)pyrene	3 J	1.6 J	0.88 J	4.4 J	1.2 J	1.2 J	5.7 U	5.8 U	110 U	2 J	5.2 U	5.3 U
isophorone												
2-methylnaphthalene	5.5 U	5.7 U	5.9 U	5.2 U	5.2 U	5.2 U	5.7 U	5.8 U	110 U	0.58 J	5.2 U	5.3 U
2-methylphenol												
4-methylphenol												
naphthalene	5.5 U	5.7 U	5.9 U	5.2 U	5.2 U	5.2 U	5.7 U	5.8 U	110 U	0.44 J	0.34 J	5.3 U

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	159	159	159	159	159	159	159	159	159	159
Station ID	32EDC-12-19	32EDC-12-19	32EDC-12-19	32EDC-12-20	32EDC-12-20	32EDC-12-20	32EDC-12-20	32EDC-12-20	32EDC-12-3	32EDC-12-3	32EDC-12-3	32EDC-12-3
Sample ID	C032C429	C032C430	C032C431	C032C432	C032C433	C032C434	C032C435	C032C436	C032C357	C032C358	C032C359	C032C360
Sample Type	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG	FD	REG
Depth Interval (feet bgs)	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	4–8	0–0.5	0.5–2	0.5–2	2–4
Sample Date	20-May-02	20-May-02	20-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Semivolatile Organic Compounds (µg/kg) (cont.)												
2-nitroaniline												
3-nitroaniline												
4-nitroaniline												
nitrobenzene												
4-nitrophenol												
2-nitrophenol												
N-nitrosodimethylamine												
N-nitrosodiphenylamine												
N-nitroso-di-n-propylamine												
pentachlorophenol												
phenanthrene	5.5 U	5.7 U	5.9 U	5.2 U	5.2 U	1.7 J	5.7 U	5.8 U	110 U	2.6 J	1.6 J	1.4 J
phenol												
pyrene	3 J	1.7 J	5.9 U	3.2 J	2 J	2.3 J	5.7 U	5.8 U	110 U	2.2 J	2.1 J	1.3 J
1,2,4-trichlorobenzene												
2,4,5-trichlorophenol												
2,4,6-trichlorophenol												
Pesticides/Polychlorinated Biphenyls (µg/kg)												
aldrin												
Aroclor 1016												
Aroclor 1221												
Aroclor 1232												
Aroclor 1242												
Aroclor 1248												
Aroclor 1254												
Aroclor 1260												
alpha-BHC												
beta-BHC												
delta-BHC												
gamma-BHC (lindane)												
alpha-chlordane												
gamma-chlordane												
4,4´-DDD												
4,4´-DDE												
4,4´-DDT												
dieldrin												
endosulfan I												
endosulfan II												
endosulfan sulfate												
endrin												
endrin aldehyde												
endrin ketone												
heptachlor												
heptachlor epoxide												
methoxychlor												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	159	159	159	159	159	159	159	159	159	159
Station ID	32EDC-12-19	32EDC-12-19	32EDC-12-19	32EDC-12-20	32EDC-12-20	32EDC-12-20	32EDC-12-20	32EDC-12-20	32EDC-12-3	32EDC-12-3	32EDC-12-3	32EDC-12-3
Sample ID	C032C429	C032C430	C032C431	C032C432	C032C433	C032C434	C032C435	C032C436	C032C357	C032C358	C032C359	C032C360
Sample Type	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG	FD	REG
Depth Interval (feet bgs)	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	4–8	0–0.5	0.5–2	0.5–2	2–4
Sample Date	20-May-02	20-May-02	20-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Pesticides/Polychlorinated Biphenyls (µg/kg) (cont.)												
toxaphene												
Dioxins/Furans (µg/kg)												
heptachlorodibenzo-p-dioxins												
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin												
heptachlorodibenzofurans												
1,2,3,4,6,7,8-heptachlorodibenzofuran												
1,2,3,4,7,8,9-heptachlorodibenzofuran												
hexachlorodibenzo-p-dioxins												
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin												
hexachlorodibenzofurans												
1,2,3,4,7,8-hexachlorodibenzofuran												
1,2,3,6,7,8-hexachlorodibenzofuran												
1,2,3,7,8,9-hexachlorodibenzofuran												
2,3,4,6,7,8-hexachlorodibenzofuran												
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin												
1,2,3,4,6,7,8,9-octachlorodibenzofuran												
pentachlorodibenzo-p-dioxins												
1,2,3,7,8-pentachlorodibenzo-p-dioxin												
pentachlorodibenzofurans												
1,2,3,7,8-pentachlorodibenzofuran												
2,3,4,7,8-pentachlorodibenzofuran												
tetrachlorodibenzo-p-dioxins												
2,3,7,8-tetrachlorodibenzo-p-dioxin												
tetrachlorodibenzofurans												
2,3,7,8-tetrachlorodibenzofuran												
Organotins (µg/kg)												
dibutyltin												
monobutyltin												
tetrabutyltin												
tributyltin												
Metals (mg/kg)												
aluminum												
antimony												
arsenic												
barium												
beryllium												
cadmium												
calcium												
chromium												
cobalt												
copper												
iron												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**
Station ID	**32EDC-12-19**	**32EDC-12-19**	**32EDC-12-19**	**32EDC-12-20**	**32EDC-12-20**	**32EDC-12-20**	**32EDC-12-20**	**32EDC-12-20**	**32EDC-12-3**	**32EDC-12-3**	**32EDC-12-3**	**32EDC-12-3**
Sample ID	**C032C429**	**C032C430**	**C032C431**	**C032C432**	**C032C433**	**C032C434**	**C032C435**	**C032C436**	**C032C357**	**C032C358**	**C032C359**	**C032C360**
Sample Type	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**FD**	**REG**	**REG**	**FD**	**REG**
Depth Interval (feet bgs)	**0.5–2**	**2–4**	**4–8**	**0–0.5**	**0.5–2**	**2–4**	**4–8**	**4–8**	**0–0.5**	**0.5–2**	**0.5–2**	**2–4**
Sample Date	**20-May-02**	**20-May-02**	**20-May-02**	**17-May-02**	**17-May-02**	**17-May-02**	**17-May-02**	**17-May-02**	**17-May-02**	**17-May-02**	**17-May-02**	**17-May-02**
Reference	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**
Metals (mg/kg) (cont.)												
lead												
magnesium												
manganese												
mercury												
molybdenum												
nickel												
potassium												
selenium												
silver												
sodium												
thallium												
titanium												
vanadium												
zinc												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	159	159	159	159	159	159	159	159	159	159
Station ID	32EDC-12-3	32EDC-12-4	32EDC-12-4	32EDC-12-4	32EDC-12-4	32EDC-12-7	32EDC-12-7	32EDC-12-7	32EDC-12-7	32EDC-12-8	32EDC-12-8	32EDC-12-8
Sample ID	C032C361	C032C362	C032C363	C032C364	C032C365	C032C375	C032C376	C032C377	C032C378	C032C379	C032C380	C032C381
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	FD
Depth Interval (feet bgs)	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	0.5–2
Sample Date	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Volatile Organic Compounds (µg/kg)												
acetone												
benzene												
bromobenzene												
bromochloromethane												
bromodichloromethane												
bromoform												
bromomethane												
2-butanone												
n-butylbenzene												
sec-butylbenzene												
tert-butylbenzene												
carbon disulfide												
carbon tetrachloride												
chlorobenzene												
chlorodibromomethane												
chloroethane												
2-chloroethylvinyl ether												
chloroform												
chloromethane												
2-chlorotoluene												
4-chlorotoluene												
1,2-dibromo-3-chloropropane												
1,2-dibromoethane												
dibromomethane												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
dichlorodifluoromethane												
1,1-dichloroethane												
1,2-dichloroethane												
1,1-dichloroethene												
cis-1,2-dichloroethene												
trans-1,2-dichloroethene												
1,2-dichloroethene												
1,2-dichloropropane												
1,3-dichloropropane												
sec-dichloropropane												
1,1-dichloropropene												
cis-1,3-dichloropropene												
trans-1,3-dichloropropene												
ethylbenzene												
hexachlorobutadiene												
n-hexane												
2-hexanone												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	159	159	159	159	159	159	159	159	159	159
Station ID	32EDC-12-3	32EDC-12-4	32EDC-12-4	32EDC-12-4	32EDC-12-4	32EDC-12-7	32EDC-12-7	32EDC-12-7	32EDC-12-7	32EDC-12-8	32EDC-12-8	32EDC-12-8
Sample ID	C032C361	C032C362	C032C363	C032C364	C032C365	C032C375	C032C376	C032C377	C032C378	C032C379	C032C380	C032C381
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	FD
Depth Interval (feet bgs)	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	0.5–2
Sample Date	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Volatile Organic Compounds (µg/kg) (cont.)												
isopropylbenzene												
p-isopropyltoluene												
methyl tert-butyl ether												
methylene chloride												
4-methyl-2-pentanone												
naphthalene												
n-propylbenzene												
styrene												
1,1,1,2-tetrachloroethane												
1,1,2,2-tetrachloroethane												
tetrachloroethene												
toluene												
1,2,3-trichlorobenzene												
1,2,4-trichlorobenzene												
1,1,1-trichloroethane												
1,1,2-trichloroethane												
trichloroethene												
trichlorofluoromethane												
1,2,3-trichloropropane												
1,2,4-trimethylbenzene												
1,3,5-trimethylbenzene												
vinyl acetate												
vinyl chloride												
meta-,para-xylene												
m-, p-xylene												
o-xylene												
xylenes, total												
Petroleum Hydrocarbons (µg/kg)												
diesel												
gasoline												
jet fuel #5 (JP5)												
JP-5												
motor oil												
Semivolatile Organic Compounds (µg/kg)												
acenaphthene	5.4 U	5.4 U	5.3 U	2.6 J	5.2 U	5.2 U	5.2 U	5.4 U	5.6 U	100 U	5.3 U	5.3 U
acenaphthylene	5.4 U	5.4 U	5.3 U	5.3 U	5.2 U	5.2 U	5.2 U	5.4 U	5.6 U	100 U	5.3 U	5.3 U
aniline												
anthracene	5.4 U	5.4 U	5.3 U	3.9 J	5.2 U	5.2 U	5.2 U	5.4 U	5.6 U	100 U	5.3 U	1.3 J
benz(a)anthracene	5.4 U	5.3 J	5.3 U	12	5.2 U	52 U	6.2	1.9 J	1.5 J	32 J	3.6 J	3.5 J
benzidine												
benzo(b)fluoranthene	5.4 U	20 J	5.3 U	7.7	5.2 U	4.8 J	8.7	4.8 J	2.1 J	53 J	6.7	4.8 J
benzo(k)fluoranthene	5.4 U	54 U	5.3 U	9.8	5.2 U	52 U	6	54 U	5.6 U	27 J	7.3	5.4
benzoic acid												
benzo(g,h,i)perylene	5.4 U	73	8.3	6.9	5.2 U	64	8.6	33 J	4.1 J	67 J	7.3	5 J

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	159	159	159	159	159	159	159	159	159	159
Station ID	32EDC-12-3	32EDC-12-4	32EDC-12-4	32EDC-12-4	32EDC-12-4	32EDC-12-7	32EDC-12-7	32EDC-12-7	32EDC-12-7	32EDC-12-8	32EDC-12-8	32EDC-12-8
Sample ID	C032C361	C032C362	C032C363	C032C364	C032C365	C032C375	C032C376	C032C377	C032C378	C032C379	C032C380	C032C381
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	FD
Depth Interval (feet bgs)	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	0.5–2
Sample Date	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Semivolatile Organic Compounds (µg/kg) (cont.)												
benzo(a)pyrene	5.4 U	14 J	5.3 U	12	5.2 U	3.2 J	8.7	5.1 J	2.7 J	27 J	7.8	6.5
benzyl alcohol												
bis(2-chloroethoxy)methane												
bis(2-chloroethyl)ether												
bis(2-chloro-1-methylethyl)ether												
bis(2-ethylhexyl)phthalate												
4-bromophenyl phenyl ether												
butyl benzyl phthalate												
carbazole												
4-chloroaniline												
4-chloro-3-methylphenol												
2-chloronaphthalene												
2-chlorophenol												
4-chlorophenyl phenyl ether												
chrysene	5.4 U	38 J	2.6 J	17	5.2 U	7.3 J	15	11 J	5.6 U	210	14	13
dibenz(a,h)anthracene	5.4 U	14 J	5.3 U	5.3 U	5.2 U	7.6 J	2.5 J	4.9 J	5.6 U	42 J	2.3 J	2.6 J
di-n-butyl phthalate												
dibenzofuran												
1,2-dichlorobenzene												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
3,3'-dichlorobenzidine												
2,4-dichlorophenol												
diethyl phthalate												
2,4-dimethylphenol												
dimethyl phthalate												
4,6-dinitro-2-methylphenol												
2,4-dinitrophenol												
2,4-dinitrotoluene												
2,6-dinitrotoluene												
di-n-octyl phthalate												
1,2-diphenylhydrazine												
fluoranthene	5.4 U	4.1 J	5.3 U	27	5.2 U	1.5 J	11	2.8 J	3.8 J	23 J	6.1	6
fluorene	5.4 U	5.4 U	5.3 U	1.4 J	5.2 U	5.2 U	5.2 U	5.4 U	5.6 U	100 U	5.3 U	5.3 U
hexachlorobenzene												
hexachlorobutadiene												
hexachlorocyclopentadiene												
hexachloroethane												
indeno(1,2,3-cd)pyrene	5.4 U	8.2 J	0.89 J	6.3	5.2 U	6.8 J	3.8 J	8.8 J	3.1 J	39 J	5.9	4.5 J
isophorone												
2-methylnaphthalene	5.4 U	5.4 U	5.3 U	5.3 U	5.2 U	5.2 U	5.2 U	5.4 U	5.6 U	100 U	0.32 J	0.38 J
2-methylphenol												
4-methylphenol												
naphthalene	5.4 U	5.4 U	5.3 U	5.3 U	5.2 U	5.2 U	5.2 U	5.4 U	5.6 U	100 U	0.68 J	0.53 J

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	159	159	159	159	159	159	159	159	159	159
Station ID	32EDC-12-3	32EDC-12-4	32EDC-12-4	32EDC-12-4	32EDC-12-4	32EDC-12-7	32EDC-12-7	32EDC-12-7	32EDC-12-7	32EDC-12-8	32EDC-12-8	32EDC-12-8
Sample ID	C032C361	C032C362	C032C363	C032C364	C032C365	C032C375	C032C376	C032C377	C032C378	C032C379	C032C380	C032C381
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	FD
Depth Interval (feet bgs)	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	0.5–2
Sample Date	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Semivolatile Organic Compounds (µg/kg) (cont.)												
2-nitroaniline												
3-nitroaniline												
4-nitroaniline												
nitrobenzene												
4-nitrophenol												
2-nitrophenol												
N-nitrosodimethylamine												
N-nitrosodiphenylamine												
N-nitroso-di-n-propylamine												
pentachlorophenol												
phenanthrene	5.4 U	3.5 J	5.3 U	19	5.2 U	1.5 J	7.8	2.1 J	5.6 U	350	21	18
phenol												
pyrene	5.4 U	11 J	5.3 U	28	5.2 U	6 J	13	7.1 J	4.7 J	94 J	12	10
1,2,4-trichlorobenzene												
2,4,5-trichlorophenol												
2,4,6-trichlorophenol												
Pesticides/Polychlorinated Biphenyls (µg/kg)												
aldrin												
Aroclor 1016												
Aroclor 1221												
Aroclor 1232												
Aroclor 1242												
Aroclor 1248												
Aroclor 1254												
Aroclor 1260												
alpha-BHC												
beta-BHC												
delta-BHC												
gamma-BHC (lindane)												
alpha-chlordane												
gamma-chlordane												
4,4´-DDD												
4,4´-DDE												
4,4´-DDT												
dieldrin												
endosulfan I												
endosulfan II												
endosulfan sulfate												
endrin												
endrin aldehyde												
endrin ketone												
heptachlor												
heptachlor epoxide												
methoxychlor												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	159	159	159	159	159	159	159	159	159	159
Station ID	32EDC-12-3	32EDC-12-4	32EDC-12-4	32EDC-12-4	32EDC-12-4	32EDC-12-7	32EDC-12-7	32EDC-12-7	32EDC-12-7	32EDC-12-8	32EDC-12-8	32EDC-12-8
Sample ID	C032C361	C032C362	C032C363	C032C364	C032C365	C032C375	C032C376	C032C377	C032C378	C032C379	C032C380	C032C381
Sample Type	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	FD
Depth Interval (feet bgs)	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	2–4	4–8	0–0.5	0.5–2	0.5–2
Sample Date	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02	17-May-02
Reference	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003	BEI 2003
Pesticides/Polychlorinated Biphenyls (µg/kg) (cont.)												
toxaphene												
Dioxins/Furans (µg/kg)												
heptachlorodibenzo-p-dioxins												
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin												
heptachlorodibenzofurans												
1,2,3,4,6,7,8-heptachlorodibenzofuran												
1,2,3,4,7,8,9-heptachlorodibenzofuran												
hexachlorodibenzo-p-dioxins												
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin												
hexachlorodibenzofurans												
1,2,3,4,7,8-hexachlorodibenzofuran												
1,2,3,6,7,8-hexachlorodibenzofuran												
1,2,3,7,8,9-hexachlorodibenzofuran												
2,3,4,6,7,8-hexachlorodibenzofuran												
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin												
1,2,3,4,6,7,8,9-octachlorodibenzofuran												
pentachlorodibenzo-p-dioxins												
1,2,3,7,8-pentachlorodibenzo-p-dioxin												
pentachlorodibenzofurans												
1,2,3,7,8-pentachlorodibenzofuran												
2,3,4,7,8-pentachlorodibenzofuran												
tetrachlorodibenzo-p-dioxins												
2,3,7,8-tetrachlorodibenzo-p-dioxin												
tetrachlorodibenzofurans												
2,3,7,8-tetrachlorodibenzofuran												
Organotins (µg/kg)												
dibutyltin												
monobutyltin												
tetrabutyltin												
tributyltin												
Metals (mg/kg)												
aluminum												
antimony												
arsenic												
barium												
beryllium												
cadmium												
calcium												
chromium												
cobalt												
copper												
iron												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**
Station ID	**32EDC-12-3**	**32EDC-12-4**	**32EDC-12-4**	**32EDC-12-4**	**32EDC-12-4**	**32EDC-12-7**	**32EDC-12-7**	**32EDC-12-7**	**32EDC-12-7**	**32EDC-12-8**	**32EDC-12-8**	**32EDC-12-8**
Sample ID	**C032C361**	**C032C362**	**C032C363**	**C032C364**	**C032C365**	**C032C375**	**C032C376**	**C032C377**	**C032C378**	**C032C379**	**C032C380**	**C032C381**
Sample Type	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**FD**
Depth Interval (feet bgs)	**4–8**	**0–0.5**	**0.5–2**	**2–4**	**4–8**	**0–0.5**	**0.5–2**	**2–4**	**4–8**	**0–0.5**	**0.5–2**	**0.5–2**
Sample Date	**17-May-02**	**17-May-02**	**17-May-02**	**17-May-02**	**17-May-02**	**17-May-02**	**17-May-02**	**17-May-02**	**17-May-02**	**17-May-02**	**17-May-02**	**17-May-02**
Reference	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**
Metals (mg/kg) (cont.)												
lead												
magnesium												
manganese												
mercury												
molybdenum												
nickel												
potassium												
selenium												
silver												
sodium												
thallium												
titanium												
vanadium												
zinc												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	201	201	201	201	201	201	201	201	201	201
Station ID	32EDC-12-8	32EDC-12-8	201-001-001	201-001-002	201-001-003	201-001-003	201-001-004	201-001-005	201-001-006	201-001-006	201-001-007	201-001-007
Sample ID	C032C382	C032C383	201-0001M	201-0002M	201-0003M	201-0011M	201-0004M	201-0005M	201-0006	201-0006M	201-0007	201-0007M
Sample Type	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	2–4	4–8	3–3.5	4–4.5	4–5	4–5	4–4.5	4–4.5	5–6	5–6	4.5–5	4.5–5
Sample Date	17-May-02	17-May-02	14-Jun-95	14-Jun-95	13-Jun-95	13-Jun-95	14-Jun-95	14-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95
Reference	BEI 2003	BEI 2003	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg)												
acetone			22 U	23 U	24 U	25 U	22 U	22 U	11 U	24 U	11 U	23 U
benzene			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
bromobenzene												
bromochloromethane												
bromodichloromethane			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
bromoform			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
bromomethane			11 U	11 U	12 U	12 U	11 U	11 U	11 U	12 U	11 U	11 U
2-butanone			11 U	11 U	12 U	12 U	11 U	11 U	11 U	12 U	11 U	11 U
n-butylbenzene												
sec-butylbenzene												
tert-butylbenzene												
carbon disulfide			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
carbon tetrachloride			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
chlorobenzene			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
chlorodibromomethane			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
chloroethane			11 U	11 U	12 U	12 U	11 U	11 U	11 U	12 U	11 U	11 U
2-chloroethylvinyl ether												
chloroform			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
chloromethane			11 U	11 U	12 U	12 U	11 U	11 U	11 U	12 U	11 U	11 U
2-chlorotoluene												
4-chlorotoluene												
1,2-dibromo-3-chloropropane												
1,2-dibromoethane												
dibromomethane												
1,2-dichlorobenzene												
1,3-dichlorobenzene			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
1,4-dichlorobenzene			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
dichlorodifluoromethane												
1,1-dichloroethane			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
1,2-dichloroethane			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
1,1-dichloroethene			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
cis-1,2-dichloroethene			6 U	6 U	6 U	6 U	5 U	5 U		6 U		6 U
trans-1,2-dichloroethene			6 U	6 U	6 U	6 U	5 U	5 U		6 U		6 U
1,2-dichloroethene									11 U		11 U	
1,2-dichloropropane			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
1,3-dichloropropane												
sec-dichloropropane												
1,1-dichloropropene												
cis-1,3-dichloropropene			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
trans-1,3-dichloropropene			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
ethylbenzene			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
hexachlorobutadiene												
n-hexane			6 U	6 U	6 U	6 U	5 U	5 U		6 U		6 U
2-hexanone			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	201	201	201	201	201	201	201	201	201	201
Station ID	32EDC-12-8	32EDC-12-8	201-001-001	201-001-002	201-001-003	201-001-003	201-001-004	201-001-005	201-001-006	201-001-006	201-001-007	201-001-007
Sample ID	C032C382	C032C383	201-0001M	201-0002M	201-0003M	201-0011M	201-0004M	201-0005M	201-0006	201-0006M	201-0007	201-0007M
Sample Type	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	2–4	4–8	3–3.5	4–4.5	4–5	4–5	4–4.5	4–4.5	5–6	5–6	4.5–5	4.5–5
Sample Date	17-May-02	17-May-02	14-Jun-95	14-Jun-95	13-Jun-95	13-Jun-95	14-Jun-95	14-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95
Reference	BEI 2003	BEI 2003	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Volatile Organic Compounds (µg/kg) (cont.)												
isopropylbenzene												
p-isopropyltoluene												
methyl tert-butyl ether												
methylene chloride			22 U	23 U	24 U	25 U	22 U	22 U	11 U	24 U	11 U	23 U
4-methyl-2-pentanone			11 U	11 U	12 U	12 U	11 U	11 U	11 U	12 U	11 U	11 U
naphthalene												
n-propylbenzene												
styrene			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
1,1,1,2-tetrachloroethane												
1,1,2,2-tetrachloroethane			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
tetrachloroethene			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
toluene			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
1,2,3-trichlorobenzene												
1,2,4-trichlorobenzene			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
1,1,1-trichloroethane			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
1,1,2-trichloroethane			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
trichloroethene			6 U	6 U	6 U	6 U	5 U	5 U	11 U	6 U	11 U	6 U
trichlorofluoromethane			6 U	6 U	6 U	6 U	5 U	5 U		6 U		6 U
1,2,3-trichloropropane												
1,2,4-trimethylbenzene												
1,3,5-trimethylbenzene												
vinyl acetate			56 U	57 U	60 U	62 U	54 U	54 U		60 U		57 U
vinyl chloride			11 U	11 U	12 U	12 U	11 U	11 U	11 U	12 U	11 U	11 U
meta-,para-xylene			6 U	6 U	6 U	6 U	5 U	5 U		6 U		6 U
m-, p-xylene												
o-xylene			6 U	6 U	6 U	6 U	5 U	5 U		6 U		6 U
xylenes, total									11 U		11 U	
Petroleum Hydrocarbons (µg/kg)												
diesel												
gasoline			600 U	600 U	600 U	600 U	500 U	500 U	500 U	600 U	500 U	600 U
jet fuel #5 (JP5)												
JP-5												
motor oil												
Semivolatile Organic Compounds (µg/kg)												
acenaphthene	5.2 U	5.3 U										
acenaphthylene	5.2 U	5.3 U										
aniline			370 U	380 U	400 U	410 U	360 U	360 U		400 U		380 U
anthracene	1.2 J	5.3 U										
benz(a)anthracene	2.2 J	0.63 J										
benzidine			370 U	380 U	400 U	410 U	360 U	360 U		400 U		380 U
benzo(b)fluoranthene	3.7 J	1.2 J										
benzo(k)fluoranthene	3.5 J	1.2 J										
benzoic acid												
benzo(g,h,i)perylene	4.8 J	1.2 J										

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	201	201	201	201	201	201	201	201	201	201
Station ID	32EDC-12-8	32EDC-12-8	201-001-001	201-001-002	201-001-003	201-001-003	201-001-004	201-001-005	201-001-006	201-001-006	201-001-007	201-001-007
Sample ID	C032C382	C032C383	201-0001M	201-0002M	201-0003M	201-0011M	201-0004M	201-0005M	201-0006	201-0006M	201-0007	201-0007M
Sample Type	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	2–4	4–8	3–3.5	4–4.5	4–5	4–5	4–4.5	4–4.5	5–6	5–6	4.5–5	4.5–5
Sample Date	17-May-02	17-May-02	14-Jun-95	14-Jun-95	13-Jun-95	13-Jun-95	14-Jun-95	14-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95
Reference	BEI 2003	BEI 2003	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)												
benzo(a)pyrene	4.9 J	1.4 J										
benzyl alcohol			370 U	380 U	400 U	410 U	360 U	360 U		400 U		380 U
bis(2-chloroethoxy)methane			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
bis(2-chloroethyl)ether			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
bis(2-chloro-1-methylethyl)ether			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
bis(2-ethylhexyl)phthalate			370 U	380 U	400 U	410 U	360 U	360 U	35 J	400 U	31 J	380 U
4-bromophenyl phenyl ether			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
butyl benzyl phthalate			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
carbazole									350 U		350 U	
4-chloroaniline			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
4-chloro-3-methylphenol			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
2-chloronaphthalene			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
2-chlorophenol			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
4-chlorophenyl phenyl ether			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
chrysene	9.7	0.88 J										
dibenz(a,h)anthracene	2.2 J	0.63 J										
di-n-butyl phthalate			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	30 J	380 U
dibenzofuran			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
1,2-dichlorobenzene			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
1,3-dichlorobenzene												
1,4-dichlorobenzene												
3,3'-dichlorobenzidine			1,900 U	1,900 U	2,000 U	2,100 U	1,800 U	1,800 U	350 U	2,000 U	350 U	1,900 U
2,4-dichlorophenol			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
diethyl phthalate			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
2,4-dimethylphenol			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
dimethyl phthalate			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
4,6-dinitro-2-methylphenol			1,900 U	1,900 U	2,000 U	2,100 U	1,800 U	1,800 U	860 U	2,000 U	850 U	1,900 U
2,4-dinitrophenol			1,900 U	1,900 U	2,000 U	2,100 U	1,800 U	1,800 U	860 U	2,000 U	850 U	1,900 U
2,4-dinitrotoluene			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
2,6-dinitrotoluene			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
di-n-octyl phthalate			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
1,2-diphenylhydrazine												
fluoranthene	3.3 J	1.8 J										
fluorene	5.2 U	5.3 U										
hexachlorobenzene			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
hexachlorobutadiene			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
hexachlorocyclopentadiene			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
hexachloroethane			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
indeno(1,2,3-cd)pyrene	1.8 J	1.6 J										
isophorone			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
2-methylnaphthalene	0.77 J	5.3 U										
2-methylphenol			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
4-methylphenol			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
naphthalene	0.48 J	5.3 U										

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	201	201	201	201	201	201	201	201	201	201
Station ID	32EDC-12-8	32EDC-12-8	201-001-001	201-001-002	201-001-003	201-001-003	201-001-004	201-001-005	201-001-006	201-001-006	201-001-007	201-001-007
Sample ID	C032C382	C032C383	201-0001M	201-0002M	201-0003M	201-0011M	201-0004M	201-0005M	201-0006	201-0006M	201-0007	201-0007M
Sample Type	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	2–4	4–8	3–3.5	4–4.5	4–5	4–5	4–4.5	4–4.5	5–6	5–6	4.5–5	4.5–5
Sample Date	17-May-02	17-May-02	14-Jun-95	14-Jun-95	13-Jun-95	13-Jun-95	14-Jun-95	14-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95
Reference	BEI 2003	BEI 2003	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Semivolatile Organic Compounds (µg/kg) (cont.)												
2-nitroaniline			1,900 U	1,900 U	2,000 U	2,100 U	1,800 U	1,800 U	860 U	2,000 U	850 U	1,900 U
3-nitroaniline			1,900 U	1,900 U	2,000 U	2,100 U	1,800 U	1,800 U	860 U	2,000 U	850 U	1,900 U
4-nitroaniline			1,900 U	1,900 U	2,000 U	2,100 U	1,800 U	1,800 U	860 U	2,000 U	850 U	1,900 U
nitrobenzene			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
4-nitrophenol			1,900 U	1,900 U	2,000 U	2,100 U	1,800 U	1,800 U	860 U	2,000 U	850 U	1,900 U
2-nitrophenol			1,900 U	1,900 U	2,000 U	2,100 U	1,800 U	1,800 U	350 U	2,000 U	350 U	1,900 U
N-nitrosodimethylamine			370 U	380 U	400 U	410 U	360 U	360 U		400 U		380 U
N-nitrosodiphenylamine			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
N-nitroso-di-n-propylamine			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
pentachlorophenol			1,900 U	1,900 U	2,000 U	2,100 U	1,800 U	1,800 U	860 U	2,000 U	850 U	1,900 U
phenanthrene	19	0.61 J										
phenol			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
pyrene	7	2.7 J										
1,2,4-trichlorobenzene												
2,4,5-trichlorophenol			1,900 U	1,900 U	2,000 U	2,100 U	1,800 U	1,800 U	860 U	2,000 U	850 U	1,900 U
2,4,6-trichlorophenol			370 U	380 U	400 U	410 U	360 U	360 U	350 U	400 U	350 U	380 U
Pesticides/Polychlorinated Biphenyls (µg/kg)												
aldrin												
Aroclor 1016												
Aroclor 1221												
Aroclor 1232												
Aroclor 1242												
Aroclor 1248												
Aroclor 1254												
Aroclor 1260												
alpha-BHC												
beta-BHC												
delta-BHC												
gamma-BHC (lindane)												
alpha-chlordane												
gamma-chlordane												
4,4´-DDD												
4,4´-DDE												
4,4´-DDT												
dieldrin												
endosulfan I												
endosulfan II												
endosulfan sulfate												
endrin												
endrin aldehyde												
endrin ketone												
heptachlor												
heptachlor epoxide												
methoxychlor												

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	159	159	201	201	201	201	201	201	201	201	201	201
Station ID	32EDC-12-8	32EDC-12-8	201-001-001	201-001-002	201-001-003	201-001-003	201-001-004	201-001-005	201-001-006	201-001-006	201-001-007	201-001-007
Sample ID	C032C382	C032C383	201-0001M	201-0002M	201-0003M	201-0011M	201-0004M	201-0005M	201-0006	201-0006M	201-0007	201-0007M
Sample Type	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	2–4	4–8	3–3.5	4–4.5	4–5	4–5	4–4.5	4–4.5	5–6	5–6	4.5–5	4.5–5
Sample Date	17-May-02	17-May-02	14-Jun-95	14-Jun-95	13-Jun-95	13-Jun-95	14-Jun-95	14-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95	13-Jun-95
Reference	BEI 2003	BEI 2003	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Pesticides/Polychlorinated Biphenyls (µg/kg) (cont.)												
toxaphene												
Dioxins/Furans (µg/kg)												
heptachlorodibenzo-p-dioxins												
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin												
heptachlorodibenzofurans												
1,2,3,4,6,7,8-heptachlorodibenzofuran												
1,2,3,4,7,8,9-heptachlorodibenzofuran												
hexachlorodibenzo-p-dioxins												
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin												
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin												
hexachlorodibenzofurans												
1,2,3,4,7,8-hexachlorodibenzofuran												
1,2,3,6,7,8-hexachlorodibenzofuran												
1,2,3,7,8,9-hexachlorodibenzofuran												
2,3,4,6,7,8-hexachlorodibenzofuran												
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin												
1,2,3,4,6,7,8,9-octachlorodibenzofuran												
pentachlorodibenzo-p-dioxins												
1,2,3,7,8-pentachlorodibenzo-p-dioxin												
pentachlorodibenzofurans												
1,2,3,7,8-pentachlorodibenzofuran												
2,3,4,7,8-pentachlorodibenzofuran												
tetrachlorodibenzo-p-dioxins												
2,3,7,8-tetrachlorodibenzo-p-dioxin												
tetrachlorodibenzofurans												
2,3,7,8-tetrachlorodibenzofuran												
Organotins (µg/kg)												
dibutyltin												
monobutyltin												
tetrabutyltin												
tributyltin												
Metals (mg/kg)												
aluminum									4,320 J		3,390 J	
antimony			3.3 U	3.4 U	3.6 U	3.6 U	3.2 U	3.2 U	1.4 UJ	3.5 U	1.4 UJ	3.3 U
arsenic			1.6	1.6	1.3	1.3	1.3	0.96	1.3	1.6	1.3	1.5
barium			46	26.5	25.8	24.3	17.5	13.3	28.1	21.8	87.2	25.4
beryllium			0.26	0.26	0.22	0.22	0.18	0.16	0.15 U	0.24	0.15 U	0.26
cadmium			0.36	0.35	0.31	0.31	0.21	0.2	0.06 U	0.36	0.06 U	0.39
calcium									2,250 J		9,300 J	
chromium			27.4	28.4	25.5	27.7	23.3	20.4	24.6 J	29.9	21.3 J	31.1
cobalt			4.6	5.1	3.8	3.9	3.3	3.2	4.2	4.4	3.3	5
copper			12.8	22.3	9.8	19	5.3	7.4	9.2	10	8.8	13.8
iron									6,910		5,810	

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**159**	**159**	**201**	**201**	**201**	**201**	**201**	**201**	**201**	**201**	**201**	**201**
Station ID	**32EDC-12-8**	**32EDC-12-8**	**201-001-001**	**201-001-002**	**201-001-003**	**201-001-003**	**201-001-004**	**201-001-005**	**201-001-006**	**201-001-006**	**201-001-007**	**201-001-007**
Sample ID	**C032C382**	**C032C383**	**201-0001M**	**201-0002M**	**201-0003M**	**201-0011M**	**201-0004M**	**201-0005M**	**201-0006**	**201-0006M**	**201-0007**	**201-0007M**
Sample Type	**REG**	**REG**	**REG**	**REG**	**REG**	**FD**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
Depth Interval (feet bgs)	**2–4**	**4–8**	**3–3.5**	**4–4.5**	**4–5**	**4–5**	**4–4.5**	**4–4.5**	**5–6**	**5–6**	**4.5–5**	**4.5–5**
Sample Date	**17-May-02**	**17-May-02**	**14-Jun-95**	**14-Jun-95**	**13-Jun-95**	**13-Jun-95**	**14-Jun-95**	**14-Jun-95**	**13-Jun-95**	**13-Jun-95**	**13-Jun-95**	**13-Jun-95**
Reference	**BEI 2003**	**BEI 2003**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**
Metals (mg/kg) (cont.)												
lead			3.3	4.7	1.8	1.8	1.5	1.2	1.9	2.2	1.7	2.2
magnesium									2,090		1,930	
manganese									84		82.5	
mercury			0.11 U	0.11 U	0.12 U	0.12 U	0.6	0.11 U	0.16 U	0.12 U	0.16 U	0.11 U
molybdenum			1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	2.1 U	1.2 U	2.1 U	1.1 U
nickel			20.2	20.9	20.8	20.2	14.5	14	22.1	21.7	20.8	21.5
potassium									690		608	
selenium			0.28 U	0.28 U	0.3 U	0.3 U	0.27 U	0.27 U	0.56 U	0.29 U	0.55 U	0.28 U
silver			0.55 U	0.56 U	0.6 U	0.6 U	0.54 U	0.54 U	0.19 U	0.59 U	0.19 U	0.55 U
sodium									354		358	
thallium			0.28 U	0.28 U	0.3 U	0.3 U	0.27 U	0.27 U	2	0.29 U	1.9	0.28 U
titanium												
vanadium			17.3	19.9	16.5	17.1	13.2	12.3	17	19.9	15.2	23.2
zinc			21.6	46.9	17.4	25.1	11	11	17.2	16.7	15.2	18.3

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**201**	**201**	**201**	**201**	***202***
Station ID	**32EDC-12-14**	**32EDC-12-14**	**32EDC-12-14**	**32EDC-12-14**	***584-4-MOJ***
Sample ID	**C032C406**	**C032C407**	**C032C408**	**C032C409**	***584-4Z***
Sample Type	**REG**	**REG**	**REG**	**REG**	***REG***
Depth Interval (feet bgs)	**0–0.5**	**0.5–2**	**2–4**	**4–8**	***5–5***
Sample Date	**21-May-02**	**21-May-02**	**21-May-02**	**21-May-02**	***29-Aug-97***
Reference	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	***TtEMI 2004***
Volatile Organic Compounds (µg/kg)					
acetone					
benzene					*5 U*
bromobenzene					
bromochloromethane					
bromodichloromethane					
bromoform					
bromomethane					
2-butanone					
n-butylbenzene					
sec-butylbenzene					
tert-butylbenzene					
carbon disulfide					
carbon tetrachloride					
chlorobenzene					
chlorodibromomethane					
chloroethane					
2-chloroethylvinyl ether					
chloroform					
chloromethane					
2-chlorotoluene					
4-chlorotoluene					
1,2-dibromo-3-chloropropane					
1,2-dibromoethane					
dibromomethane					
1,2-dichlorobenzene					
1,3-dichlorobenzene					
1,4-dichlorobenzene					
dichlorodifluoromethane					
1,1-dichloroethane					
1,2-dichloroethane					
1,1-dichloroethene					
cis-1,2-dichloroethene					
trans-1,2-dichloroethene					
1,2-dichloroethene					
1,2-dichloropropane					
1,3-dichloropropane					
sec-dichloropropane					
1,1-dichloropropene					
cis-1,3-dichloropropene					
trans-1,3-dichloropropene					
ethylbenzene					*5 U*
hexachlorobutadiene					
n-hexane					
2-hexanone					

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**201**	**201**	**201**	**201**	***202***
Station ID	**32EDC-12-14**	**32EDC-12-14**	**32EDC-12-14**	**32EDC-12-14**	***584-4-MOJ***
Sample ID	**C032C406**	**C032C407**	**C032C408**	**C032C409**	***584-4Z***
Sample Type	**REG**	**REG**	**REG**	**REG**	***REG***
Depth Interval (feet bgs)	**0–0.5**	**0.5–2**	**2–4**	**4–8**	***5–5***
Sample Date	**21-May-02**	**21-May-02**	**21-May-02**	**21-May-02**	***29-Aug-97***
Reference	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	***TtEMI 2004***
Volatile Organic Compounds (µg/kg) (cont.)					
isopropylbenzene					
p-isopropyltoluene					
methyl tert-butyl ether					*50 U*
methylene chloride					
4-methyl-2-pentanone					
naphthalene					
n-propylbenzene					
styrene					
1,1,1,2-tetrachloroethane					
1,1,2,2-tetrachloroethane					
tetrachloroethene					
toluene					*5 U*
1,2,3-trichlorobenzene					
1,2,4-trichlorobenzene					
1,1,1-trichloroethane					
1,1,2-trichloroethane					
trichloroethene					
trichlorofluoromethane					
1,2,3-trichloropropane					
1,2,4-trimethylbenzene					
1,3,5-trimethylbenzene					
vinyl acetate					
vinyl chloride					
meta-,para-xylene					
m-, p-xylene					
o-xylene					
xylenes, total					*5 U*
Petroleum Hydrocarbons (µg/kg)					
diesel					*1,000 U*
gasoline					*1,000 U*
jet fuel #5 (JP5)					*1,000 U*
JP-5					
motor oil					*90,000*
Semivolatile Organic Compounds (µg/kg)					
acenaphthene	5.7 U	5.3 U	5.3 U	5.8 U	
acenaphthylene	5.7 U	5.3 U	5.3 U	5.8 U	
aniline					
anthracene	5.7 U	5.3 U	5.3 U	5.8 U	
benz(a)anthracene	1.5 J	5.3 U	5.3 U	5.8 U	
benzidine					
benzo(b)fluoranthene	2.7 J	5.3 U	5.3 U	5.8 U	
benzo(k)fluoranthene	2.2 J	5.3 U	5.3 U	5.8 U	
benzoic acid					
benzo(g,h,i)perylene	6.2	5.3 U	5.3 U	5.8 U	

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**201**	**201**	**201**	**201**	***202***
Station ID	**32EDC-12-14**	**32EDC-12-14**	**32EDC-12-14**	**32EDC-12-14**	***584-4-MOJ***
Sample ID	**C032C406**	**C032C407**	**C032C408**	**C032C409**	***584-4Z***
Sample Type	**REG**	**REG**	**REG**	**REG**	***REG***
Depth Interval (feet bgs)	**0–0.5**	**0.5–2**	**2–4**	**4–8**	***5–5***
Sample Date	**21-May-02**	**21-May-02**	**21-May-02**	**21-May-02**	***29-Aug-97***
Reference	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	***TtEMI 2004***
Semivolatile Organic Compounds (µg/kg) (cont.)					
benzo(a)pyrene	2.9 J	5.3 U	5.3 U	5.8 U	
benzyl alcohol					
bis(2-chloroethoxy)methane					
bis(2-chloroethyl)ether					
bis(2-chloro-1-methylethyl)ether					
bis(2-ethylhexyl)phthalate					
4-bromophenyl phenyl ether					
butyl benzyl phthalate					
carbazole					
4-chloroaniline					
4-chloro-3-methylphenol					
2-chloronaphthalene					
2-chlorophenol					
4-chlorophenyl phenyl ether					
chrysene	2.9 J	5.3 U	5.3 U	5.8 U	
dibenz(a,h)anthracene	5.7 U	5.3 U	5.3 U	5.8 U	
di-n-butyl phthalate					
dibenzofuran					
1,2-dichlorobenzene					
1,3-dichlorobenzene					
1,4-dichlorobenzene					
3,3'-dichlorobenzidine					
2,4-dichlorophenol					
diethyl phthalate					
2,4-dimethylphenol					
dimethyl phthalate					
4,6-dinitro-2-methylphenol					
2,4-dinitrophenol					
2,4-dinitrotoluene					
2,6-dinitrotoluene					
di-n-octyl phthalate					
1,2-diphenylhydrazine					
fluoranthene	4 J	5.3 U	5.3 U	5.8 U	
fluorene	5.7 U	5.3 U	5.3 U	5.8 U	
hexachlorobenzene					
hexachlorobutadiene					
hexachlorocyclopentadiene					
hexachloroethane					
indeno(1,2,3-cd)pyrene	3.7 J	5.3 U	5.3 U	5.8 U	
isophorone					
2-methylnaphthalene	5.7 U	5.3 U	5.3 U	5.8 U	
2-methylphenol					
4-methylphenol					
naphthalene	5.7 U	5.3 U	5.3 U	5.8 U	

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**201**	**201**	**201**	**201**	***202***
Station ID	**32EDC-12-14**	**32EDC-12-14**	**32EDC-12-14**	**32EDC-12-14**	***584-4-MOJ***
Sample ID	**C032C406**	**C032C407**	**C032C408**	**C032C409**	***584-4Z***
Sample Type	**REG**	**REG**	**REG**	**REG**	***REG***
Depth Interval (feet bgs)	**0–0.5**	**0.5–2**	**2–4**	**4–8**	***5–5***
Sample Date	**21-May-02**	**21-May-02**	**21-May-02**	**21-May-02**	***29-Aug-97***
Reference	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	***TtEMI 2004***
Semivolatile Organic Compounds (µg/kg) (cont.)					
2-nitroaniline					
3-nitroaniline					
4-nitroaniline					
nitrobenzene					
4-nitrophenol					
2-nitrophenol					
N-nitrosodimethylamine					
N-nitrosodiphenylamine					
N-nitroso-di-n-propylamine					
pentachlorophenol					
phenanthrene	5.7 U	5.3 U	5.3 U	5.8 U	
phenol					
pyrene	5.5 J	5.3 U	5.3 U	5.8 U	
1,2,4-trichlorobenzene					
2,4,5-trichlorophenol					
2,4,6-trichlorophenol					
Pesticides/Polychlorinated Biphenyls (µg/kg)					
aldrin					
Aroclor 1016					
Aroclor 1221					
Aroclor 1232					
Aroclor 1242					
Aroclor 1248					
Aroclor 1254					
Aroclor 1260					
alpha-BHC					
beta-BHC					
delta-BHC					
gamma-BHC (lindane)					
alpha-chlordane					
gamma-chlordane					
4,4´-DDD					
4,4´-DDE					
4,4´-DDT					
dieldrin					
endosulfan I					
endosulfan II					
endosulfan sulfate					
endrin					
endrin aldehyde					
endrin ketone					
heptachlor					
heptachlor epoxide					
methoxychlor					

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**201**	**201**	**201**	**201**	***202***
Station ID	**32EDC-12-14**	**32EDC-12-14**	**32EDC-12-14**	**32EDC-12-14**	***584-4-MOJ***
Sample ID	**C032C406**	**C032C407**	**C032C408**	**C032C409**	***584-4Z***
Sample Type	**REG**	**REG**	**REG**	**REG**	***REG***
Depth Interval (feet bgs)	**0–0.5**	**0.5–2**	**2–4**	**4–8**	***5–5***
Sample Date	**21-May-02**	**21-May-02**	**21-May-02**	**21-May-02**	***29-Aug-97***
Reference	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	***TtEMI 2004***
Pesticides/Polychlorinated Biphenyls (µg/kg) (cont.)					
toxaphene					
Dioxins/Furans (µg/kg)					
heptachlorodibenzo-p-dioxins					
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin					
heptachlorodibenzofurans					
1,2,3,4,6,7,8-heptachlorodibenzofuran					
1,2,3,4,7,8,9-heptachlorodibenzofuran					
hexachlorodibenzo-p-dioxins					
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin					
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin					
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin					
hexachlorodibenzofurans					
1,2,3,4,7,8-hexachlorodibenzofuran					
1,2,3,6,7,8-hexachlorodibenzofuran					
1,2,3,7,8,9-hexachlorodibenzofuran					
2,3,4,6,7,8-hexachlorodibenzofuran					
1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin					
1,2,3,4,6,7,8,9-octachlorodibenzofuran					
pentachlorodibenzo-p-dioxins					
1,2,3,7,8-pentachlorodibenzo-p-dioxin					
pentachlorodibenzofurans					
1,2,3,7,8-pentachlorodibenzofuran					
2,3,4,7,8-pentachlorodibenzofuran					
tetrachlorodibenzo-p-dioxins					
2,3,7,8-tetrachlorodibenzo-p-dioxin					
tetrachlorodibenzofurans					
2,3,7,8-tetrachlorodibenzofuran					
Organotins (µg/kg)					
dibutyltin					
monobutyltin					
tetrabutyltin					
tributyltin					
Metals (mg/kg)					
aluminum					
antimony					
arsenic					
barium					
beryllium					
cadmium					
calcium					
chromium					
cobalt					
copper					
iron					

Table A-3
Soil Samples – EBS Parcels 153, 154, 155C, 159, 201, and 202*

EBS Parcel	**201**	**201**	**201**	**201**	***202***
Station ID	**32EDC-12-14**	**32EDC-12-14**	**32EDC-12-14**	**32EDC-12-14**	***584-4-MOJ***
Sample ID	**C032C406**	**C032C407**	**C032C408**	**C032C409**	***584-4Z***
Sample Type	**REG**	**REG**	**REG**	**REG**	***REG***
Depth Interval (feet bgs)	**0–0.5**	**0.5–2**	**2–4**	**4–8**	***5–5***
Sample Date	**21-May-02**	**21-May-02**	**21-May-02**	**21-May-02**	***29-Aug-97***
Reference	**BEI 2003**	**BEI 2003**	**BEI 2003**	**BEI 2003**	***TtEMI 2004***
Metals (mg/kg) (cont.)					
lead					
magnesium					
manganese					
mercury					
molybdenum					
nickel					
potassium					
selenium					
silver					
sodium					
thallium					
titanium					
vanadium					
zinc					

Note:
* blank cells indicate sample not analyzed for a particular compound;
italicized data indicate results not evaluated in the SI Report for Transfer Parcel EDC-12

Acronyms/Abbreviations:
bgs – below ground surface
BHC – benzene hexachloride
DDD – dichlorodiphenyldichloroethane
DDE – dichlorodiphenyldichloroethene
DDT – dichlorodiphenyltrichloroethane
ID – identification
EBS – environmental baseline survey
FD – field duplicate
JP-5 – jet propellant grade 5
µg/kg – micrograms per kilogram
mg/kg – milligrams per kilogram
REG – regular

Review Qualifiers:
J – indicates an estimated value
U – indicates the compound or analyte was analyzed for, but was not detected above the stated detection limit
UJ – indicates the compound or analyte was analyzed for, but was not detected above the stated detection limit; the detection limit, in this case, is an estimated value

Table A-4
Sediment Samples

EBS Parcel	150	150	154	154	202
Station ID	NPS-S09-01	NPS-S09-01	K-IT001	K-IT001	O-2-O
Sample ID	280-S09-022	280-S09-023	K-IT001-01	K-IT001-02	O-2-O-01
Sample Type	REG	FD	REG	FD	REG
Depth Interval (feet bgs)	–	–	–	–	–
Sample Date	19-Jul-94	19-Jul-94	20-Dec-94	20-Dec-94	12-Dec-94
Reference	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004
Volatile Organic Compounds (µg/kg)					
acetone	14 U	13 U	62 U	12 U	12 U
benzene	14 U	13 U	62 U	12 U	12 U
bromodichloromethane	14 U	13 U	62 U	12 U	12 U
bromoform	14 U	13 U	62 U	12 U	12 U
bromomethane	14 U	13 U	62 U	12 U	12 U
2-butanone	14 U	13 U	62 U	15	12 U
carbon disulfide	14 U	13 U	62 U	12 U	12 U
carbon tetrachloride	14 U	13 U	62 U	12 U	12 U
chlorobenzene	14 U	13 U	62 U	12 U	12 U
chlorodibromomethane	14 U	13 U	62 U	12 U	12 U
chloroethane	14 U	13 U	62 U	12 U	12 U
chloroform	14 U	13 U	62 U	12 U	12 U
chloromethane	14 U	13 U	62 U	12 U	12 U
1,1-dichloroethane	14 U	13 U	62 U	7 J	12 U
1,2-dichloroethane	14 U	13 U	62 U	12 U	12 U
1,1-dichloroethene	14 U	13 U	62 U	12 U	12 U
1,2-dichloroethene	14 U	13 U	310	290	12 U
1,2-dichloropropane	14 U	13 U	62 U	12 U	12 U
cis-1,3-dichloropropene	14 U	13 U	62 U	12 U	12 U
trans-1,3-dichloropropene	14 U	13 U	62 U	12 U	12 U
ethylbenzene	14 U	13 U	62 J	6 J	12 U
2-hexanone	14 U	13 U	62 U	12 U	12 U
methylene chloride	14 U	13 U	62 U	12 U	12 U
4-methyl-2-pentanone	14 U	13 U	62 U	12 U	12 U
styrene	14 U	13 U	62 U	12 U	12 U
1,1,2,2-tetrachloroethane	14 U	13 U	62 U	12 U	12 U
tetrachloroethene	14 U	13 U	39 J	5 J	12 U
toluene	14 U	13 U	97	77	12 U
1,1,1-trichloroethane	2 J	13 U	62 U	12 U	12 U
1,1,2-trichloroethane	14 U	13 U	62 U	12 U	12 U
trichloroethene	14 U	13 U	110 J	60 J	12 U
vinyl chloride	14 U	13 U	62 U	12 U	12 U
xylenes, total	14 U	13 U	110	76	12 U
Petroleum Hydrocarbons (µg/kg)					
diesel	140,000 U	130,000 U	250,000 U	120,000 U	24,000 U
gasoline	690 U	630 U	1,350,000 J	3100 J	610 U
JP-5	140,000 U	130,000 U	*		
motor oil	2,370,000 J	3,200,000 J	3,530,000 J	7,150,000 J	620,000 J
oil and grease			4,730,000	4,050,000	1,120,000 J
Semivolatile Organic Compounds (µg/kg)					
acenaphthene	4,600 U	4,200 U	140 J	4,100 U	1,200 U
acenaphthylene	4,600 U	4,200 U	410 U	4,100 U	1,200 U
anthracene	4,600 U	4,200 U	130 J	4,100 U	1,200 U
benz(a)anthracene	4,600 U	4,200 U	190 J	4,100 U	1,200 U

Table A-4
Sediment Samples

EBS Parcel	150	150	154	154	202
Station ID	NPS-S09-01	NPS-S09-01	K-IT001	K-IT001	O-2-O
Sample ID	280-S09-022	280-S09-023	K-IT001-01	K-IT001-02	O-2-O-01
Sample Type	REG	FD	REG	FD	REG
Depth Interval (feet bgs)	–	–	–	–	–
Sample Date	19-Jul-94	19-Jul-94	20-Dec-94	20-Dec-94	12-Dec-94
Reference	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004
Semivolatile Organic Compounds (µg/kg) (continued)					
benzo(b)fluoranthene	4,600 U	4,200 U	340 J	4,100 U	1,200 U
benzo(k)fluoranthene	4,600 U	4,200 U	150 J	4,100 U	1,200 U
benzo(g,h,i)perylene	4,600 U	4,200 U	120 J	4,100 U	1,200 U
benzo(a)pyrene	4,600 U	4,200 U	410 U	4,100 U	1,200 U
bis(2-chloroethoxy)methane	4,600 U	4,200 U	410 U	4,100 U	1,200 U
bis(2-chloroethyl)ether	4,600 U	4,200 U	410 U	4,100 U	1,200 U
bis(2-chloro-1-methylethyl)ether	4,600 U	4,200 U	410 U	4,100 U	1,200 U
bis(2-ethylhexyl)phthalate	4,600 U	4,200 U	2,900	5,300	850 J
4-bromophenyl phenyl ether	4,600 U	4,200 U	410 U	4,100 U	1,200 U
butyl benzyl phthalate	4,600 U	4,200 U	550 J	1,100 J	150 J
carbazole	4,600 U	4,200 U	120 J	4,100 U	1,200 U
4-chloroaniline	4,600 U	4,200 U	410 U	4,100 U	1,200 U
4-chloro-3-methylphenol	4,600 U	4,200 U	410 U	4,100 U	1,200 U
2-chloronaphthalene	4,600 U	4,200 U	410 U	4,100 U	1,200 U
2-chlorophenol	4,600 U	4,200 U	410 U	4,100 U	1,200 U
4-chlorophenyl phenyl ether	4,600 U	4,200 U	410 U	4,100 U	1,200 U
chrysene	4,600 U	300 J	310 J	260 J	1,200 U
dibenz(a,h)anthracene	4,600 U	4,200 U	35 J	4,100 U	1,200 U
di-n-butyl phthalate	4,600 U	4,200 U	410 U	4,100 U	150 J
dibenzofuran	4,600 U	4,200 U	410 U	4,100 U	1,200 U
1,2-dichlorobenzene	4,600 U	4,200 U	410 U	4,100 U	1,200 U
1,3-dichlorobenzene	4,600 U	4,200 U	410 U	4,100 U	1,200 U
1,4-dichlorobenzene	4,600 U	4,200 U	410 U	4,100 U	1,200 U
3,3'-dichlorobenzidine	4,600 U	4,200 U	410 U	4,100 U	1,200 U
2,4-dichlorophenol	4,600 U	4,200 U	410 U	4,100 U	1,200 U
diethyl phthalate	4,600 U	4,200 U	410 U	4,100 U	1,200 U
2,4-dimethylphenol	4,600 U	4,200 U	410 U	4,100 U	1,200 U
dimethyl phthalate	4,600 U	4,200 U	410 U	4,100 U	1,200 U
4,6-dinitro-2-methylphenol	11,000 U	10,000 U	990 U	10,000 U	2,900 U
2,4-dinitrophenol	11,000 U	10,000 U	990 U	10,000 U	2,900 U
2,4-dinitrotoluene	4,600 U	4,200 U	410 U	4,100 U	1,200 U
2,6-dinitrotoluene	4,600 U	4,200 U	410 U	4,100 U	1,200 U
di-n-octyl phthalate	4,600 U	4,200 U	410 U	430 J	1,200 U
fluoranthene	4,600 U	4,200 U	690	480 J	72 J
fluorene	4,600 U	4,200 U	150 J	4,100 U	1,200 U
hexachlorobenzene	4,600 U	4,200 U	410 U	4,100 U	1,200 U
hexachlorobutadiene	4,600 U	4,200 U	410 U	4,100 U	1,200 U
hexachlorocyclopentadiene	4,600 U	4,200 U	410 U	4,100 U	1,200 U
hexachloroethane	4,600 U	4,200 U	410 U	4,100 U	1,200 U
indeno(1,2,3-cd)pyrene	4,600 U	4,200 U	140 J	4,100 U	1,200 U
isophorone	4,600 U	4,200 U	410 U	4,100 U	1,200 U
2-methylnaphthalene	4,600 U	4,200 U	550 J	4,100 U	1,200 U
2-methylphenol	4,600 U	4,200 U	410 U	4,100 U	1,200 U

Table A-4
Sediment Samples

EBS Parcel	150	150	154	154	202
Station ID	NPS-S09-01	NPS-S09-01	K-IT001	K-IT001	O-2-O
Sample ID	280-S09-022	280-S09-023	K-IT001-01	K-IT001-02	O-2-O-01
Sample Type	REG	FD	REG	FD	REG
Depth Interval (feet bgs)	–	–	–	–	–
Sample Date	19-Jul-94	19-Jul-94	20-Dec-94	20-Dec-94	12-Dec-94
Reference	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004
Semivolatile Organic Compounds (µg/kg) (continued)					
4-methylphenol	4,600 U	4,200 U	410 U	440 J	1,200 U
naphthalene	4,600 U	4,200 U	65 J	4,100 U	1,200 U
2-nitroaniline	11,000 U	10,000 U	990 U	10,000 U	2,900 U
3-nitroaniline	11,000 U	10,000 U	990 U	10,000 U	2,900 U
4-nitroaniline	11,000 U	10,000 U	990 U	10,000 U	2,900 U
nitrobenzene	4,600 U	4,200 U	410 U	4,100 U	1,200 U
4-nitrophenol	11,000 U	10,000 U	990 U	10,000 U	2,900 U
2-nitrophenol	4,600 U	4,200 U	410 U	4,100 U	1,200 U
N-nitrosodiphenylamine	4,600 U	4,200 U	410 U	4,100 U	1,200 U
N-nitroso-di-n-propylamine	4,600 U	4,200 U	410 U	4,100 U	1,200 U
pentachlorophenol	11,000 U	10,000 U	990 U	10,000 U	2,900 U
phenanthrene	4,600 U	4,200 U	730 J	430 J	1,200 U
phenol	4,600 U	4,200 U	410 U	4,100 U	1,200 U
pyrene	4,600 U	320 J	550	400 J	1,200 U
1,2,4-trichlorobenzene	4,600 U	4,200 U	410 U	4,100 U	1,200 U
2,4,5-trichlorophenol	11,000 U	10,000 U	990 U	10,000 U	2,900 U
2,4,6-trichlorophenol	4,600 U	4,200 U	410 U	4,100 U	1,200 U
Pesticides/Polychlorinated Biphenyls (µg/kg)					
aldrin			10 U	11 U	4.1 U
Aroclor 1016			200 U	210 U	80 U
Aroclor 1221			410 U	420 U	160 U
Aroclor 1232			200 U	210 U	80 U
Aroclor 1242			200 U	210 U	80 U
Aroclor 1248			200 U	210 U	80 U
Aroclor 1254			200 U	210 U	80 U
Aroclor 1260			130 J	210 U	80 U
azinphos-methyl			200 U	210 U	210 U
alpha-BHC			10 U	11 U	4.1 U
beta-BHC			10 U	11 U	4.1 U
delta-BHC			9.1 J	11 U	4.1 U
gamma-BHC (lindane)			10 U	11 U	4.1 U
alpha-chlordane			10 U	11 U	4.1 U
gamma-chlordane			10 U	11 U	4.1 U
4,4´-DDD			30 J	21 U	13 J
4,4´-DDE			8.5 J	21 U	8 U
4,4´-DDT			20 U	21 U	8 U
demeton (demeton o + demeton s)			200 U	210 U	210 U
diazinon			200 U	210 U	210 U
dieldrin			20 U	21 U	8 U
disulfoton			200 U	210 U	210 U
endosulfan I			10 U	11 U	4.1 U
endosulfan II			20 U	21 U	8 U
endosulfan sulfate			20 U	21 U	8 U
endrin			20 U	21 U	8 U

Table A-4
Sediment Samples

EBS Parcel	150	150	154	154	202
Station ID	NPS-S09-01	NPS-S09-01	K-IT001	K-IT001	O-2-O
Sample ID	280-S09-022	280-S09-023	K-IT001-01	K-IT001-02	O-2-O-01
Sample Type	REG	FD	REG	FD	REG
Depth Interval (feet bgs)	–	–	–	–	–
Sample Date	19-Jul-94	19-Jul-94	20-Dec-94	20-Dec-94	12-Dec-94
Reference	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004	TtEMI 2004
Pesticides/Polychlorinated Biphenyls (µg/kg) (continued)					
endrin aldehyde			20 U	21 U	8 U
endrin ketone			20 U	21 U	8 U
ethion			200 U	210 U	210 U
ethyl parathion			200 U	210 U	210 U
heptachlor			10 U	11 U	4.1 U
heptachlor epoxide			10 U	11 U	4.1 U
malathion			200 U	210 U	210 U
methoxychlor			100 U	110 U	38 J
methyl parathion			200 U	210 U	210 U
toxaphene			1,000 U	1,100 U	410 U
Herbicides (µg/kg)					
2,4´-DB			2,470 U	2,500 U	1,220 U
dalapon			2,470 U	2,500 U	1,220 U
dicamba			2,470 U	2,500 U	1,220 U
dichlorophenoxyacetic acid			2,470 U	2,500 U	1,220 U
dichloroprop			2,470 U	2,500 U	1,220 U
dinoseb			2,470 U	2,500 U	1,220 U
MCPA			123,000 U	12,5000 U	61,000 U
MCPP			123,000 U	12,5000 U	61,000 U
2,4,5-T			2,470 U	2,500 U	1,220 U
2,4,5-TP			2,470 U	2,500 U	1,220 U
Organotins (mg/kg)					
dibutyltin			0.185 J	0.104 J	0.006 J
monobutyltin			0.021 J	0.021 J	0.001 U
tetrabutyltin			0.001 U	0.001 U	0.001 U
tributyltin			0.419 J	0.412 J	0.014 J
Metals (mg/kg)					
lead, organic			620 U	1,100	610 U

Note:

* blank indicates sample not analyzed for a particular compound

Acronyms/Abbreviations:

bgs – below ground surface
BHC – benzene hexachloride
2,4´-DB – 4-(2,4-dichlorophenoxyl)butyric acid
DDD – dichlorodiphenyldichloroethane
DDE – dichlorodiphenyldichloroethene
DDT – dichlorodiphenyltrichloroethane
EBS – environmental baseline survey
FD – field duplicate
JP-5 – jet propellant grade 5
µg/kg – micrograms per kilogram

Table A-4
Sediment Samples

Acronyms/Abbreviations (continued):

MCPA – 2-methyl-4-chlorophenoxyacetic acid
MCPP – 2-(2-methyl-4-chlorophenoxy)-propionic acid
mg/kg – milligrams per kilogram
REG – regular
T – trichlorophenoxyacetic acid
TP – trichlorophenoxypropionic acid

Review Qualifiers:

J – indicates an estimated value
U – indicates the compound or analyte was analyzed for, but was not detected above the stated detection limit

Table A-5
Soil Gas Samples

EBS Parcel	150B	150B	150B	150B	150B	150B
Station ID	150-005-010	150-005-011	150-005-012	150-005-013	150-005-014	150-005-015
Sample ID	150-0010M	150-0011M	150-0012M	150-0013M	150-0014M	150-0015M
Sample Type	REG	REG	REG	REG	REG	REG
Depth Interval (feet bgs)	3–3	3–3	3–3	3–3	3–3	3–3
Sample Date	22-Jun-95	22-Jun-95	22-Jun-95	22-Jun-95	22-Jun-95	22-Jun-95
Reference	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001	IT 2001
Volatile Organic Compounds (mg/m^3)						
acetone	20 U	20 U	20 U	20 U	20 U	20 U
benzene	5 U	5 U	5 U	5 U	5 U	5 U
bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U
bromoform	5 U	5 U	5 U	5 U	5 U	5 U
bromomethane	10 U	10 U	10 U	10 U	10 U	10 U
2-butanone	10 U	10 U	10 U	10 U	10 U	10 U
carbon disulfide	5 U	5 U	5 U	5 U	5 U	5 U
carbon tetrachloride	5 U	5 U	5 U	5 U	5 U	5 U
chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U
chlorodibromomethane	5 U	5 U	5 U	5 U	5 U	5 U
chloroethane	10 U	10 U	10 U	10 U	10 U	10 U
chloroform	3 J	5 U	5 U	5 U	5 U	5 U
chloromethane	10 U	10 U	10 U	10 U	10 U	10 U
1,1-dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U
1,2-dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U
1,1-dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,2-dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U
1,2-dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U
ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U
n-hexane	5 U	5 U	5 U	5 U	5 U	5 U
2-hexanone	5 U	5 U	5 U	5 U	5 U	5 U
methylene chloride	20 U	20 U	20 U	20 U	20 U	20 U
4-methyl-2-pentanone	10 U	10 U	10 U	10 U	10 U	10 U
styrene	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U

Table A-5
Soil Gas Samples

EBS Parcel	**150B**	**150B**	**150B**	**150B**	**150B**	**150B**
Station ID	**150-005-010**	**150-005-011**	**150-005-012**	**150-005-013**	**150-005-014**	**150-005-015**
Sample ID	**150-0010M**	**150-0011M**	**150-0012M**	**150-0013M**	**150-0014M**	**150-0015M**
Sample Type	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
Depth Interval (feet bgs)	**3–3**	**3–3**	**3–3**	**3–3**	**3–3**	**3–3**
Sample Date	**22-Jun-95**	**22-Jun-95**	**22-Jun-95**	**22-Jun-95**	**22-Jun-95**	**22-Jun-95**
Reference	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**	**IT 2001**
Volatile Organic Compounds (mg/m^3) (continued)						
tetrachloroethene	5 U	5 U	5 U	5 U	5 U	5 U
toluene	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U
trichloroethene	5 U	5 U	5 U	5 U	5 U	5 U
trichlorofluoromethane	5 U	5 U	5 U	5 U	5 U	5 U
vinyl acetate	50 U	50 U	50 U	50 U	50 U	50 U
vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U
meta-,para-xylene	5 U	5 U	5 U	5 U	5 U	5 U
o-xylene	5 U	5 U	5 U	5 U	5 U	5 U

Acronyms/Abbreviations:

bgs – below ground surface
EBS – environmental baseline survey
FD – field duplicate
ID – identification
JP-5 – jet propellant grade 5
mg/m^3 – milligrams per cubic meter
REG – regular

Review Qualifiers:

U – indicates the compound or analyte was analyzed for, but was not detected above the stated detection limit

APPENDIX B

HUMAN-HEALTH RISK EVALUATION RESULTS

APPENDIX B TABLES AND REFERENCES

TABLES

Table

B-1 Screening-Level Risk Results, EBS Parcel 140

B-2 Screening-Level Risk Results, EBS Parcel 141

B-3 Screening-Level Risk Results, EBS Parcel 150

B-4 Screening-Level Risk Results, EBS Parcel 150B

B-5 Screening-Level Risk Results, EBS Parcel 151

B-6 Screening-Level Risk Results, EBS Parcel 153

B-7 Screening-Level Risk Results – Soil, EBS Parcel 154

B-8 Screening-Level Risk Results – Water, EBS Parcel 154

B-9 Screening-Level Risk Results, EBS Parcel 159

B-10 Screening-Level Risk Results, EBS Parcel 201

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TABLE B-1
Screening-Level Risk Results
EBS Parcel 140

Chemical	Maximum Concentration[a,b]	Units	RESIDENTIAL SOIL				
			Risk-Based Guideline			Risk and Hazard Calculation	
			Cancer (mg/kg)	Noncancer (mg/kg)	Source	Cancer Risk	Hazard Index
chromium[c]	28	mg/kg	2.1E+02		PRG	1E-07	
nickel[d]	45	mg/kg		1.6E+03	PRG		3E-02
zinc	67	mg/kg		2.30E+04	PRG		3E-03
					Total	**1E-07**	**3E-02**
					Incremental[e]	**0E+00**	**3E-03**
					PAHs	**0E+00**	**0E+00**
					Total Less PAHs	**1E-07**	**3E-02**
					Incremental[e] Less PAHs	**0E+00**	**3E-03**

Notes:

[a] maximum concentrations obtained from the Alameda Point ArcView Query Station (TtEMI 2004) and the analytical results database associated with the IT 2001 document

[b] shaded rows indicate that concentration is below background levels

[c] chromium as total chromium (1:6 ratio CrVI:CrIII)

[d] nickel as nickel (soluble salts)

[e] incremental includes total less background

Acronyms/Abbreviations:

CrIII – chromium, trivalent
CrVI – chromium, hexavalent
IT – International Technology Corporation
mg/kg – milligrams per kilogram
PAH – polynuclear aromatic hydrocarbon
PRG – preliminary remediation goal for direct contact; U.S. EPA 2004
TtEMI – Tetra Tech EM Inc.
U.S. EPA – United States Environmental Protection Agency

TABLE B-2
Screening-Level Risk Results
EBS Parcel 141

Chemical	Maximum Concentration[a,b]	Units	RESIDENTIAL SOIL				
			Risk-Based Guideline			Risk and Hazard Calculation	
			Cancer (mg/kg)	Noncancer (mg/kg)	Source	Cancer Risk	Hazard Index
di-n-butyl phthalate	65	µg/kg		6.10E+03	PRG		1E-05
Total						**0E+00**	**1E-05**
Incremental[c]						**0E+00**	**1E-05**
PAHs						**0E+00**	**0E+00**
Total Less PAHs						**0E+00**	**1E-05**
Incremental[c] Less PAHs						**0E+00**	**1E-05**

Notes:

[a] the maximum lead concentration of 1.1 mg/kg is below the residential soil California modified PRG of 150 mg/kg.

[b] maximum concentrations obtained from the Alameda Point ArcView Query Station (TtEMI 2004) and the analytical results database associated with the IT 2001document

[c] incremental includes total less background

Acronyms/Abbreviations:

IT – International Technology Corporation
µg/kg – micrograms per kilogram
mg/kg – milligrams per kilogram
PAH – polynuclear aromatic hydrocarbon
PRG – preliminary remediation goal for direct contact; U.S. EPA 2004
TtEMI – Tetra Tech EM Inc.
U.S. EPA – United States Environmental Protection Agency

TABLE B-3
Screening-Level Risk Results
EBS Parcel 150

Chemical	Maximum Concentration[a,b]	Units	RESIDENTIAL SOIL				
			Risk-Based Guideline			Risk and Hazard Calculation	
			Cancer (mg/kg)	Noncancer (mg/kg)	Source	Cancer Risk	Hazard Index
benzo(b)fluoranthene	34	µg/kg	6.20E-01		PRG	5E-08	
benzo(g,h,i)perylene[c]	31	µg/kg		4.25E+02	ESL		7E-05
benzo(a)pyrene	12	µg/kg	6.20E-02		PRG	2E-07	
bis(2-ethylhexyl)phthalate	26	µg/kg	3.50E+01	1.20E+03	PRG	7E-10	2E-05
chrysene[d]	34	µg/kg	3.80E+00		PRG	9E-09	
fluoranthene	1.9	µg/kg		2.30E+03	PRG		8E-07
indeno(1,2,3-cd)pyrene	1.3	µg/kg	6.20E-01		PRG	2E-09	
nickel[e]	35	mg/kg		1.60E+03	PRG		2E-02
pyrene	3.3	µg/kg		4.25E+02	ESL		8E-06
zinc	26	mg/kg		2.30E+04	PRG		1E-03
					Total	**3E-07**	**2E-02**
					Incremental[f]	**3E-07**	**1E-04**
					PAHs	**3E-07**	**8E-05**
					Total Less PAHs	**7E-10**	**2E-02**
					Incremental[f] Less PAHs	**7E-10**	**2E-05**

Notes:

[a] maximum concentrations obtained from the Alameda Point ArcView Query Station (TtEMI 2004) and analytical results database associated with the following documents: IT 2001and BEI 2003.

[b] shaded rows indicate that concentration is below background levels

[c] pyrene used as surrogate for benzo(g,h,i)perylene

[d] California-modified PRG used to calculate cancer risk

[e] nickel as nickel (soluble salts)

[f] incremental includes total less background

Acronyms/Abbreviations:

BEI – Bechtel Environmental, Inc.
ESL – environmental screening level for indoor air, SFBRWQCB 2005
IT – International Technology Corporation
µg/kg – micrograms per kilogram
mg/kg – milligrams per kilogram
PAH – polynuclear aromatic hydrocarbon
PRG – preliminary remediation goal for direct contact; U.S. EPA 2004
SFBRWQCB – San Francisco Bay Regional Water Quality Control Board
TtEMI – Tetra Tech EM, Inc.
U.S. EPA – United States Environmental Protection Agency

TABLE B-4
Screening-Level Risk Results
EBS Parcel 150B

Chemical	Maximum Concentration[a,b,c]	Units	RESIDENTIAL SOIL				
			Risk-Based Guideline			Risk and Hazard Calculation	
			Cancer (mg/kg)	Noncancer (mg/kg)	Source	Cancer Risk	Hazard Index
acenaphthene	11	µg/kg		6.50E+02	ESL		2E-05
acenaphthylene[d]	2	µg/kg		6.50E+02	ESL		3E-06
acetone	6	µg/kg		7.00E+03	ESL		9E-07
anthracene	10	µg/kg		3.05E+01	ESL		3E-04
benz(a)anthracene	61	µg/kg	6.20E-01		PRG	1E-07	
benzo(b)fluoranthene	120	µg/kg	6.20E-01		PRG	2E-07	
benzo(k)fluoranthene[e]	0.64	µg/kg	3.80E-01		PRG	2E-09	
benzo(g,h,i)perylene[f]	82	µg/kg		4.25E+02	ESL		2E-04
benzo(a)pyrene	48	µg/kg	6.20E-02		PRG	8E-07	
bis(2-ethylhexyl)phthalate	880	µg/kg	3.50E+01	1.20E+03	PRG	3E-08	7E-04
chrysene[e]	290	µg/kg	3.80E+00		PRG	8E-08	
dibenz(a,h)anthracene	42	µg/kg	6.20E-02		PRG	7E-07	
fluoranthene	42	µg/kg		2.30E+03	PRG		2E-05
indeno(1,2,3-cd)pyrene	23	µg/kg	6.20E-01		PRG	4E-08	
2-methylnaphthalene[g]	120	µg/kg		5.60E+01	PRG		2E-03
nickel[h]	35	mg/kg		1.60E+03	PRG		2E-02
phenanthrene[i]	590	µg/kg		3.05E+01	ESL		2E-02
pyrene	150	µg/kg		4.25E+02	ESL		4E-04
					Total	**2E-06**	**5E-02**
					Incremental[j]	**2E-06**	**2E-02**
					PAHs	**2E-06**	**2E-02**
					Total Less PAHs	**3E-08**	**2E-02**
					Incremental[j] Less PAHs	**3E-08**	**7E-04**

Notes:

[a] the maximum lead concentration of 15.9 mg/kg is below the residential soil California modified PRG of 150 mg/kg.

[b] maximum concentrations obtained from the Alameda Point ArcView Query Station (TtEMI 2004) and analytical results database associated with the following documents: BEI 2003 and IT 2001

[c] shaded rows indicate that concentration is below background levels

[d] acenaphthene used as surrogate for acenaphthylene

[e] California-modified PRG used to calculate cancer risk

[f] pyrene used as surrogate for benzo(g,h,i)perylene

[g] non-cancer PRG for naphthalene used as surrogate for 2-methylnaphthalene

[h] nickel as nickel (soluble salts)

[i] anthracene used as surrogate for phenanthrene

[j] incremental includes total less background

Acronyms/Abbreviations:

BEI – Bechtel Environmental, Inc.
ESL – environmental screening level for indoor air, SFBRWQCB 2005
IT – International Technology Corporation
µg/kg – micrograms per kilogram
mg/kg – milligrams per kilogram
PAH – polynuclear aromatic hydrocarbon
PRG – preliminary remediation goal for direct contact; U.S. EPA 2004
SFBRWQCB – San Francisco Bay Regional Water Quality Control Board
TtEMI – Tetra Tech EM Inc.
U.S. EPA – United States Environmental Protection Agency

Table B-5
Screening-Level Risk Results
EBS Parcel 151

Chemical	Maximum Concentration[a,b,c]	Units	RESIDENTIAL SOIL				
			Risk-Based Guideline			Risk Estimates	
			Cancer (mg/kg)	Noncancer (mg/kg)	Source	Cancer Risk	Hazard Index
acenaphthene	1.7	µg/kg		6.50E+02	ESL		3E-06
acenaphthylene[d]	21	µg/kg		6.50E+02	ESL		3E-05
aluminum	3,780	mg/kg		7.60E+04	PRG		5E-02
anthracene	36	µg/kg		3.05E+01	ESL		1E-03
antimony	7.3	mg/kg		3.10E+01	PRG		2E-01
arsenic[e]	1.1	mg/kg	6.20E-02	2.20E+01	PRG	2E-05	5E-02
barium	23.2	mg/kg		5.40E+03	PRG		4E-03
benz(a)anthracene	77	µg/kg	6.20E-01		PRG	1E-07	
benzo(b)fluoranthene	210	µg/kg	6.20E-01		PRG	3E-07	
benzo(k)fluoranthene[e]	97	µg/kg	3.80E-01		PRG	3E-07	
benzo(g,h,i)perylene[f]	44	µg/kg		4.25E+02	ESL		1E-04
benzo(a)pyrene	58	µg/kg	6.20E-02		PRG	9E-07	
beryllium	0.22	mg/kg	1.10E+03	1.50E+02	PRG	2E-10	1E-03
cadmium	0.26	mg/kg	1.40E+03	3.70E+01	PRG	2E-10	7E-03
chromium[g]	25.5	mg/kg	2.10E+02		PRG	1E-07	
chrysene[e]	350	µg/kg	3.80E+00		PRG	9E-08	
cobalt	4.1	mg/kg	9.00E+02	1.40E+03	PRG	5E-09	3E-03
copper	26.5	mg/kg		3.10E+03	PRG		9E-03
dibenz(a,h)anthracene	11	µg/kg	6.20E-02		PRG	2E-07	
di-n-butyl phthalate	450	µg/kg		6.10E+03	PRG		7E-05
fluoranthene	560	µg/kg		2.30E+03	PRG		2E-04
fluorene	16	µg/kg		8.00E+02	ESL		2E-05
indeno(1,2,3-cd)pyrene	17	µg/kg	6.20E-01		PRG	3E-08	
iron	6,720	mg/kg		2.30E+04	PRG		3E-01
manganese	89.9	mg/kg		1.80E+03	PRG		5E-02
mercury	0.43	mg/kg		2.30E+01	PRG		2E-02
methylene chloride	58	µg/kg	5.20E-01		ESL	1E-07	
2-methylnaphthalene[h]	5.5	µg/kg		5.60E+01	PRG		1E-04
nickel[i]	23.1	mg/kg		1.60E+03	PRG		1E-02
phenanthrene[j]	110	µg/kg		3.05E+01	ESL		4E-03
pyrene	500	µg/kg		4.25E+02	ESL		1E-03
thallium	2.1	mg/kg		5.20E+00	PRG		4E-01
vanadium	16.5	mg/kg		7.80E+01	PRG		2E-01
zinc	51	mg/kg		2.30E+04	PRG		2E-03
					Total	**2E-05**	**1E+00**
					Incremental[k]	**2E-06**	**3E-02**
					PAHs	**2E-06**	**6E-03**
					Total Less PAHs	**2E-05**	**1E+00**
					Incremental[k] Less PAHs	**1E-07**	**2E-02**

Notes:

[a] the maximum lead concentration of 1.7 mg/kg is below the residential soil California modified PRG of 150 mg/kg.

[b] maximum concentrations obtained from the Alameda Point ArcView Query Station (TtEMI 2004) and analytical results database associated with the following documents: IT 2001and BEI 2003.

[c] shaded rows indicate that concentration is below background levels

[d] acenaphthene used as surrogate for acenaphthylene

[e] California-modified PRG used to calculate cancer risk

[f] pyrene used as surrogate for benzo(g,h,i)perylene

[g] chromium as total chromium (1:6 ratio CrVI:CrIII)

[h] noncancer PRG for naphthalene used as surrogate for 2-methylnaphthalene

[i] nickel as nickel (soluble salts)

[j] anthracene used as surrogate for phenanthrene

[k] incremental includes total less background

Acronyms/Abbreviations:

BEI – Bechtel Environmental, Inc.
CrIII – chromium, trivalent
CrVI – chromium, hexavalent
ESL – environmental screening level for indoor air, SFBRWQCB 2005
IT – International Technology Corporation
µg/kg – micrograms per kilogram
mg/kg – milligrams per kilogram
PAH – polynuclear aromatic hydrocarbon
PRG – preliminary remediation goal for direct contact; U.S. EPA 2004
SFBRWQCB – San Francisco Bay Regional Water Quality Control Board
TtEMI – Tetra Tech EM Inc.
U.S. EPA – United States Environmental Protection Agency

Table B-5
Screening-Level Risk Results
EBS Parcel 151

TtEMI – Tetra Tech EM Inc.
U.S. EPA – United States Environmental Protection Agency

TABLE B-6
Screening-Level Risk Results
EBS Parcel 153

Chemical	Maximum Concentration[a,b]	Units	RESIDENTIAL SOIL				
			Risk-Based Guideline			Risk and Hazard Calculation	
			Cancer (mg/kg)	Noncancer (mg/kg)	Source	Cancer Risk	Hazard Index
acenaphthene	0.47	µg/kg		6.50E+02	ESL		7E-07
acenaphthylene[c]	0.49	µg/kg		6.50E+02	ESL		8E-07
aluminum	4,570	mg/kg		7.60E+04	PRG		6E-02
anthracene	1.5	µg/kg		3.05E+01	ESL		5E-05
arsenic[d]	3.7	mg/kg	6.20E-02	2.20E+01	PRG	6E-05	2E-01
barium	51.2	mg/kg		5.40E+03	PRG		9E-03
benz(a)anthracene	6	µg/kg	6.20E-01		PRG	1E-08	
benzo(b)fluoranthene	81	µg/kg	6.20E-01		PRG	1E-07	
benzo(k)fluoranthene[d]	170	µg/kg	3.80E-01		PRG	4E-07	
benzo(g,h,i)perylene[e]	190	µg/kg		4.25E+02	ESL		4E-04
benzo(a)pyrene	180	µg/kg	6.20E-02		PRG	3E-06	
cadmium	0.5	mg/kg	1.40E+03	3.70E+01	PRG	4E-10	1E-02
chromium[f]	38.7	mg/kg	2.10E+02		PRG	2E-07	
chrysene[d]	15	µg/kg	3.80E+00		PRG	4E-09	
cobalt	5	mg/kg	9.00E+02	1.40E+03	PRG	6E-09	4E-03
copper	27.9	mg/kg		3.10E+03	PRG		9E-03
dibenz(a,h)anthracene	7.1	µg/kg	6.20E-02		PRG	1E-07	
fluoranthene	110	µg/kg		2.30E+03	PRG		5E-05
fluorene	0.6	µg/kg		8.00E+02	ESL		8E-07
indeno(1,2,3-cd)pyrene	140	µg/kg	6.20E-01		PRG	2E-07	
iron	7,420	mg/kg		2.30E+04	PRG		3E-01
manganese	135	mg/kg		1.80E+03	PRG		8E-02
2-methylnaphthalene[g]	0.62	µg/kg		5.60E+01	PRG		1E-05
naphthalene	0.6	µg/kg	4.60E-01		ESL	1E-09	
nickel[h]	24.1	mg/kg		1.60E+03	PRG		2E-02
phenanthrene[i]	82	µg/kg		3.05E+01	ESL		3E-03
pyrene	220	µg/kg		4.25E+02	ESL		5E-04
titanium[j]	367	mg/kg		1.00E+05	PRG		4E-03
toluene[k]	7	µg/kg		5.20E+02	PRG		1E-05
vanadium	17.3	mg/kg		7.80E+01	PRG		2E-01
zinc	32.5	mg/kg		2.30E+04	PRG		1E-03
					Total	**6E-05**	**9E-01**
					Incremental[l]	**4E-06**	**4E-03**
					PAHs	**4E-06**	**4E-03**
					Total Less PAHs	**6E-05**	**9E-01**
					Incremental[l] Less PAHs	**0E+00**	**1E-05**

Notes:
[a] maximum concentrations obtained from the Alameda Point ArcView Query Station (TtEMI 2004) and analytical results database associated with the BEI 2004 document
[b] shaded rows indicate that concentration is below background levels
[c] acenaphthene used as surrogate for acenaphthylene
[d] California-modified PRG used to calculate cancer risk
[e] pyrene used as surrogate for benzo(g,h,i)perylene
[f] chromium as total chromium (1:6 ratio CrVI:CrIII)
[g] non-cancer PRG for naphthalene used as surrogate for 2-methylnaphthalene
[h] nickel as nickel (soluble salts)
[i] anthracene used as surrogate for phenanthrene
[j] non-risk based ceiling limit used
[k] soil saturation concentration used
[l] incremental includes total less background

Acronyms/Abbreviations:
BEI – Bechtel Environmental, Inc.
CrIII – chromium, trivalent
CrVI – chromium, hexavalent
ESL – environmental screening level for indoor air, SFBRWQCB 2005
µg/kg – micrograms per kilogram
mg/kg – milligrams per kilogram
PAH – polynuclear aromatic hydrocarbon
PRG – preliminary remediation goal for direct contact; U.S. EPA 2004
SFBRWQCB – San Francisco Bay Regional Water Quality Control Board
TtEMI – Tetra Tech EM Inc.
U.S. EPA – United States Environmental Protection Agency

TABLE B-6
Screening-Level Risk Results
EBS Parcel 153

TtEMI – Tetra Tech EM Inc.
U.S. EPA – United States Environmental Protection Agency

TABLE B-7
Screening Level Risk Results – Soil
EBS Parcel 154

Chemical	Maximum Concentration[a,b,c]	Units	RESIDENTIAL SOIL				
			Risk-Based Guideline			Risk and Hazard Calculation	
			Cancer (mg/kg)	Noncancer (mg/kg)	Source	Cancer Risk	Hazard Index
acetone	160	µg/kg		7.00E+03	ESL		2E-05
aluminum	7,350	mg/kg		7.60E+04	PRG		1E-01
anthracene	2	µg/kg		3.05E+01	ESL		7E-05
antimony	0.35	mg/kg		3.10E+01	PRG		1E-02
arsenic[d]	2.4	mg/kg	6.20E-02	2.20E+01	PRG	4E-05	1E-01
barium	87.6	mg/kg		5.40E+03	PRG		2E-02
benz(a)anthracene	4.3	µg/kg	6.20E-01		PRG	7E-09	
benzene	3.5	µg/kg	1.80E-01		ESL	2E-08	
benzo(b)fluoranthene	3.3	µg/kg	6.20E-01		PRG	5E-09	
benzo(k)fluoranthene[d]	5.6	µg/kg	3.80E-01		PRG	1E-08	
benzo(g,h,i)perylene[e]	8.4	µg/kg		4.25E+02	ESL		2E-05
benzo(a)pyrene	7.9	µg/kg	6.20E-02		PRG	1E-07	
beryllium	0.25	mg/kg	1.10E+03	1.50E+02	PRG	2E-10	2E-03
bis(2-ethylhexyl)phthalate	38	µg/kg	3.50E+01	1.20E+03	PRG	1E-09	3E-05
2-butanone	4.0	µg/kg		2.45E+03	ESL		2E-06
cadmium	3.7	mg/kg	1.40E+03	3.70E+01	PRG	3E-09	1E-01
chromium[f]	38.5	mg/kg	2.10E+02		PRG	2E-07	
chrysene[d]	8.6	µg/kg	3.80E+00		PRG	2E-09	
cobalt	5.8	mg/kg	9.00E+02	1.40E+03	PRG	6E-09	4E-03
copper	19.4	mg/kg		3.10E+03	PRG		6E-03
dibenz(a,h)anthracene	0.58	µg/kg	6.20E-02		PRG	9E-09	
1,1-dichloroethane	3.8	µg/kg	3.20E-01		ESL	1E-08	
di-n-butyl phthalate	190	µg/kg		6.10E+03	PRG		3E-05
ethylbenzene[g]	36	µg/kg		4.00E+02	PRG		9E-05
fluoranthene	11	µg/kg		2.30E+03	PRG		5E-06
indeno(1,2,3-cd)pyrene	6.9	µg/kg	6.20E-01		PRG	1E-08	
iron	13,100	mg/kg		2.30E+04	PRG		6E-01
manganese	148	mg/kg		1.80E+03	PRG		8E-02
mercury	0.22	mg/kg		2.30E+01	PRG		1E-02
methylene chloride	16	µg/kg	5.20E-01		ESL	3E-08	
2-methylnaphthalene[h]	0.39	µg/kg		5.60E+01	PRG		7E-06
molybdenum	0.18	mg/kg		3.90E+02	PRG		5E-04
naphthalene	6.1	µg/kg	4.60E-01		ESL	1E-08	
nickel[i]	53	mg/kg		1.60E+03	PRG		3E-02
phenanthrene[j]	6.2	µg/kg		3.05E+01	ESL		2E-04
pyrene	14	µg/kg		4.25E+02	ESL		3E-05
silver	0.2	mg/kg		3.90E+02	PRG		5E-04
tetrachloroethene	16	µg/kg	8.70E-02		ESL	2E-07	
thallium	2.5	mg/kg		5.20E+00	PRG		5E-01
1,1,1-trichloroethane	270	µg/kg		4.90E+02	ESL		6E-04
trichloroethene	5.8	µg/kg	2.60E-01		ESL	2E-08	
vanadium	26.8	mg/kg		7.80E+01	PRG		3E-01
zinc	2,580	mg/kg		2.30E+04	PRG		1E-01
					Total	**4E-05**	**2E+00**
					Incremental[k]	**5E-07**	**2E-01**
					PAHs	**2E-07**	**3E-04**
					Total Less PAHs	**4E-05**	**2E+00**
					Incremental[k] Less PAHs	**3E-07**	**2E-01**

Notes:

[a] the maximum lead concentration of 7.3 mg/kg is below the residential soil California modified PRG of 150 mg/kg.

[b] maximum concentrations obtained from the Alameda Point ArcView Query Station (TtEMI 2004) and analytical results database associated with the following documents: BEI 2003 and IT 2001

[c] shaded rows indicate that concentration is below background levels

[d] California-modified PRG used to calculate cancer risk

[e] pyrene used as surrogate for benzo(g,h,i)perylene

[f] chromium as total chromium (1:6 ratio CrVI:CrIII)

[g] soil saturation concentration used

[h] non-cancer PRG for naphthalene used as surrogate for 2-methylnaphthalene

TABLE B-7
Screening Level Risk Results – Soil
EBS Parcel 154

[i] nickel as nickel (soluble salts)
[j] anthracene used as surrogate for phenanthrene
[k] incremental includes total less background

Acronyms/Abbreviations:
BEI – Bechtel Environmental, Inc.
CrIII – chromium, trivalent
CrVI – chromium, hexavalent
ESL – environmental screening level for indoor air, SFBRWQCB 2005
IT – International Technology Corporation
µg/kg – micrograms per kilogram
mg/kg – milligrams per kilogram
PAH – polynuclear aromatic hydrocarbon
PRG – preliminary remediation goal for direct contact; U.S. EPA 2004
SFBRWQCB – San Francisco Bay Regional Water Quality Control Board
TtEMI – Tetra Tech EM Inc.
U.S. EPA – United States Environmental Protection Agency

TABLE B-8
Screening-Level Risk Results – Water
EBS Parcel 154

Chemical	Maximum Concentration[a]	Units	TAP WATER				
			Risk-Based Guideline			Risk and Hazard Calculation	
			Cancer (µg/L)	Noncancer (µg/L)	Source	Cancer Risk	Hazard Index
chloromethane	2	µg/L		1.60E+02	PRG		1E-02
1,1,1-trichloroethane	12	µg/L		3.20E+03	PRG		4E-03
					Total		**2E-02**

Notes:
[a] maximum concentrations obtained from the analytical results database associated with the IT 2001 document

Acronyms/Abbreviations:
IT – International Technology Corporation
µg/L – micrograms per liter
PRG – preliminary remediation goal for direct contact; U.S. EPA 2004
U.S. EPA – United States Environmental Protection Agency

TABLE B-9
Screening-Level Risk Results
EBS Parcel 159

Chemical	Maximum Concentration[a,b]	Units	RESIDENTIAL SOIL				
			Risk-Based Guideline			Risk and Hazard Calculation	
			Cancer (mg/kg)	Noncancer (mg/kg)	Source	Cancer Risk	Hazard Index
acenaphthene	2.6	µg/kg		6.50E+02	ESL		4E-06
acenaphthylene[c]	1.5	µg/kg		6.50E+02	ESL		2E-06
anthracene	4	µg/kg		3.05E+01	ESL		1E-04
benz(a)anthracene	32	µg/kg	6.20E-01		PRG	5E-08	
benzo(b)fluoranthene	53	µg/kg	6.20E-01		PRG	9E-08	
benzo(k)fluoranthene[d]	27	µg/kg	3.80E-01		PRG	7E-08	
benzo(g,h,i)perylene[e]	73	µg/kg		4.25E+02	ESL		2E-04
benzo(a)pyrene	30	µg/kg	6.20E-02		PRG	5E-07	
bis(2-ethylhexyl)phthalate	26	µg/kg	3.50E+01	1.20E+03	PRG	7E-10	2E-05
chrysene[d]	210	µg/kg	3.80E+00		PRG	6E-08	
dibenz(a,h)anthracene	42	µg/kg	6.20E-02		PRG	7E-07	
diethyl phthalate	380	µg/kg		4.90E+04	PRG		8E-06
di-n-butyl phthalate	120	µg/kg		6.10E+03	PRG		2E-05
fluoranthene	33	µg/kg		2.30E+03	PRG		1E-05
fluorene	1.4	µg/kg		8.00E+02	ESL		2E-06
indeno(1,2,3-cd)pyrene	39	µg/kg	6.20E-01		PRG	6E-08	
2-methylnaphthalene[f]	2	µg/kg		5.60E+01	PRG		4E-05
naphthalene	2.7	µg/kg	4.60E-01		ESL	6E-09	
phenanthrene[g]	350	µg/kg		3.05E+01	ESL		1E-02
pyrene	94	µg/kg		4.25E+02	ESL		2E-04
					Total	**1E-06**	**1E-02**
					Incremental[h]	**1E-06**	**1E-02**
					PAHs	**1E-06**	**1E-02**
					Total Less PAHs	**7E-10**	**5E-05**
					Incremental[h] Less PAHs	**7E-10**	**5E-05**

Notes:

[a] the maximum lead concentration of 3.9 mg/kg is below the residential soil California modified PRG of 150 mg/kg.

[b] maximum concentrations obtained from the Alameda Point ArcView Query Station (TtEMI 2004) and analytical results database associated with the following documents: BEI 2003 and IT 2001

[c] acenaphthene used as surrogate for acenaphthylene

[d] California-modified PRG used to calculate cancer risk

[e] pyrene used as surrogate for benzo(g,h,i)perylene

[f] non-cancer PRG for naphthalene used as surrogate for 2-methylnaphthalene

[g] anthracene used as surrogate for phenanthrene

[h] incremental includes total less background

Acronyms/Abbreviations:

BEI – Bechtel Environmental, Inc.
ESL – environmental screening level for indoor air, SFBRWQCB 2005
IT – International Technology Corporation
µg/kg – micrograms per kilogram
mg/kg – milligrams per kilogram
PAH – polynuclear aromatic hydrocarbon
PRG – preliminary remediation goal for direct contact; U.S. EPA 2004
SFBRWQCB – San Francisco Bay Regional Water Quality Control Board
TtEMI – Tetra Tech EM Inc.
U.S. EPA – United States Environmental Protection Agency

TABLE B-10
Screening-Level Risk Results
EBS Parcel 201

Chemical	Maximum Concentration[a,b,c]	Units	RESIDENTIAL SOIL				
			Risk-Based Guideline			Risk and Hazard Calculation	
			Cancer (mg/kg)	Noncancer (mg/kg)	Source	Cancer Risk	Hazard Index
aluminum	4,320	mg/kg		7.60E+04	PRG		6E-02
arsenic[d]	1.6	mg/kg	6.20E-02	2.20E+01	PRG	3E-05	7E-02
barium	87.2	mg/kg		5.40E+03	PRG		2E-02
benz(a)anthracene	1.5	µg/kg	6.20E-01		PRG	2E-09	
benzo(b)fluoranthene	2.7	µg/kg	6.20E-01		PRG	4E-09	
benzo(k)fluoranthene[d]	2.2	µg/kg	3.80E-01		PRG	6E-09	
benzo(g,h,i)perylene[e]	6.2	µg/kg		4.25E+02	ESL		1E-05
benzo(a)pyrene	2.9	µg/kg	6.20E-02		PRG	5E-08	
beryllium	0.26	mg/kg	1.10E+03	1.50E+02	PRG	2E-10	2E-03
bis(2-ethylhexyl)phthalate	35	µg/kg	3.50E+01	1.20E+03	PRG	1E-09	3E-05
cadmium	0.39	mg/kg	1.40E+03	3.70E+01	PRG	3E-10	1E-02
chromium[f]	31.1	mg/kg	2.10E+02		PRG	1E-07	
chrysene[d]	2.9	µg/kg	3.80E+00		PRG	8E-10	
cobalt	5.1	mg/kg	9.00E+02	1.40E+03	PRG	6E-09	4E-03
copper	22.3	mg/kg		3.10E+03	PRG		7E-03
di-n-butyl phthalate	30	µg/kg		6.10E+03	PRG		5E-06
fluoranthene	4	µg/kg		2.30E+03	PRG		2E-06
indeno(1,2,3-cd)pyrene	3.7	µg/kg	6.20E-01		PRG	6E-09	
iron	6,910	mg/kg		2.30E+04	PRG		3E-01
manganese	84	mg/kg		1.80E+03	PRG		5E-02
mercury	0.6	mg/kg		2.30E+01	PRG		3E-02
nickel[g]	22.1	mg/kg		1.60E+03	PRG		1E-02
pyrene	5.5	µg/kg		4.25E+02	ESL		1E-05
thallium	2	mg/kg		5.20E+00	PRG		4E-01
vanadium	23.2	mg/kg		7.80E+01	PRG		3E-01
zinc	46.9	mg/kg		2.30E+04	PRG		2E-03
					Total	**3E-05**	**1E+00**
					Incremental[h]	**7E-08**	**3E-02**
					PAHs	**7E-08**	**3E-05**
					Total Less PAHs	**3E-05**	**1E+00**
					Incremental[h] Less PAHs	**1E-09**	**3E-02**

Notes:

[a] the maximum lead concentration of 4.7 mg/kg is below the residential soil California modified PRG of 150 mg/kg.

[b] maximum concentrations obtained from the Alameda Point ArcView Query Station (TtEMI 2004) and analytical results database associated with the following documents: BEI 2003 and IT 2001

[c] shaded rows indicate that concentration is below background levels

[d] California-modified PRG used to calculate cancer risk

[e] pyrene used as surrogate for benzo(g,h,i)perylene

[f] chromium as total chromium (1:6 ratio CrVI:CrIII)

[g] nickel as nickel (soluble salts)

[h] incremental includes total less background

Acronyms/Abbreviations:

BEI – Bechtel Environmental, Inc.
CrIII – chromium, trivalent
CrVI – chromium, hexavalent
ESL – environmental screening level for indoor air, SFBRWQCB 2005
IT – International Technology Corporation
µg/kg – micrograms per kilogram
mg/kg – milligrams per kilogram
PAH – polynuclear aromatic hydrocarbon
PRG – preliminary remediation goal for direct contact; U.S. EPA 2004
SFBRWQCB – San Francisco Bay Regional Water Quality Control Board
TtEMI – Tetra Tech EM Inc.
U.S. EPA – United States Environmental Protection Agency

APPENDIX C

POLYNUCLEAR AROMATIC HYDROCARBON FIELD ACTIVITY SUMMARY

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ACRONYMS/ABBREVIATIONS

B(a)P	benzo(a)pyrene
BEI	Bechtel Environmental, Inc.
bgs	below ground surface
BNI	Bechtel National, Inc.
BRAC	Base Realignment and Closure
CD	compact disk
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERFA	Community Environmental Response Facilitation Act
CLEAN	Comprehensive Long-Term Environmental Action Navy
CSM	conceptual site model
CTO	contract task order
DHS	(California) Department of Health Services
DOI	(United States) Department of the Interior
DQO	data quality objective
EDC	economic development conveyance
FED	federal agency disposal
FID	flame ionization detector
IDW	investigation-derived waste
IR	Installation Restoration (Program)
µg/kg	micrograms per kilogram
NAD	North American Datum
NAS	Naval Air Station
NEESA	Naval Energy and Environmental Support Activity
OU	operable unit
PAH	polynuclear aromatic hydrocarbon
PBC	public benefit conveyance
PNNL	Pacific Northwest National Laboratory
PRG	preliminary remediation goal
QC	quality control

RCRA	Resource Conservation and Recovery Act
RI	remedial investigation
SIM	selected ion monitoring
SOP	standard operating procedure
SWDIV	Southwest Division Naval Facilities Engineering Command
TtEMI	Tetra Tech EM Inc.
U.S. EPA	United States Environmental Protection Agency

Appendix C
POLYNUCLEAR AROMATIC HYDROCARBON FIELD ACTIVITY SUMMARY

This Polynuclear Aromatic Hydrocarbon (PAH) Field Activity Summary describes the fieldwork performed during the assessment of PAH contamination at eight transfer parcels at Alameda Point (formerly Naval Air Station [NAS] Alameda), Alameda, California (Figure C-1) during summer 2002.

C1 INTRODUCTION

NAS Alameda was designated for closure in September 1993 by the U.S. Congress and the Base Realignment and Closure (BRAC) Commission. The base ceased naval operations in April 1997. The Navy is currently in the process of transferring the land for redevelopment. This report presents data tables and a brief evaluation of the analytical data obtained from the PAH assessment fieldwork conducted in 2002. Tables and figures are presented at the end of this appendix.

The Engineering Field Division Southwest BRAC Operations Alameda team and Southwest Division Naval Facilities Engineering Command (SWDIV) requested assessment of PAH concentrations in soil at eight transfer parcels proposed for transfer at Alameda Point. The transfer parcels investigated during the PAH assessment include Transfer Parcels Economic Development Conveyance (EDC)-3, -5, -12, -17, -21, Federal Agency Disposal (FED)-1A, and Public Benefit Conveyance (PBC)-1A and -3, as shown on Figure C-2.

Alameda Point is situated on land created by emplacement of dredge spoils from the Oakland Inner Harbor and the San Francisco Bay. PAHs potentially contained in these dredge spoils (which now underlie the eight transfer parcels investigated during this PAH assessment) may be present at concentrations that pose a risk to human health and/or the environment. Multiple soil samples were collected at each of the transfer parcels to assess PAH concentrations in the soils at these locations.

C1.1 Purpose

The primary purpose of the PAH assessment was to conduct PAH-specific investigations at eight transfer parcels where no PAH release or disposal had been documented. The purpose of this PAH Field Activity Summary is to describe the field activities conducted and report the results of the analyses performed.

A secondary purpose of the PAH assessment was to determine background values for PAHs in fill soils at Alameda Point; a draft PAH Background Study Technical Memorandum was completed in August 2002 (BEI 2002b).

C1.2 Scope

Following preparation, review, and approval of the planning documents (BEI 2002a), PAH-specific soil sampling and analyses were conducted at eight Alameda Point transfer parcels where no PAH release or disposal was known to have occurred.

C1.3 Regulatory Context and Status of Alameda Point

The Navy property transfers will be conducted in accordance with the Community Environmental Response Facilitation Act (CERFA), which the U.S. Congress enacted in October 1992. CERFA added a new subsection to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 120(h) that addresses property transfers by federal agencies. CERFA states that federal agencies should ". . . expeditiously identify real property that offers the greatest opportunity for reuse and redevelopment . . ." To accomplish this goal, property at Alameda Point was divided into groupings called disposal, real estate, or transfer parcels. Transfer parcels were named based on the type of conveyance mechanism anticipated (e.g., a federal-agency-to-federal-agency transfer was designated "FED-xx") (TtEMI 2003).

CERCLA Section 120(h)(4) directs federal agencies with jurisdiction over property on which federal government operations are to be terminated to identify parcels of the property ". . . on which no hazardous substances and no petroleum products or their derivatives were known to have been released, or disposed of." CERFA and United States Environmental Protection Agency (U.S. EPA) guidance (U.S. EPA 1997) refer to such parcels as "uncontaminated." Identification of these parcels is based on an investigation of the property, including requirements set forth in CERCLA Section 120(h)(4)(A). Although parcels identified as uncontaminated can be sold or otherwise transferred, any such transfer includes a covenant committing the Navy to perform any remedial action or corrective action found to be necessary after the date of the transfer. The eight transfer parcels investigated during this PAH assessment were originally believed to be uncontaminated according to the CERCLA guidelines; however, they all had one outstanding issue: the potential presence of PAHs in soil. If PAH concentrations in soil could be shown not to be a risk to human or ecological health, and no other environmental issues of concern existed, the eight transfer parcels were thought to be transferable.

The Initial Assessment Study conducted by the Navy (NEESA 1983) identified 12 sources of potentially hazardous waste at NAS Alameda, 4 of which were recommended for further investigation under the Navy Assessment and Control of Installation Pollutants program. However, the California Environmental Protection Agency Department of Health Services (currently the California Department of Health Services) issued a Remedial Action Order to the Navy in 1988 requiring additional investigations at Alameda Point (DHS 1988). In fulfilling this Remedial Action Order, the Navy identified 34 sites (Installation Restoration [IR] Sites 1 through 35; IR Site 18 was eliminated) as CERCLA/IR sites between 1988 and 2004 (TtEMI 2003). IR site locations at Alameda Point are shown on Figure C-2.

Based on recent environmental data, new IR Sites 30, 31, 32, and 35 have been identified and are now located within the boundaries of four of the eight transfer parcels that are the subject of this report (PBC-3, EDC-21, EDC-3, and EDC-5, respectively).

On July 22, 1999, Alameda Point was placed on the National Priorities List (64 *Federal Register* 140, 39878–39885, Final Rule, July 22, 1999). The Comprehensive Environmental

Response, Compensation, and Liability Information System identification number for NAS Alameda is CA2170023236.

C1.4 Previous Polynuclear Aromatic Hydrocarbon Studies at Alameda Point

Although samples were collected and analyzed for PAHs during previous investigations at the eight transfer parcels, most of the analytical results were not usable for risk assessment purposes. As a result of the analytical method used, results from previous investigations had elevated detection limits for the seven carcinogenic PAH analytes. The detection limits were elevated above the corresponding preliminary remediation goals (PRGs) for residential soil established by the U.S. EPA (U.S. EPA 2002), and these data consequently did not meet the data quality criteria for human-health risk assessment calculations. Detection limits achieved during the 2002 PAH assessment, however, were below PRGs.

C1.5 Site Locations

The eight transfer parcels investigated during the 2002 PAH assessment are located throughout Alameda Point, as shown in Figure C-2. Site boundaries for IR sites contained within these transfer parcels are estimated and therefore subject to change. The current location of each transfer parcel is discussed in the sections that follow.

C1.5.1 TRANSFER PARCEL EDC-3

Transfer Parcel EDC-3 currently includes newly identified IR Site 32 and is located in the northwestern portion of Alameda Point, adjacent to the Oakland Inner Harbor. IR Site 14 (and a related buffer zone) and a portion of IR Site 15 are located adjacent to Transfer Parcel EDC-3.

C1.5.2 TRANSFER PARCEL EDC-5

Transfer Parcel EDC-5 currently includes newly identified IR Site 35 and is located in the northeastern portion of Alameda Point, an area that was formerly used for industrial activities. IR Sites 5, 6, 7, 8, and related buffer zones are located adjacent to Transfer Parcel EDC-5.

C1.5.3 TRANSFER PARCEL EDC-12

Transfer Parcel EDC-12 is located in the southeast portion of Alameda Point, immediately east of Seaplane Lagoon, in the former industrial core of NAS Alameda. IR Site 27 is located adjacent to Transfer Parcel EDC-12.

C1.5.4 TRANSFER PARCEL EDC-17

Transfer Parcel EDC-17 is located in the southernmost portion of Alameda Point, adjacent to the San Francisco Bay, in the former industrial core of NAS Alameda. IR Site 16 is located adjacent to Transfer Parcel EDC-17.

C1.5.5 TRANSFER PARCEL EDC-21

The boundary for Transfer Parcel EDC-21 coincides with the boundary for newly identified IR Site 31 and is located in the northeastern portion of Alameda Point in the Coast Guard housing area.

C1.5.6 TRANSFER PARCEL FED-1A

Transfer Parcel FED-1A currently includes newly identified IR Site 33 and is located in the western portion of Alameda Point in the wildlife refuge area.

C1.5.7 TRANSFER PARCEL PBC-1A

Transfer Parcel PBC-1A currently includes newly identified IR Site 34 and is located in the north-central portion of Alameda Point, adjacent to the Oakland Inner Harbor. A portion of IR Site 15 is located adjacent to Transfer Parcel PBC-1A.

C1.5.8 TRANSFER PARCEL PBC-3

The boundary for Transfer Parcel PBC-3 coincides with the boundary for newly identified IR Site 30 and is located in the northeastern portion of Alameda Point. IR Site 30 includes the former George P. Miller Elementary School (now the Island High School) and the Woodstock Child Development Center.

C1.6 Site Characteristics

Transfer parcel-specific descriptions, operations, and known contamination, as well as general background information relevant to the Alameda area (including climate, topography, geology, hydrogeology, and industrial/fill history) are presented in the draft final Work Plan (BEI 2002a) and therefore are not repeated in this report. Table C-1 presents a summary of site characteristics (e.g., size, geology, and depth to groundwater) for the transfer parcels investigated during the 2002 PAH assessment.

C1.7 Organization

This PAH Field Activity Summary appendix consists of five sections with four attachments. (The attachments are on compact disk [CD] located at the end of the report.)

- Section 1 discusses the scope and background of the PAH assessment.
- Section 2 explains the investigation approach.
- Section 3 provides a brief presentation of the data collected.
- Section 4 provides a summary of the report.
- Section 5 lists the references.
- Attachment C1 contains the analytical results tables and database.
- Attachment C2 provides copies of the boring logs.
- Attachment C3 contains copies of the chain-of-custody forms.

- Attachment C4 provides data quality and validation information and includes data validation case narratives.

C2 INVESTIGATION APPROACH

This section presents the conceptual site model (CSM) for PAHs in soil and the data quality objectives (DQOs) developed to investigate the CSM. This section also discusses sampling design, field investigation activities, and data quality and validation results for the 2002 PAH assessment.

C2.1 Conceptual Site Model

PAHs in the fill material at Alameda Point are believed to have originated from former petroleum industry activities (e.g., manufactured gas plants and refineries) in the region before the Navy occupied the area. It is likely that these industries released waste, including PAHs, into the San Francisco Bay and what is now the Oakland Inner Harbor. PAHs are persistent in the environment due to low water solubility and high affinity for sorption to organic matter/clays; therefore, PAHs tend to accumulate in sediments like those found in the San Francisco Bay. When dredged bay sediments were used as fill material, it is likely that these sediments contained PAHs (Figure C-3). Because PAH contamination in fill material at Alameda Point is likely to be ubiquitous both horizontally and vertically, a grid sampling method was selected to characterize the nature and extent of the potential PAH contamination at the eight transfer parcels.

C2.2 Data Quality Objectives

As detailed in the draft final Work Plan (BEI 2002a), DQOs were developed following U.S. EPA guidance (U.S. EPA 2000a, 2000b). The DQOs used for the fieldwork described in this PAH Field Activity Summary are presented in Table C-2; the DQOs have been updated from those presented in the draft final Work Plan (BEI 2002a) to reflect the assessment of PAH concentrations at eight transfer parcels at Alameda Point.

C2.3 Sampling Design

The 2002 PAH assessment was designed to collect sufficient data to assess levels of PAHs in the artificial fill material associated with eight transfer parcels. This assessment used a grid-based boring location pattern (aligned with north-south and east-west axes) to standardize the collection of samples of fill soils. The sampling density was one sample per 2 acres for transfer parcels slated for residential or mixed reuse (i.e., Transfer Parcels EDC-5, EDC-12, EDC-17, EDC-21, and PBC-3) and one sample per 5 acres for transfer parcels slated for recreational reuse (i.e., Transfer Parcels FED-1A, PBC-1A, and EDC-3). Method reporting limits for previous PAH sampling at Alameda Point were too high to estimate risks associated with PAHs for over 90 percent of the samples analyzed; as a result, an analytical method with sufficiently low reporting limits was chosen for the 2002 PAH assessment (U.S. EPA Method 8270C, semivolatile organic compounds by gas chromatography/mass spectrometry with selected ion monitoring [SIM]).

C2.4 Field Investigation Summary

Field activities were conducted in accordance with the draft final Work Plan (BEI 2002a) and CLEAN Program standard operating procedures (SOPs) (BNI 2002). Subtasks completed as part of the PAH assessment are described in the following subsections.

C2.4.1 BOREHOLE LOCATION SURVEY

Before utility clearance, a California Registered Land Surveyor (CALVADA Surveying, Inc., Corona, California) established preliminary soil borehole locations with a site survey. Geographic information system and global positioning system technologies were used to locate 306 boreholes at the eight transfer parcels. Each location was given a discrete, sequential identification number that also referred to the site at which the borehole was located. A complete discussion of identification of samples and locations is presented in the draft final Work Plan (BEI 2002a).

Some boreholes were relocated during field sampling activities, due either to subsurface utility issues or sampler refusal, i.e., failure to advance the sampler during two consecutive attempts. These borehole locations were resurveyed subsequent to completion of soil sampling activities. The initial round of surveying took place between April 25 and May 7, 2002, and the final round of surveying was conducted on June 3, 2002.

Borehole locations are referenced to the State Plane Coordinate System, North America, North American Datum (NAD) 1983. Northings/eastings are based on NAD 83 coordinate grids. Elevations were then assigned based on the North American Vertical Datum 1988. The measurements are accurate to plus or minus 0.01 foot vertically and to plus or minus 0.1 foot horizontally. Values for each borehole location were entered into the Bechtel Environmental Integrated Data Management System.

C2.4.2 UTILITY CLEARANCE AND GEOPHYSICAL SURVEY

Underground Services Alert, also referred to as Dig Alert, was used in conjunction with a geophysical subcontractor (NORCAL Geophysical Consultants, Inc., Petaluma, California) to assure that proposed boreholes were not located where they might encounter subsurface obstructions or buried utilities. The geophysical subcontractor used ground-penetrating radar and electromagnetic line-locating methods to evaluate the 306 boring locations. Geophysical clearance was conducted between April 25 and May 29, 2002. Sites were cleared sequentially so that no subsurface investigation activities took place prior to the completion of utility clearance activities.

The area within a 5-foot radius of each subsurface sampling location was cleared using the following protocol.

1. Dig Alert was notified, and meetings were scheduled with interested parties potentially affected by planned drilling activities. Due to the number of sampling locations, proposed borehole location maps were given to the potentially affected parties.

   Utility companies investigated the location of subsurface utility lines in the immediate vicinity of each proposed sampling location. When a location was

clear, the utility company would mark "OK" or a dot with red spray paint. When a location was found to have an obstruction, the utility company used color-coded spray paint to indicate that a new location was required.

2. Before borehole advancement, the geophysical subcontractor cleared each proposed sampling location for potential subsurface obstructions. When a location was found to have an obstruction, a new borehole location was marked.

3. A hand auger was advanced to a depth of 4 to 5 feet below ground surface (bgs) (for this investigation, ground surface refers to the top of the soil layer, excluding concrete, asphalt, gravel subbase, topsoil, and sod root zone) at each borehole to manually check for obstructions. The direct-push borehole was advanced adjacent to the hand-augered borehole, because soil samples were collected at depths shallower than 4 to 5 feet bgs.

C2.4.3 CORING/DIRECT-PUSH SAMPLING

Between April 27 and June 2, 2002, the drilling subcontractor (Precision Sampling, Inc., Richmond, California) performed coring and direct-push sampling activities as part of the PAH assessment. If present, asphalt or concrete was cored, and the surface soil was cleared of visible asphalt particles before sampling. The direct-push method involves use of a mounted hydraulic/percussion drive point. The hydraulic/percussion drive point was advanced downward through the soil. A retractable piston inside the sampler prevented soil collection until the desired sampling depth was reached. The direct-push rods were advanced to the desired depth, where a soil sample was collected in either a split-barrel sampler with stainless steel liners or a hollow-core rod with a butyrate liner.

Each soil boring was visually observed, described, and logged under the direction of a California Professional Geologist and in accordance with SOP 3, Borehole Logging (BNI 2002). Soil boring descriptions included lithology, color, relative density or consistency, moisture, grain size, texture, and other physical features. Soil types were classified according to the Unified Soil Classification System (DOI 1985). Geologic borehole logs for all sampling locations are presented by site on CD in Attachment C2. When the marsh crust layer (an organic-rich peat and grass layer) was encountered, drilling at that location was stopped, and only the fill material above was homogenized and sampled. When native material (e.g., the Young Bay Mud) was encountered at less than 8 feet bgs, it was included in the sample.

Two types of field instruments were used during direct-push sampling to monitor for potentially toxic contaminants:

- flame ionization detector (FID) used in the borehole and in the breathing zone to screen for the presence of volatile organic compounds
- combustible gas indicator used in the borehole to screen for explosive gases

In addition, visual indications of contamination were noted in the field logbook and boring logs.

C2.4.4 SAMPLING METHODOLOGY

Soil samples were collected from the direct-push borings by extraction from the butyrate or stainless steel liners. Extracted samples were placed on a sample table covered with a clean (borehole-dedicated) plastic liner. Samples were extracted from the liner or sleeve in a noninvasive manner that allowed for sample preservation and vertical continuity. Next, the linear core was laid out on the sample table while still inside the butyrate liner, such that a photograph could be taken (with an informational sign describing the sample location, time, and identifying the top of the core). Upon inspection by a field geologist, sample sections representing fill intervals of 0 to 0.5 foot, 0.5 foot to 2 feet, 2 to 4 feet, and 4 to 8 feet bgs were each transferred with a separate plastic scoop into an aluminum tray. Each sample was then homogenized based on the procedure outlined in the draft final Work Plan (BEI 2002a) and the U.S. EPA Region 4 Environmental Investigation Standard Operating Procedures and Quality Assurance Manual (U.S. EPA 2001). This field homogenization consisted of the following quartering procedure performed in a dedicated, disposable aluminum tray.

1. The material in the sample pan was divided into quarters, and each quarter was mixed individually using a dedicated, disposable plastic scoop.
2. Two quarters were then combined to form halves.
3. The two halves were mixed to form a homogeneous matrix.
4. The procedure was repeated several times until the samples were adequately mixed.

Each individual sample was placed in an 8-ounce glass jar provided by the laboratory for shipment. Samples were analyzed for semivolatile organic compounds using U.S. EPA Method 8270C SIM.

The Sampling and Analysis Plan attached to the draft final Work Plan (BEI 2002a) outlined the planned collection of a total of 1,224 samples (306 locations at four depths) at the eight transfer parcels. Upon project completion, 1,201 samples (from 305 locations) had been collected; 23 samples were not collected during the field effort due to sampler/hand-auger refusal, poor recovery, elevated FID/lower explosive limit concentrations, or the presence of marsh crust. The number of samples collected at each transfer parcel is shown by depth interval in Table C-3. There was only one borehole (32EDC-12-17) where no samples could be collected.

In addition, 119 duplicate samples, 21 rinsate samples, and 2 source blank samples were collected for quality control (QC) purposes during the field program.

C2.4.5 SAMPLE CUSTODY AND DOCUMENTATION

Samples were collected and documented in accordance with CLEAN Program SOPs. Sample identification, storage, and shipment and chain-of-custody records are outlined in this subsection.

Identification of Samples and Locations

All environmental media samples collected to support this project were given unique ten-character identifiers as described in attachments to the draft final Work Plan (BEI 2002a) (Attachment A, Sampling and Analysis Plan, and Attachment B, Data Management Plan) and CLEAN Program Procedure T 2.2, Sample Information Management System (BNI 2002). The ten-character identifier consisted of a four-character CTO identifier, a four-character sequential sample number, and a two-digit sequential container number (01 for the first sample container, 02 for the second):

Example: C032000402

where

C032 = the project CTO number
0004 = the sequential sample number (in this case, fourth sample collected)
02 = the sample container identification number

In addition, the sample locations were also given unique 7-to-10-character identifiers which contained two hyphens. The sample location identifier consisted of a 2-character CTO identifier, a hyphenated 4- or 5-character parcel identifier, and, following a second hyphen, a 1- to 3-character sequential borehole identifier:

Example: 32EDC-5-18

where

32 = the project CTO number
EDC-5 = the transfer parcel
18 = the sequential borehole number

Sample Storage and Shipment

Upon collection, samples were preserved in accordance with procedures described in U.S. EPA SW-846 (U.S. EPA 2000c). Field and QC samples were maintained at approximately 4 degrees Celsius until shipment to the laboratory. The following procedure was used to pack samples for shipment.

1. A sample label was attached to each container and covered with packing tape to prevent moisture damage.
2. A custody seal was placed over the container lid/jar seal to prevent tampering before sample analysis.
3. All glass containers were wrapped in bubble-wrap and sealed in zip-lock bags.
4. Coolers were packed with samples, and ice was used to fill all possible void space. All contents were double-bagged to prevent leakage during shipment.
5. The completed chain-of-custody forms were placed inside a sealed zip-lock bag and taped to the inside of each cooler lid.
6. The cooler seal was covered with two custody seals (one front, one back). Custody seals were then covered with clear packing tape to prevent accidental breaks.

7. The closed cooler was secured with filament-type strapping tape to assure contents did not spill during sample shipment (by FedEx) to the analytical laboratory.

Chain-of-Custody Records

Chain-of-custody protocols, defined in SOP 10, Sample Custody, Transfer, and Shipment (BNI 2002), were followed during the sampling program. Chain-of-custody records accompanied the samples from the field to the laboratory. The records were maintained from the time of sample collection to the time of submittal to delivery courier.

Chain-of-custody records were signed as relinquished or received each time the sample changed possession. The signed chain-of-custody form was sealed in a zip-lock bag and taped to the inside of the cooler lid. Signed custody seals were then attached over the lid/cooler seal to prevent tampering with samples during shipment to the laboratories. Chain-of-custody documentation is presented on CD in Attachment C3.

C2.4.6 INVESTIGATION-DERIVED WASTE MANAGEMENT

Investigation-derived waste (IDW) handling procedures followed the IDW Management Plan included as Attachment D to the draft final Work Plan (BEI 2002a). IDW generated during the PAH assessment activities included soil cuttings, concrete and asphalt cores, personal protective equipment, and decontamination water. IDW was placed into 55-gallon drums, a roll-off bin, and a Baker tank, which were all sealed, labeled, and stored in a designated temporary storage area near the on-site field trailer. This temporary storage area was fenced and locked to prevent tampering.

During fieldwork, the Site Safety and Health Representative maintained records of the following at the field trailer: IDW-container identification number; contents; generator's name, address, and phone number; generation date; and CTO number. All IDW containers were managed as potentially hazardous material in accordance with Title 22 *California Code of Regulations*, Division 4.5, Chapter 10. Specifically, drums were stored on pallets, the Baker tank was stored in a plastic secondary containment device, and the roll-off bin was stored on plastic sheeting. All IDW containers were inspected weekly, and inspection reports were submitted to the BEI Safety and Health Manager.

On August 7, 2002, following receipt of the analytical results for waste profiling, IDW from one Baker tank and twenty-four 55-gallon drums was transferred by the waste management subcontractor (Ecology Control Industries, Torrance, California) to the Crosby and Overton facility for nonhazardous waste in Long Beach, California.

C2.4.7 DEVIATIONS FROM THE DRAFT FINAL WORK PLAN

Three primary deviations from the draft final Work Plan (BEI 2002a) occurred during the fieldwork portion of the investigation. Two of the three deviations relate to improved soil sampling techniques. The first modification was to use stainless steel liners during sampling rather than the butyrate liners discussed in the draft final Work Plan. During field sampling, the presence of heaving sands resulted in butyrate liners being locked within the sample barrel. When this happened, the samples had to be extracted from the

sample barrel with a mallet, thus reducing the ability to accurately separate samples by depth. Therefore, stainless steel barrel liners were used because they were less likely to become locked within the sample barrel.

The second modification was made to the homogenization procedure. The draft final Work Plan (BEI 2002a) describes the homogenization procedure for each soil sample as a repeated quartering and mixing process. In addition to this quartering and mixing process, soil was "folded" from the bottom of the tray into the top of the tray. The folding process prevented the settling of finer-grained materials and provided a homogenized sample representative of all grain sizes.

The third modification was made at the request of the tenants in the residential areas where sampling was conducted. The tenants asked that the top 6 inches in each boring be backfilled with topsoil such that grassy or garden areas would not contain a solid core at the ground surface. To accommodate this request, the top 6 inches in each boring was backfilled with topsoil purchased from a local hardware store.

C2.5 Data Quality and Validation

Field and laboratory QC samples were collected during the PAH assessment. QC for analytical data included data verification and validation. These activities were performed to assure that the analytical data obtained from the field activities at Alameda Point were adequate to meet the established DQOs of the draft final Work Plan (BEI 2002a). Attachment C4 contains a detailed description of the data quality tasks conducted for the PAH assessment. Table C-4 shows a breakdown of data quality by transfer parcel. In summary, results from 12 analytes in 15 samples were rejected due to recovery values that fell below acceptance limits of the analytical method. This resulted in 99.9 percent of the data collected being usable (20,409 out of 20,434 analytes).

C3 DATA PRESENTATION

Seventeen PAH compounds were analyzed for and evaluated during the 2002 PAH assessment; seven of these PAH compounds were carcinogenic (cancer-causing) and ten compounds were noncarcinogenic. To simplify the discussion of analytical results, benzo(a)pyrene (B[a]P) equivalent concentrations were calculated for each sample. This section presents the methodology used in this PAH Field Activity Summary for calculating B(a)P equivalent concentrations for carcinogenic PAHs and provides a summary of the PAH assessment results. It also compares B(a)P equivalent concentrations with the human-health screening criterion (620 micrograms per kilogram [μg/kg]) and compares the noncarcinogenic PAH concentrations with U.S. EPA Region 9 human-health PRGs for soil under a residential land-use scenario (U.S. EPA 2002).

C3.1 Calculation of Benzo(a)pyrene Equivalent Concentrations

The characterization of chemical contamination at the eight transfer parcels focused on the evaluation of carcinogenic PAHs by normalizing the toxicity of each carcinogenic PAH relative to the toxicity of B(a)P. Because B(a)P is the only carcinogenic PAH for

which U.S. EPA publishes a cancer slope factor, B(a)P equivalent concentrations were calculated for each of the following seven carcinogenic PAHs:

- benz(a)anthracene
- benzo(b)fluoranthene
- benzo(k)fluoranthene
- B(a)P
- chrysene
- dibenz(a,h)anthracene
- indeno(1,2,3-cd)pyrene

Toxicity equivalency factors for these seven PAHs are shown in Table C-5 (U.S. EPA 1993).

Each carcinogenic PAH concentration was multiplied by the assigned toxicity equivalency factor and the results were summed to achieve a total B(a)P equivalent concentration. For results reported as "nondetect" (i.e., qualified as "U" [analyte not reported above the detection limit] or "UJ" [analyte was analyzed for but not detected; the sample detection limit is an estimated value]), a value of one-half the detection limit was used. Estimated values ("J" qualified) were used without modification. For samples with associated field duplicates, the highest analyte concentration was selected to represent the sample results.

C3.2 Polynuclear Aromatic Hydrocarbon Assessment Results

To put the results of the B(a)P equivalent values into context, the results were compared with a human-health screening criterion of 620 μg/kg. This criterion was the lowest value agreed upon by the Navy, regulatory agencies, and the City of Alameda during the PAH technical meeting on May 31, 2001 (SWDIV 2001). This screening criterion corresponds to a risk of 1×10^{-5}. Section C3.2.1 summarizes the comparison for the B(a)P equivalent data.

This PAH Field Activity Summary considered PRGs calculated by U.S. EPA Region 9 under a residential land-use scenario (U.S. EPA 2002). Of the ten noncarcinogenic PAHs, PRGs were available for six. Surrogate PRGs were selected to enable evaluation of the remaining four constituents. These surrogate PRGs were based on chemical similarity with compounds for which PRGs have been developed. Table C-6 presents the PRGs used as the human-health screening criteria for the noncarcinogenic PAHs.

C3.2.1 CARCINOGENIC POLYNUCLEAR AROMATIC HYDROCARBONS

A total of 1,202 soil samples (1,224 planned samples minus 22 uncollectable samples) were collected during the PAH assessment. Analytical results for six carcinogenic analytes in 15 samples were rejected for use after data validation and verification (Attachment C4); analytical results for the remaining 1,187 samples (1,202 minus the

15 rejected samples) were determined to be usable. B(a)P equivalent concentrations were calculated for each of these 1,187 samples.

A summary of B(a)P equivalent results for all sites is presented in Table C-7. This table presents the total number of B(a)P equivalent concentrations at each site that exceed the screening criterion of 620 µg/kg, as well as that number expressed as a percentage of the total number of samples collected at each site. Figures C-4 through C-8 show these data graphically. Tables in Attachment C1 present the complete analytical data for carcinogenic PAHs.

Transfer Parcel EDC-5 had the highest percent (6 percent) of B(a)P equivalent concentrations above 620 µg/kg. At Transfer Parcel EDC-5, 31 samples (out of 540 total) had B(a)P equivalent concentrations above 620 µg/kg. All of these samples were fairly evenly distributed across the four depth intervals. The 31 samples with concentrations exceeding 620 µg/kg were predominantly located in the northeastern portion of the transfer parcel (see Figure C-8).

Nine samples (out of 316 total) at Transfer Parcel FED-1A had B(a)P equivalent concentrations above 620 µg/kg. The nine samples with concentrations exceeding 620 µg/kg were from locations in the southeastern portion of the site and generally seem to follow the layout of the former runway.

Transfer Parcels EDC-3, EDC-12, EDC-17, and PBC-3 had no B(a)P equivalent concentrations above 620 µg/kg. At Transfer Parcel EDC-21, one sample (out of 43 total) had a B(a)P equivalent concentration above 620 µg/kg. At Transfer Parcel PBC-1A, two samples (out of 38 total) had B(a)P equivalent concentrations above 620 µg/kg.

C3.2.2 NONCARCINOGENIC POLYNUCLEAR AROMATIC HYDROCARBONS

Noncarcinogenic PAH concentrations ranged from 0.30 µg/kg (2-methylnaphthalene) at Transfer Parcel EDC-12 to 72,000 µg/kg (pyrene) at Transfer Parcel EDC-5. Complete analytical results for the noncarcinogenic PAHs are presented in Attachment C1, Tables C1-9 through C1-16.

C4 SUMMARY

PAH-specific soil sampling and analysis were conducted at eight transfer parcels at Alameda Point. The primary purpose of the PAH assessment was to collect PAH-specific data at eight transfer parcels where no PAH release or disposal had been documented. Soil samples were analyzed for PAHs by the laboratory using U.S. EPA Method 8270C SIM. This analytical method has lower detection limits than other methods and provided a more accurate data set than methods used in previous investigations.

The 2002 PAH assessment used a grid-based boring location pattern (aligned with north-south and east-west axes) to standardize the collection of samples of fill soils. The sampling density was one sample per 2 acres for transfer parcels proposed for residential

or mixed reuse (i.e., Transfer Parcels EDC-5, -12, -17, -21, and PBC-3) and one sample per 5 acres for transfer parcels proposed for recreational reuse (i.e., Transfer Parcels FED-1A, PBC-1A, and EDC-3). Four samples were collected at each boring location from the following depth intervals: 0.0 to 0.5 foot, 0.5 foot to 2.0 feet, 2.0 to 4.0 feet, and 4.0 to 8.0 feet bgs. These depth intervals were chosen to characterize soil to which a person might be exposed under four possible exposure scenarios.

B(a)P equivalent concentrations were calculated for 1,202 soil samples collected during the PAH assessment. These B(a)P equivalent concentrations were compared with the human-health screening criterion of 620 µg/kg. Transfer Parcel EDC-5 had the highest percentage (6 percent) of B(a)P equivalent concentrations above 620 µg/kg. At Transfer Parcel EDC-5, 31 samples (out of 540 total) had B(a)P equivalent concentrations above 620 µg/kg. Nine samples (out of 316 total) at Transfer Parcel FED-1A had B(a)P equivalent concentrations above 620 µg/kg. Transfer Parcels EDC-3, -12, -17, and PBC-3 had no B(a)P equivalent concentrations above 620 µg/kg. At Transfer Parcel EDC-21, one sample (out of 43 total) had a B(a)P equivalent concentration above 620 µg/kg. At Transfer Parcel PBC-1A, two samples (out of 38 total) had B(a)P equivalent concentrations above 620 µg/kg.

C5 REFERENCES

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BNI. *See* Bechtel National, Inc.

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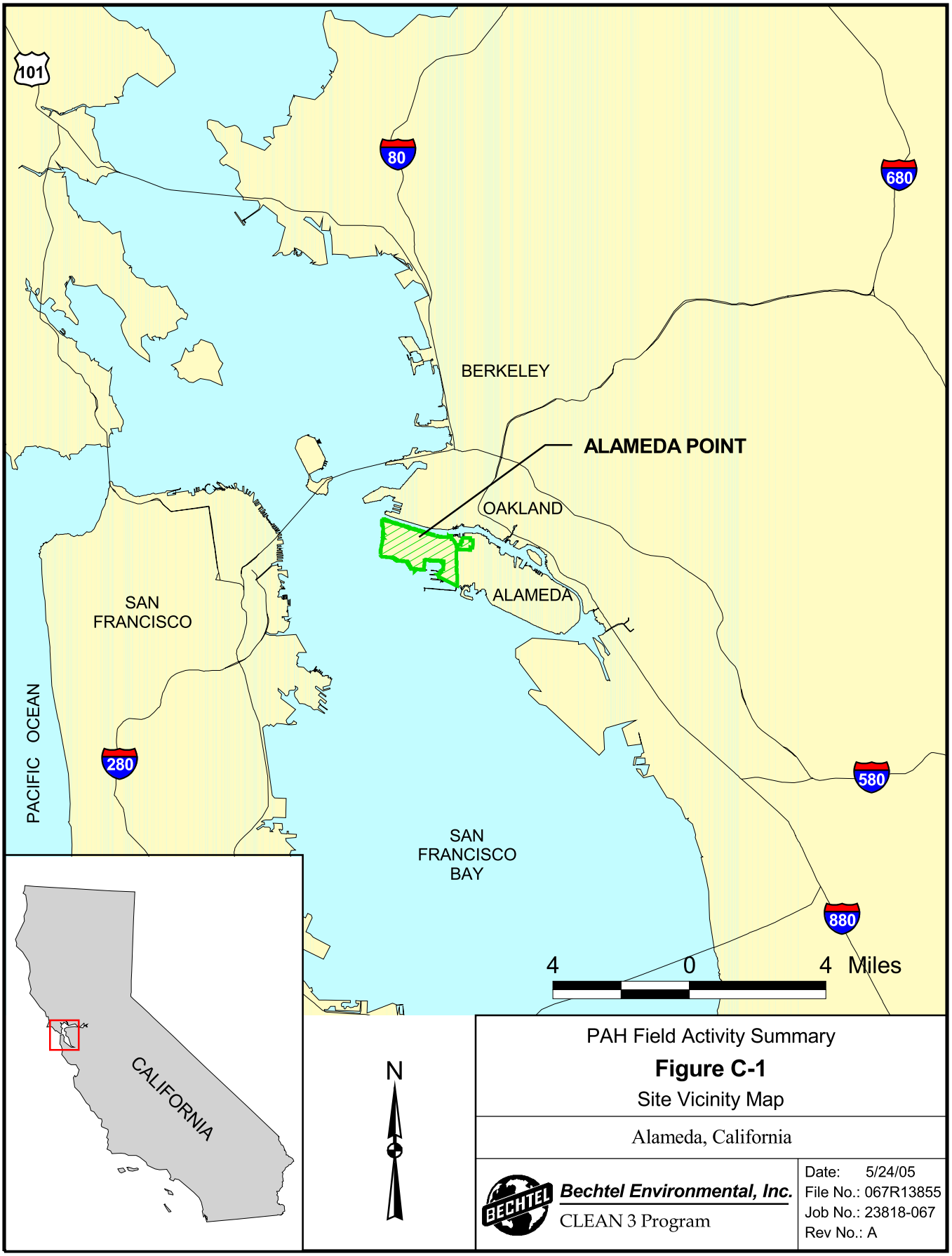
N00236.002824
ALAMEDA POINT
SSIC NO. 5090.3

FIGURES

FINAL
SITE INSPECTION REPORT
TRANSFER PARCEL EDC-12

DATED 10 OCTOBER 2007



PAH Field Activity Summary

Figure C-1

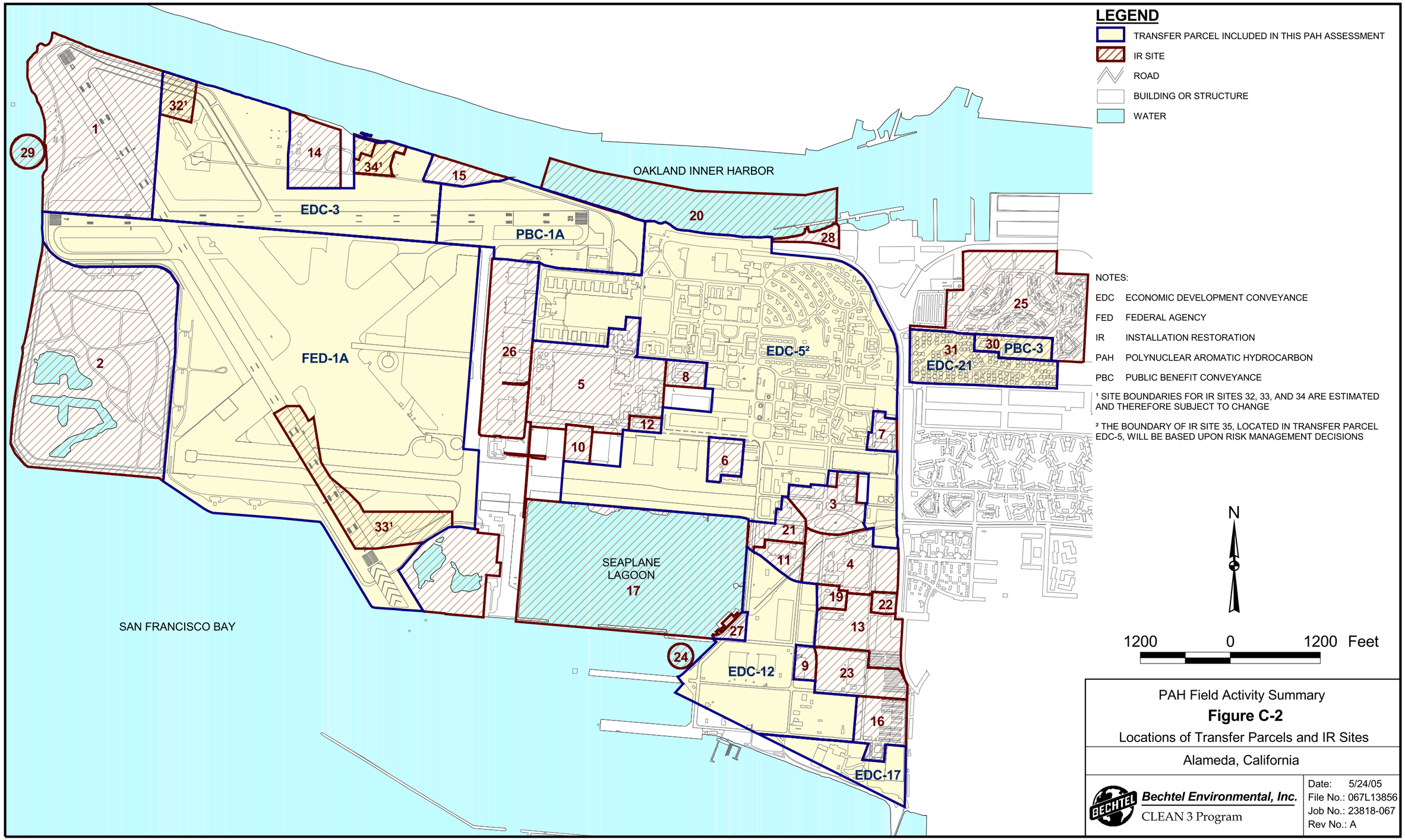
Site Vicinity Map

Alameda, California

Bechtel Environmental, Inc.

CLEAN 3 Program

Date: 5/24/05
File No.: 067R13855
Job No.: 23818-067
Rev No.: A



LEGEND

- TRANSFER PARCEL INCLUDED IN THIS PAH ASSESSMENT
- IR SITE
- ROAD
- BUILDING OR STRUCTURE
- WATER

NOTES:

EDC ECONOMIC DEVELOPMENT CONVEYANCE

FED FEDERAL AGENCY

IR INSTALLATION RESTORATION

PAH POLYNUCLEAR AROMATIC HYDROCARBON

PBC PUBLIC BENEFIT CONVEYANCE

¹ SITE BOUNDARIES FOR IR SITES 32, 33, AND 34 ARE ESTIMATED AND THEREFORE SUBJECT TO CHANGE

² THE BOUNDARY OF IR SITE 35, LOCATED IN TRANSFER PARCEL EDC-5, WILL BE BASED UPON RISK MANAGEMENT DECISIONS

N

1200 0 1200 Feet

PAH Field Activity Summary

Figure C-2

Locations of Transfer Parcels and IR Sites

Alameda, California

Bechtel Environmental, Inc.

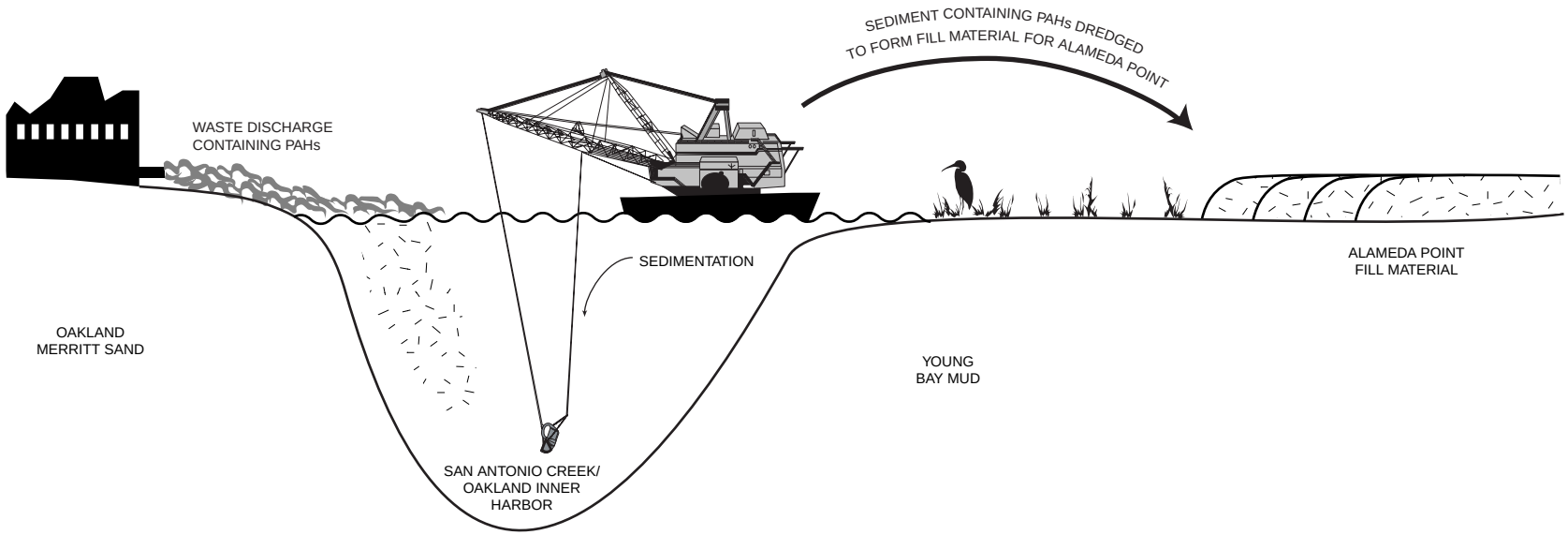
CLEAN 3 Program

Date: 5/24/05

File No.: 067L13856

Job No.: 23818-067

Rev No.: A



NOTE:

PAH - POLYNUCLEAR AROMATIC HYDROCARBON

PAH Field Activity Summary

Figure C-3

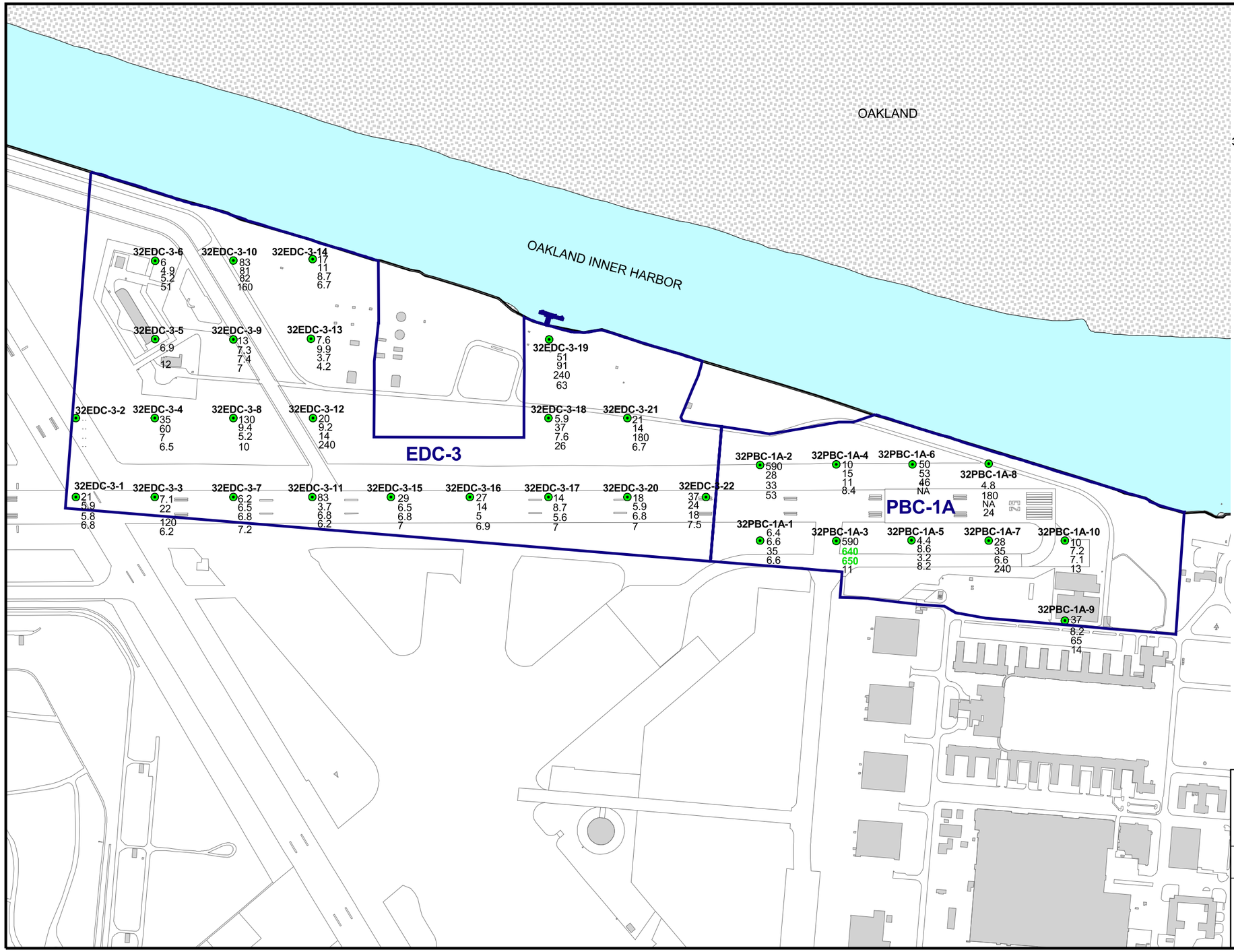
Conceptual Site Model

Alameda, California

Bechtel Environmental, Inc.

CLEAN 3 Program

Date: 5/25/05
File No.: 067X13862
Job No.: 23818-067
Rev No.: A



LEGEND

- TRANSFER PARCEL BOUNDARY
- ROAD
- BUILDING OR STRUCTURE
- WATER

32PBC-1A-10
10
7.2
7.1
13

2002 PAH ASSESSMENT SAMPLING LOCATION AND B(a)P EQUIVALENT CONCENTRATIONS IN µg/kg

- 0 – 0.5 FOOT bgs
- 0.5 FOOT – 2 FEET bgs
- 2 – 4 FEET bgs
- 4 – 8 FEET bgs

NOTES:

--	DASH INDICATES B(a)P EQUIVALENT CONCENTRATION NOT AVAILABLE - DATA REJECTED DURING VALIDATION
640	BOLDFACE TYPE INDICATES B(a)P EQUIVALENT CONCENTRATION GREATER THAN 620 µg/kg
B(a)P	BENZO(a)PYRENE
bgs	BELOW GROUND SURFACE
EDC	ECONOMIC DEVELOPMENT CONVEYANCE
µg/kg	MICROGRAMS PER KILOGRAM
NA	UNABLE TO COLLECT SAMPLE
PBC	PUBLIC BENEFIT CONVEYANCE
PAH	POLYNUCLEAR AROMATIC HYDROCARBON

N

600 0 600 Feet

PAH Field Activity Summary

Figure C-4

B(a)P Equivalent Concentrations at Transfer Parcels EDC-3 and PBC-1A

Alameda, California

Bechtel Environmental, Inc.
CLEAN 3 Program

Date : 5/24/05
File No.: 067L13857
Job No.: 23818-067
Rev No.: A

OAKLAND INNER HARBOR

EDC-5

SEAPLANE LAGOON

32EDC-5-34 43 3900 31 57
32EDC-5-44 29 27 34 250
32EDC-5-33 190 610 570 1400
32EDC-5-43 170 410 66 100
32EDC-5-53 30 47 230 150
32EDC-5-63 63 42 290 94
32EDC-5-76 6.1 6.7 5.7 110
32EDC-5-89 24 14 30 2200
32EDC-5-16
32EDC-5-4A 9.6 6.8 180 10
32EDC-5-10 43 8.9 33 97
32EDC-5-21 11 11 11 120
32EDC-5-32 66 37 6.9 190
32EDC-5-42 38 23 1100 18
32EDC-5-52 21 44 23 73
32EDC-5-62 13 39 54 15
32EDC-5-75 29 4.5 160 4.4
32EDC-5-88 120 1000 23 3.3
32EDC-5-99 61 19 6.7 5.6
32EDC-5-109 6.2 18 9.6 5.7
32EDC-5-118 310 250 17 3.7
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32EDC-5-3 87 32 12 37
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32EDC-5-20 33 33 99 22
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32EDC-5-74 370 170 51 NA
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32EDC-5-98 320 210 150 10
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32EDC-5-117 38 33 83 220
32EDC-5-126 950 580 1400 530
32EDC-5-2 67 8.3 7.2 6.7
32EDC-5-8 30 1.7 6.2 6
32EDC-5-14 11 11 11 12
32EDC-5-19 48 12 7.4 6.7
32EDC-5-30 38 43 6.3 29
32EDC-5-40 15 59 14 47
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32EDC-5-60 130 170 40 110
32EDC-5-73 120 11 260 5200
32EDC-5-86 15 610 200 2000
32EDC-5-97 79 160 210 900
32EDC-5-107 17 29 59 30
32EDC-5-116 55 24 14 26
32EDC-5-125 250 14 750 540
32EDC-5-136 170 210 33 110
32EDC-5-1 5.8 6 6.2 6.3
32EDC-5-7 49 12 990 19
32EDC-5-13A 15 8.6 6.2 8.7
32EDC-5-29 44 5.7 12 14
32EDC-5-39 6.4 11 340 12
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32EDC-5-59 8.6 3.4 4.1 1.8
32EDC-5-72 16 49 47 67
32EDC-5-85 210 510 600 44
32EDC-5-96 630 46000 720 990
32EDC-5-106 13 46 26 6.6
32EDC-5-115 26 7.7 NA NA
32EDC-5-124 130 56 54 570
32EDC-5-135 1400 640 120 140
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32EDC-5-84 190 130 17 6.9
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32EDC-5-105 25 50 75 400
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32EDC-5-123 73 10 78 220
32EDC-5-134 75 72 240 740
32EDC-5-55 81 8 3.9 4.3
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32EDC-5-70 38 14 12 250
32EDC-5-83 19 3.1 2.2 8.8
32EDC-5-94 43 21 54 18
32EDC-5-104 17 120 90 120
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32EDC-5-133 5.8 48 5.9 55
32EDC-5-69 7.2 9.3 5.5 47
32EDC-5-82 6 5.9 47 38
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32EDC-5-132 1200 490 110 5.8
32EDC-5-56 21 35 14 7.1
32EDC-5-81 15 7.3 14 21
32EDC-5-92 1000 8.7 17 6
32EDC-5-102 23 18 36 59
32EDC-5-111 9.6 43 39 20
32EDC-5-120 490 170 22000 480
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32EDC-5-48 210 23 6.3 6.7
32EDC-5-68 34 6 6.2 6.8
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32EDC-5-101 1000 64 150 72
32EDC-5-110 24 6.8 44 89
32EDC-5-119 39 23 6 57
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32EDC-5-28 5.3 6.7 6.6 7.2
32EDC-5-37 7.5 6.7 6.5 7
32EDC-5-47 2.8 5.8 3.2 4.3
32EDC-5-67 23 19 10 6.7
32EDC-5-80 11 6.7 6 6.7
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32EDC-5-12 5.8 6.1 6.6 6.9
32EDC-5-18 6 4.8 6.6 6.9
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32EDC-5-11 4.3 6.5 6.6 7
32EDC-5-17 6.8 6.7 6.9 7
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32EDC-5-45 6.5 12 9.3 7
32EDC-5-54 3.6 1.8 6.9 6.9
32EDC-5-65 49 6.6 12 9.7
32EDC-5-78 7.2 8.8 6.1 25
32EDC-5-130 57 40 130 22
32EDC-5-5 6.6 6.8 6.8 6.8
32EDC-5-77 9 6.6 6.2 7.7
32EDC-5-129 43 12 31 61
32EDC-5-64 11 20 120 9.5
32EDC-5-128 6.2 95 180 31

LEGEND

- TRANSFER PARCEL BOUNDARY
- ROAD
- BUILDING OR STRUCTURE
- WATER

32EDC-5-127 2002 PAH ASSESSMENT SAMPLING LOCATION AND B(a)P EQUIVALENT CONCENTRATIONS IN µg/kg

1200 – 0 – 0.5 FOOT bgs
1700 – 0.5 FOOT – 2 FEET bgs
460 – 2 – 4 FEET bgs
38 – 4 – 8 FEET bgs

NOTES:

640 BOLDFACE TYPE INDICATES B(a)P EQUIVALENT CONCENTRATION GREATER THAN 620 µg/kg

B(a)P BENZO(a)PYRENE

bgs BELOW GROUND SURFACE

EDC ECONOMIC DEVELOPMENT CONVEYANCE

µg/kg MICROGRAMS PER KILOGRAM

NA UNABLE TO COLLECT SAMPLE

PAH POLYNUCLEAR AROMATIC HYDROCARBON

N

500 0 500 Feet

PAH Field Activity Summary

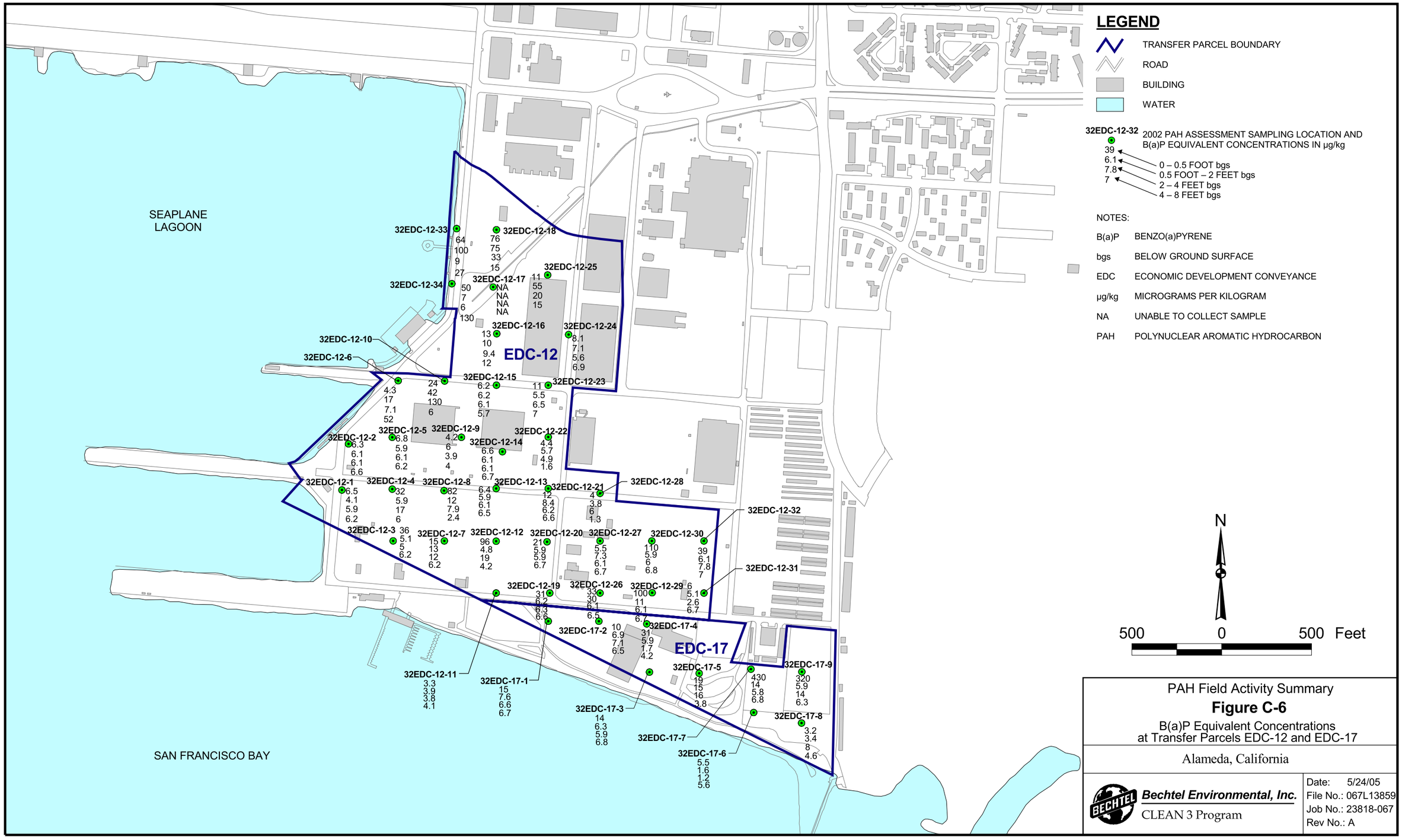
Figure C-5

B(a)P Equivalent Concentrations at Transfer Parcel EDC-5

Alameda, California

Bechtel Environmental, Inc.
CLEAN 3 Program

Date: 5/24/05
File No.:067L13858
Job No.:23818-067
Rev No.: A



PAH Field Activity Summary

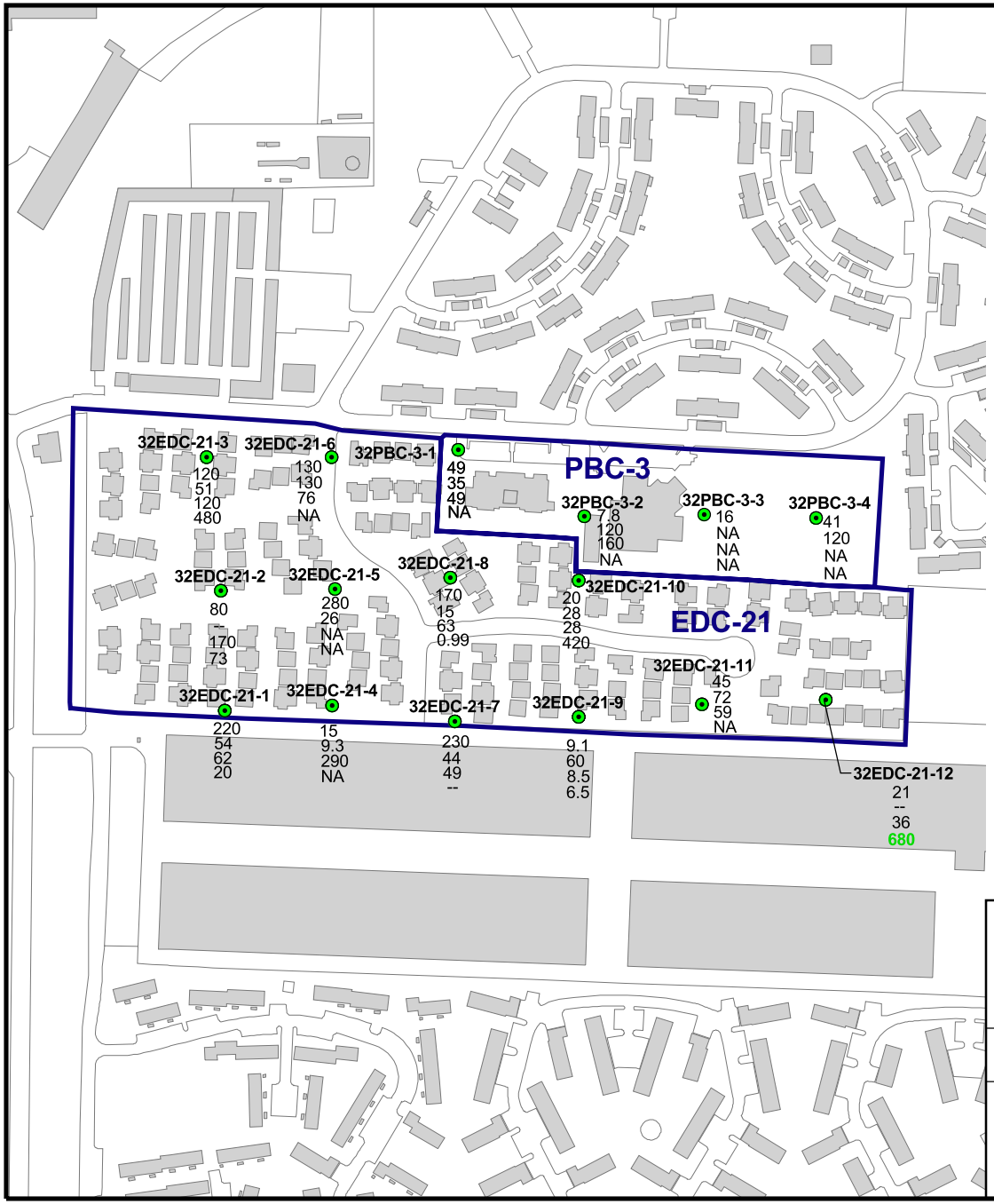
Figure C-6

B(a)P Equivalent Concentrations
at Transfer Parcels EDC-12 and EDC-17

Alameda, California

Bechtel Environmental, Inc.
CLEAN 3 Program

Date: 5/24/05
File No.: 067L13859
Job No.: 23818-067
Rev No.: A



LEGEND

TRANSFER PARCEL BOUNDARY

ROAD

BUILDING

32EDC-21-6 — 2002 PAH ASSESSMENT SAMPLING LOCATION AND B(a)P EQUIVALENT CONCENTRATIONS IN µg/kg

130 — 0 – 0.5 FOOT bgs
130 — 0.5 FOOT – 2 FEET bgs
76 — 2 – 4 FEET bgs
NA — 4 – 8 FEET bgs

NOTES:

--	DASH INDICATES B(a)P EQUIVALENT CONCENTRATION NOT AVAILABLE - DATA REJECTED DURING VALIDATION
680	BOLDFACE TYPE INDICATES B(a)P EQUIVALENT CONCENTRATION GREATER THAN 620 µg/kg
B(a)P	BENZO(a)PYRENE
bgs	BELOW GROUND SURFACE
EDC	ECONOMIC DEVELOPMENT CONVEYANCE
µg/kg	MICROGRAMS PER KILOGRAM
NA	UNABLE TO COLLECT SAMPLE
PBC	PUBLIC BENEFIT CONVEYANCE
PAH	POLYNUCLEAR AROMATIC HYDROCARBON

N

400 0 400 Feet

PAH Field Activity Summary

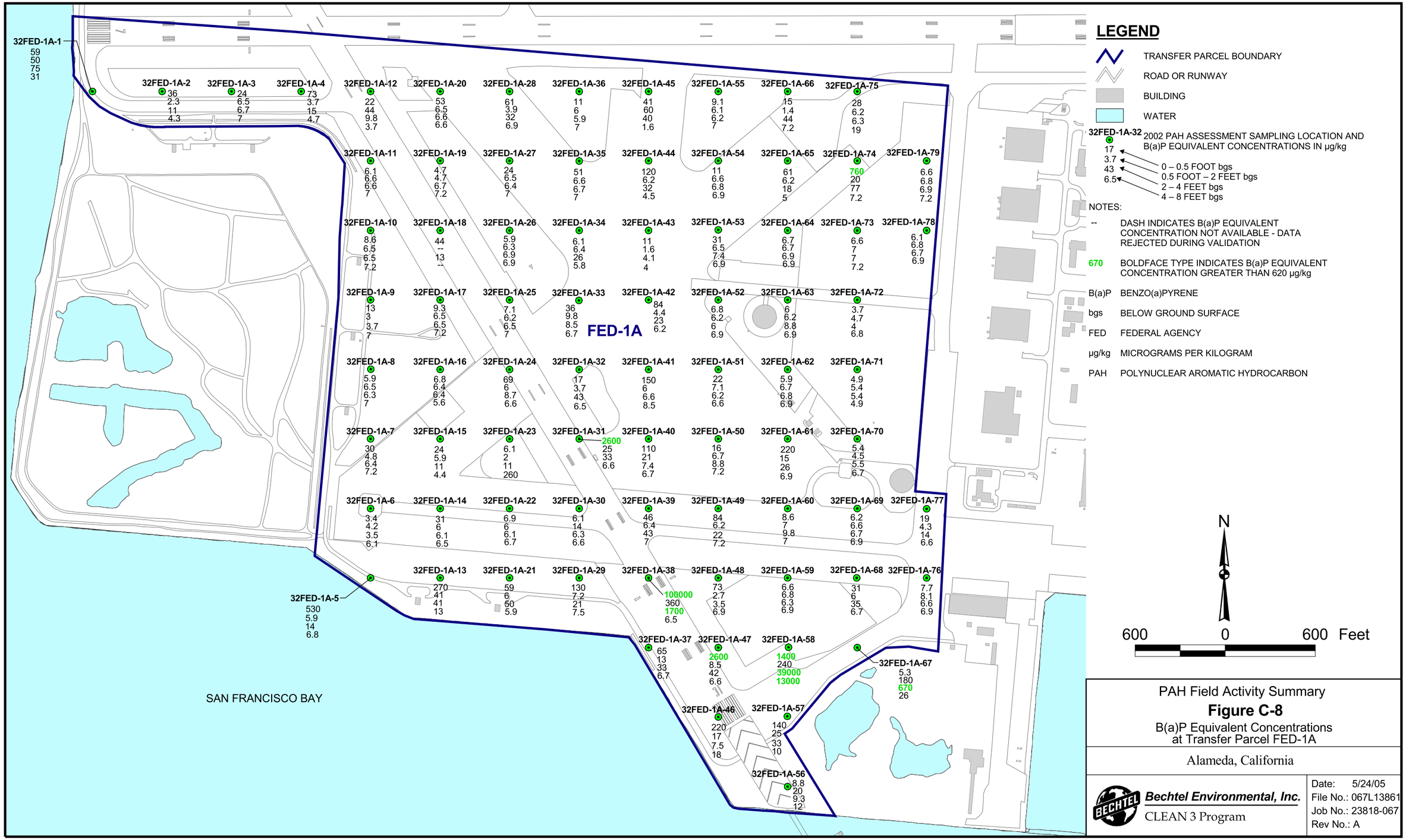
Figure C-7

B(a)P Equivalent Concentrations
at Transfer Parcels EDC-21 and PBC-3

Alameda, California

Bechtel Environmental, Inc.
CLEAN 3 Program

Date: 5/24/05
File No.: 067L13860
Job No.: 23818-067
Rev No.: A



PAH Field Activity Summary

Figure C-8

B(a)P Equivalent Concentrations at Transfer Parcel FED-1A

Alameda, California

Bechtel Environmental, Inc.

CLEAN 3 Program

Date: 5/24/05
File No.: 067L13861
Job No.: 23818-067
Rev No.: A

N00236.002824
ALAMEDA POINT
SSIC NO. 5090.3

TABLES

FINAL
SITE INSPECTION REPORT
TRANSFER PARCEL EDC-12

DATED 10 OCTOBER 2007

Table C-1
Transfer Parcel Characteristics Investigated During PAH Assessment

Transfer Parcel	Size (acres)	GROUNDWATER[a]		BAY MUD[a,b]	
		Depth to Groundwater (feet bgs)	Number of Borings in Which Groundwater Was Encountered[c]	Depth to Bay Mud[b] (feet bgs)	Number of Borings in Which Bay Mud[b] Was Encountered[d]
EDC-3	115	3.0 to 9.0	21/22	3.0 to 7.0	4/22
EDC-5	286	2.5 to 8.5	122/136	4.5 to 8.5	37/136
EDC-12	69	4.0 to 8.5	25/33	not encountered	0/33
EDC-17	17	5.0 to 8.5	7/9	6.0	1/9
EDC-21	24	2.0 to 8.5	5/12	2.5 to 6.5	6/12
FED-1A	400	1.0 to 8.0	79/79	not encountered	0/79
PBC-1A	56	3.0 to 6.5	10/10	6.0 to 7.0	4/10
PBC-3	7	6.5	4/4	4.0 to 5.5	4/4

Notes:
[a] information from boring logs contained in Attachment C2
[b] the Young Bay Mud, which is the upper portion of the Bay Sediment Unit
[c] number of borings in which groundwater was encountered / total number of borings in the transfer parcel
[d] number of borings in which the Bay Mud was encountered / total number of borings in the transfer parcel

Acronyms/Abbreviations:
bgs – below ground surface
EDC – economic development conveyance
FED – federal agency
PAH – polynuclear aromatic hydrocarbon
PBC – public benefit conveyance

Table C-2
Data Quality Objectives

Step 1 State the Problem	Step 2 Identify the Decisions	Step 3 Identify Inputs to the Decisions	Step 4 Define the Study Boundaries	Step 5 Develop Decision Rules	Step 6 Specify Tolerable Limits on Decision Errors	Step 7 Optimize the Sampling Design
PAHs have been reported in artificial fill soils at Alameda Point and other locations in the region. The PAHs are believed to have originated from petroleum industries such as manufactured gas plants and petroleum refineries that operated in the region before the Navy occupied Alameda Point. Fill materials containing PAHs released to the environment by these industries were dredged from the San Francisco Bay and the present-day Oakland Inner Harbor and used to create large portions of Alameda Point that were previously marshes, shallow bays, and low-lying land. Levels of PAHs in artificial fill materials associated with eight transfer parcels at Alameda Point are not currently known. This study will assess the concentrations of PAHs in the fill material and results will be used to determine whether the parcels will be recommended for transfer or for further action.	What are the PAH concentrations in soil at the eight transfer parcels at Alameda Point?	The Navy has designated the boundaries of the eight transfer parcels. Within each transfer parcel, a program designed for unbiased data collection has been established. The program will include a systematic sampling design with data points on a specified grid. The information required will be the concentrations of PAHs reported in soil samples collected from each of the eight transfer parcels and analyzed using U.S. EPA Method 8270C SIM. The information required for data analysis will be the total concentration of seven carcinogenic PAHs normalized for each sample based on relative toxicity (expressed as B[a]P equivalents). This B(a)P equivalent will be used as an indication of the human-health risk associated with PAHs in soil.	The boundaries of the study area are as follows. • The lateral boundaries will encompass the boundaries of the following eight transfer parcels at Alameda Point: EDC-3, -5, -12, -17, -21; FED-1A; PBC-1A, -3. • The vertical boundaries will encompass artificial fill soil from the ground surface (excluding concrete, asphalt, gravel subbase, topsoil, and the sod root zone) to approximately 8 feet bgs. If the marsh crust is encountered, it will be the vertical lower limit. No samples will be collected at or below the marsh crust. • The investigation will be conducted in 2002.	If the minimum amount of data is collected to reliably calculate PAH concentrations at each of the eight transfer parcels, then transfer decisions can be made. If the minimum amount of data is not collected to reliably calculate PAH concentrations at each of the eight transfer parcels, then transfer decisions can not be made and additional samples may need to be collected.	Sampling design error and measurement error will be limited to the extent practicable. Sampling design error was limited in this study by establishing a grid with a randomly determined origin and a sampling density based on designated future use. U.S. EPA Method 8270C SIM was selected to minimize the occurrence of potential elevated laboratory detection limits.	The sampling design will be optimized as follows: • At each transfer parcel, the sampling density will be one sampling location per 2 acres at parcels proposed for residential or mixed reuse, and one sampling location per 5 acres at parcels designated for recreational reuse. • Approximately 306 direct-push borings will be advanced at the eight transfer parcels, with soil samples collected from each location at four depth intervals: 0.0 to 0.5 foot, 0.5 foot to 2.0 feet, 2.0 to 4.0 feet, and 4.0 to 8.0 feet bgs.

Acronyms/Abbreviations:
B(a)P – benzo(a)pyrene
bgs – below ground surface
PAH – polynuclear aromatic hydrocarbon
SIM – selected ion monitoring
SWDIV – Southwest Division Naval Facilities Engineering Command
U.S. EPA – United States Environmental Protection Agency

Table C-3
Number of Samples by Transfer Parcel and Depth Interval

Transfer Parcel	Number of Borings Outlined in Work Plan	Number of Borings Completed	Total Number of Samples Collected	ACTUAL NUMBER OF SAMPLES COLLECTED BY DEPTH INTERVAL			
				0–0.5 foot bgs	0.5–2.0 feet bgs	2.0–4.0 feet bgs	4.0–8.0 feet bgs
EDC-3	22	22	88	22	22	22	22
EDC-5	136	136	540	136	136	135	133
EDC-12	34	33	132	33	33	33	33
EDC-17	9	9	36	9	9	9	9
EDC-21	12	12	43	12	12	11	8
FED-1A	79	79	316	79	79	79	79
PBC-1A	10	10	38	10	10	9	9
PBC-3	4	4	9	4	3	2	0
TOTAL	**306**	**305**	**1,202**	**305**	**304**	**300**	**293**

Acronyms/Abbreviations:
bgs – below ground surface
EDC – economic development conveyance
FED – federal agency
PBC – public benefit conveyance

Table C-4
Data Quality by Transfer Parcel

Transfer Parcel	Number of Samples Qualified as Unusable	Number of Compounds Rejected During Data Validation	Number of Usable Samples/Number of Total Samples	Percent of Usable Data (%)
EDC-3	6	5	82/88	93
EDC-5	2	2	538/540	99
EDC-12	0	0	132/132	100
EDC-17	0	0	36/36	100
EDC-21	3	2	40/43	93
FED-1A	4	3	312/316	99
PBC-1A	0	0	38/38	100
PBC-3	0	0	9/9	100
TOTAL	**15**	**12**	**1,187/1,202**	**99**

Acronyms/Abbreviations:
EDC – economic development conveyance
FED – federal agency
PBC – public benefit conveyance

Table C-5
Relative Toxicity Equivalency Factors for Seven Carcinogenic PAHs

PAH	Toxicity Equivalency Factor
benz(a)anthracene	0.1
benzo(b)fluoranthene	0.1
benzo(k)fluoranthene	0.01
benzo(a)pyrene	1
chrysene	0.001
dibenz(a,h)anthracene	1
indeno(1,2,3-cd)pyrene	0.1

Source: U.S. EPA 1993

Acronym/Abbreviation:
PAH – polynuclear aromatic hydrocarbon

Table C-6
Preliminary Remediation Goals for Ten Noncarcinogenic PAHs

PAH	Preliminary Remediation Goal (µg/kg)	Surrogate
acenaphthene	3,700,000	none
acenaphthylene	3,700,000	acenaphthene
anthracene	22,000,000	none
benzo(g,h,i)perylene	2,300,000	pyrene
fluoranthene	2,300,000	none
fluorene	2,600,000	none
2-methylnaphthalene	56,000	naphthalene
naphthalene	56,000	none
phenanthrene	22,000,000	anthracene
pyrene	2,300,000	none

Source: U.S. EPA 2002

Acronyms/Abbreviations:
µg/kg – micrograms per kilogram
PAH – polynuclear aromatic hydrocarbon

Table C-7
B(a)P Equivalent Results

Transfer Parcel	Total Number of Samples Collected	Number of Samples With B(a)P Equivalent Concentration > 620 µg/kg	Percent of Samples With B(a)P Equivalent Concentrations > 620 µg/kg (%)
EDC-3	88	0	0
EDC-5	540	31	6
EDC-12	132	0	0
EDC-17	36	0	0
EDC-21	43	1	2
FED-1A	316	9	3
PBC-1A	38	2	5
PBC-3	9	0	0

Acronyms/Abbreviations:
B(a)P – benzo(a)pyrene
EDC – economic development conveyance
FED – federal agency
µg/kg – micrograms per kilogram
PBC – public benefit conveyance

ATTACHMENTS C1, C2, C3, C4

C1 Analytical Results Tables and Database

C2 Boring Logs

C3 Chain-of-Custody Forms

C4 Data Quality and Validation
(includes data validation case narratives)

(on CD)

ATTACHMENT C1

ANALYTICAL RESULTS
TABLES AND DATABASE

(on CD)

Table C1-1
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for EDC-3
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32EDC-3-1	0 to 0.5	21	5.2	U	2.7	J	4.3	J	5.2	U	5.3		16		15	
32EDC-3-1	0.5 to 2	5.9	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	1.1	J
32EDC-3-1	2 to 4	5.8	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	0.69	J
32EDC-3-1	4 to 8	6.8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32EDC-3-2	0 to 0.5		6.1	UJ							28	J	6.1	UJ		
32EDC-3-2	0.5 to 2		1.9	J	2	J	5.1	J	2.2	J	12				5.3	UJ
32EDC-3-2	2 to 4		0.97	J	0.84	J	1.5	J	0.62	J	3.9	J			5.7	U
32EDC-3-2	4 to 8		0.64	J	0.43	J	0.88	J	0.47	J	0.48	J			0.73	J
32EDC-3-3	0 to 0.5	7.1	5.7	U	5.7	U	1.7	J	5.7	U	6.1		3.4	J	3.8	J
32EDC-3-3	0.5 to 2	22	15		8.7		12		11		22		3.8	J	11	
32EDC-3-3	2 to 4	120	86		90		78		69		97		12		42	
32EDC-3-3	4 to 8	6.2	2.7	J	1.6	J	2	J	6.1	U	10		2.9	J	2.3	J
32EDC-3-4	0 to 0.5	35	24		12		31		15		26		6		8.4	
32EDC-3-4	0.5 to 2	60	39		19		44		32		42		13	J	14	
32EDC-3-4	2 to 4	7	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	1.5	J
32EDC-3-4	4 to 8	6.5	2.6	J	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	1.8	J
32EDC-3-5	0 to 0.5		2.3	J	2.6	J	4.7	J	2.7	J	6.3	J			2.4	J
32EDC-3-5	0.5 to 2	6.9	3.9	J	2.7	J	7	J	2.7	J	3.9	J	1.5	J	5.4	J
32EDC-3-5	2 to 4		1.5	J	1.3	J	2.4	J	1.6	J	1.5	J			2.5	J
32EDC-3-5	4 to 8	12	8.4	J	4	J	8.9		8	J	4.6	J	1.1	J	8.1	
32EDC-3-6	0 to 0.5	6	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
32EDC-3-6	0.5 to 2	4.9	1.5	J	5.4	U	5.4	U	5.4	U	2.1	J	5.4	U	1.8	J
32EDC-3-6	2 to 4	5.2	1.6	J	5.7	U	2.1	J	5.7	U	1.8	J	5.7	U	1.9	J
32EDC-3-6	4 to 8	51	39		16		24		23		19		5.8	J	23	
32EDC-3-7	0 to 0.5	6.2	5.4	U	5.4	U	5.4	U	5.4	U	2.6	J	5.4	U	5.4	U
32EDC-3-7	0.5 to 2	6.5	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
32EDC-3-7	2 to 4	6.8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32EDC-3-7	4 to 8	7.2	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32EDC-3-8	0 to 0.5	130	110	U	110	U	110	U	110	U	110	U	110	U	110	U
32EDC-3-8	0.5 to 2	9.4	3.5	J	0.8	J	3.8	J	2.5	J	1.4	J	4.8	J	5.8	
32EDC-3-8	2 to 4	5.2	1.9	J	0.86	J	1.1	J	1.4	J	0.95	J	5.9	UJ	1.8	J
32EDC-3-8	4 to 8	10	6.3	J	2.5	J	3.1	J	4	J	2.7	J	5.9	UJ	4.1	J
32EDC-3-9	0 to 0.5	13	3.9	J	2.9	J	5	J	2.3	J	10		8		5.9	
32EDC-3-9	0.5 to 2	7.3	3.6	J	2.2	J	3	J	3	J	3.4	J	5.4	U	4.4	J
32EDC-3-9	2 to 4	7.4	3.6	J	2	J	2.8	J	2.6	J	3.4	J	5.8	U	3.9	J
32EDC-3-9	4 to 8	7	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	1.4	J
32EDC-3-10	0 to 0.5	83	41	J	35	J	47	J	39	J	110		30	J	32	J
32EDC-3-10	0.5 to 2	81	20	J	16	J	17	J	18	J	22	J	110	U	20	J
32EDC-3-10	2 to 4	82	21	J	19	J	18	J	21	J	29	J	110	U	24	J
32EDC-3-10	4 to 8	160	77	J	76	J	63	J	55	J	93	J	120	U	82	J
32EDC-3-11	0 to 0.5	83	53	J	11	J	110	U	20	J	45	J	18	J	110	U
32EDC-3-11	0.5 to 2	3.7	5.5	U	0.43	J	5.5	U	5.5	U	1.2	J	0.3	J	5.5	U
32EDC-3-11	2 to 4	6.8	6.3	UJ	0.94	J	6.3	UJ	6.3	UJ	0.82	J	6.3	UJ	0.96	J
32EDC-3-11	4 to 8	6.2	5.6	UJ	0.41	J	5.6	UJ	0.37	J	5.6	UJ	5.6	UJ	5.6	UJ
32EDC-3-12	0 to 0.5	20	11		5.3	J	17		7.9		12		5.1	J	13	
32EDC-3-12	0.5 to 2	9.2	5.1	J	2.2	J	3.8	J	2.9	J	3.3	J	5.8	U	5.5	J
32EDC-3-12	2 to 4	14	9.2		3.5	J	6.6		5.6	J	5.4	J	6.1	U	8.7	

Table C1-1
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for EDC-3
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32EDC-3-12	4 to 8	240	190		82		110		110		100		14		130	
32EDC-3-13	0 to 0.5	7.6	4	J	2.7	J	3.1	J	4	J	4.8	J	5.3	U	3.4	J
32EDC-3-13	0.5 to 2	9.9	6.4	J	2.5	J	6.8	J	2.2	J	8.8	J	2.3	J	5.3	UJ
32EDC-3-13	2 to 4	3.7	2.5	J	1.5	J	2.9	J	2.5	J	1.9	J	0.5	J	2.2	J
32EDC-3-13	4 to 8	4.2	0.75	J	0.74	J	0.71	J	0.57	J	0.77	J	6.4	UJ	0.71	J
32EDC-3-14	0 to 0.5	17	8.6		5.8		8.3		4	J	14		6.6		6.6	
32EDC-3-14	0.5 to 2	11	6.3		4.3	J	5.3	J	5.4	J	8.1		5.7	U	5.3	J
32EDC-3-14	2 to 4	8.7	4.7	J	2.9	J	4.9	J	4.5	J	8.4		5.6	U	3.9	J
32EDC-3-14	4 to 8	6.7	6	U	6	U	6	U	6	U	6	U	6	U	0.64	J
32EDC-3-15	0 to 0.5	29	12		15		22		4	J	51		13		6.1	
32EDC-3-15	0.5 to 2	6.5	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
32EDC-3-15	2 to 4	6.8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32EDC-3-15	4 to 8	7	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32EDC-3-16	0 to 0.5	27	10	J	11		13	J	7.1	J	49		12	J	23	J
32EDC-3-16	0.5 to 2	14	11		4.6	J	3.9	J	7.9		5	J	0.84	J	7.7	
32EDC-3-16	2 to 4	5	1.5	J	5.7	U	5.7	UJ	0.49	J	0.49	J	5.7	U	0.61	J
32EDC-3-16	4 to 8	6.9	6	U	6	U	6	UJ	6	U	6	U	6	U	6	U
32EDC-3-17	0 to 0.5	14	7.9		2.3	J	5.1	U	5.1	U	15		5.2		3.5	J
32EDC-3-17	0.5 to 2	8.7	5.4		1.6	J	2.5	J	5.2	U	4.5	J	5.2	U	5.2	U
32EDC-3-17	2 to 4	5.6	1.9	J	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32EDC-3-17	4 to 8	7	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32EDC-3-18	0 to 0.5	5.9	2.3	J	5.5	U	2.4	J	5.5	U	1.8	J	5.5	U	5.5	U
32EDC-3-18	0.5 to 2	37	27		25		25		26		29		4.2	J	9.6	
32EDC-3-18	2 to 4	7.6	3.8	J	1.7	J	3.4	J	6	U	2.9	J	6	U	2.2	J
32EDC-3-18	4 to 8	26	21		6.9		18		7.4		8.9		1.8	J	10	
32EDC-3-19	0 to 0.5	51	37		31		27		28		44		5.5		25	
32EDC-3-19	0.5 to 2	91	60		57		54		36		140		16		37	
32EDC-3-19	2 to 4	240	180		190		130		130		210		19		100	
32EDC-3-19	4 to 8	63	46		39		28		28		56		6.7		28	
32EDC-3-20	0 to 0.5	18	8.8		5.5		11		2.7	J	29		7.1		4.3	J
32EDC-3-20	0.5 to 2	5.9	5.3	U	5.3	U	1.6	J	5.3	U	2.1	J	5.3	U	1.5	J
32EDC-3-20	2 to 4	6.8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32EDC-3-20	4 to 8	7	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32EDC-3-21	0 to 0.5	21	16	J	5.5	U	19	J	17	J	27		5.5	UJ	5.5	UJ
32EDC-3-21	0.5 to 2	14	8.6		4.9	J	7.5		6		8.3		5.9	U	9.6	
32EDC-3-21	2 to 4	180	130		62		93		73		88		15		140	
32EDC-3-21	4 to 8	6.7	6	U	6	U	6	U	6	U	6	U	6	U	0.68	J
32EDC-3-22	0 to 0.5	37	16	J	16		5.1	J	9.9	J	64		17	J	16	J
32EDC-3-22	0.5 to 2	24	19	J	10		8.5	J	4.2	J	30		5.5	UJ	5.5	UJ
32EDC-3-22	2 to 4	18	12	J	10		17	J	8.6	J	44		5.4	UJ	5.4	UJ
32EDC-3-22	4 to 8	7.5	4.2	J	1.1	J	1.1	J	1.2	J	1.1	J	5.9	U	1	J

Acronyms/Abbreviations:
bgs – below ground surface
PAH – polynuclear aromatic hydrocarbon

Data Qualifiers:
U – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit
J – indicates an estimated value
UJ – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit; the reporting limit, in this case, is an estimated value

Table C1-2
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32EDC-5-1	0 to 0.5	5.8	5.2	U	5.2	U	1.6	J	5.2	U	5.2	U	5.2	U	1.3	J
32EDC-5-1	0.5 to 2	6	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	0.8	J
32EDC-5-1	2 to 4	6.2	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-5-1	4 to 8	6.3	5.7	U	1.7	J	2.3	J	5.7	U	2.1	J	5.7	U	2.1	J
32EDC-5-2	0 to 0.5	67	46		27		45		46		51		8.5		49	
32EDC-5-2	0.5 to 2	8.3	4.4	J	2.5	J	4	J	3	J	3.7	J	5.6	U	4.6	J
32EDC-5-2	2 to 4	7.2	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32EDC-5-2	4 to 8	6.7	6	U	6	U	1.5	J	6	U	6	U	6	U	1.9	J
32EDC-5-3	0 to 0.5	87	66	J	57	J	57		42		67	J	5.2	U	66	
32EDC-5-3	0.5 to 2	32	23	J	29	J	5.3	U	5.3	U	5.3	UJ	5.3	U	31	
32EDC-5-3	2 to 4	12	6	UJ	27	J	6	U	6	U	6	UJ	6	U	31	
32EDC-5-3	4 to 8	37	27	J	33	J	6	U	6	U	6	UJ	6	U	34	
32EDC-5-4A	0 to 0.5	9.6	3	J	1.8	J	3.7	J	3.3	J	9.4	J	11	U	11	U
32EDC-5-4A	0.5 to 2	6.8	5.2	J	2.5	J	4	J	4.3	J	3.2	J	0.39	J	5.6	
32EDC-5-4A	2 to 4	180	130		110		90		110		120		14		100	
32EDC-5-4A	4 to 8	10	3.5	J	1.7	J	2.5	J	3	J	6	J	12	U	5.2	J
32EDC-5-5	0 to 0.5	6.6	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32EDC-5-5	0.5 to 2	6.8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32EDC-5-5	2 to 4	6.8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32EDC-5-5	4 to 8	6.8	6	U	6	U	6	U	6	U	6	U	6	U	1.3	J
32EDC-5-6	0 to 0.5	6.2	5.4	U	5.4	UJ	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-5-6	0.5 to 2	6.4	5.5	U	5.5	UJ	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U
32EDC-5-6	2 to 4	6.7	5.8	U	5.8	UJ	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32EDC-5-6	4 to 8	4.5	0.5	J	6.1	UJ	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32EDC-5-7	0 to 0.5	49	31	J	24	J	26		20		30	J	10		28	
32EDC-5-7	0.5 to 2	12	5.7	UJ	26	J	5.7	U	5.7	U	5.7	UJ	5.7	U	29	
32EDC-5-7	2 to 4	990	640	J	830	J	740		580		900	J	150		350	
32EDC-5-7	4 to 8	19	11	J	8.4	J	3.5	J	4.8	J	3.2	J	5.7		8.9	
32EDC-5-8	0 to 0.5	30	22		12		20		24		21		2	J	22	
32EDC-5-8	0.5 to 2	1.7	1.1	J	0.82	J	1.2	J	1.4	J	1.4	J	0.24	J	1.1	J
32EDC-5-8	2 to 4	6.2	5.4	U	5.4	U	5.4	U	0.61	J	5.4	U	5.4	U	5.4	U
32EDC-5-8	4 to 8	6	2.3	J	0.83	J	1.8	J	1.9	J	1.4	J	6.3	U	2.4	J
32EDC-5-9	0 to 0.5	41	31	J	34	J	5.2	U	5.2	U	25	J	5.2	U	36	
32EDC-5-9	0.5 to 2	11	5.4	UJ	26	J	5.4	U	5.4	U	5.4	UJ	5.4	U	27	
32EDC-5-9	2 to 4	10	5.2	UJ	24	J	5.2	U	5.2	U	5.2	UJ	5.2	U	26	
32EDC-5-9	4 to 8	12	5.8	UJ	27	J	5.8	U	5.8	U	5.8	UJ	5.8	U	29	
32EDC-5-10	0 to 0.5	43	18		9.6		28		7.9		55		20		12	
32EDC-5-10	0.5 to 2	8.9	5	J	2.2	J	3.5	J	3	J	3.7	J	5.6	U	5	J
32EDC-5-10	2 to 4	33	25		15		18		16		20		2.5	J	23	
32EDC-5-10	4 to 8	97	75		33		50		39		43		5.9	J	69	
32EDC-5-11	0 to 0.5	4.3	0.78	J	5.3	UJ	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-5-11	0.5 to 2	6.5	5.6	U	5.6	UJ	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
32EDC-5-11	2 to 4	6.6	5.7	U	5.7	UJ	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32EDC-5-11	4 to 8	7	6.1	U	6.1	UJ	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32EDC-5-12	0 to 0.5	5.8	5.3	U	1.6	J	2.1	J	1.6	J	2	J	5.3	U	1.3	J
32EDC-5-12	0.5 to 2	6.1	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U

Table C1-2
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32EDC-5-12	2 to 4	6.6	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32EDC-5-12	4 to 8	6.9	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32EDC-5-13A	0 to 0.5	15	10		8.5		6.6		7.8		11		5.4	U	7.2	
32EDC-5-13A	0.5 to 2	8.6	4.3	J	4.5	J	2.9	J	3.5	J	5.1	J	6.5	U	2.6	J
32EDC-5-13A	2 to 4	6.2	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	1.6	J
32EDC-5-13A	4 to 8	8.7	4.7	J	4.2	J	3.2	J	3.5	J	5.1	J	5.8	U	3.6	J
32EDC-5-14	0 to 0.5	11	5.4	UJ	26	J	5.4	U	5.4	U	5.4	UJ	5.4	U	29	
32EDC-5-14	0.5 to 2	11	5.5	UJ	25	J	5.5	U	5.5	U	5.5	UJ	5.5	U	28	
32EDC-5-14	2 to 4	11	5.6	UJ	25	J	5.6	U	5.6	U	5.6	UJ	5.6	U	28	
32EDC-5-14	4 to 8	12	6	UJ	26	J	6	U	6	U	6	UJ	6	U	30	
32EDC-5-15	0 to 0.5	3	1.9	J	1.3	J	2.1	J	1.8	J	2.3	J	0.6	J	1.7	J
32EDC-5-15	0.5 to 2	4.4	1.5	J	0.74	J	1.1	J	1.3	J	1.2	J	5.1	U	1.6	J
32EDC-5-15	2 to 4	3.7	0.73	J	0.32	J	5.3	U	0.75	J	0.5	J	5.3	U	0.5	J
32EDC-5-15	4 to 8	4.9	3.7	J	2	J	2.8	J	2.7	J	2.7	J	0.3	J	4	J
32EDC-5-16	0 to 0.5	18	11		4.3	J	6.2	J	7.3	J	7.5	J	10	U	9.6	J
32EDC-5-16	0.5 to 2	11	4.8	J	1.7	J	3.3	J	1.6	J	2.7	J	11	U	3.6	J
32EDC-5-16	2 to 4	12	5.1	J	1.9	J	3.4	J	5.3	J	3.9	J	11	U	6	J
32EDC-5-16	4 to 8	13	10		5.1	J	7.3		7.3		5.8		0.68	J	9	
32EDC-5-17	0 to 0.5	6.8	3	J	3	J	4.1	J	3.9	J	6.7		5.5	U	3	J
32EDC-5-17	0.5 to 2	6.7	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32EDC-5-17	2 to 4	6.9	6	UJ	6	U	6	UJ	6	UJ	6	U	6	UJ	6	U
32EDC-5-17	4 to 8	7	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32EDC-5-18	0 to 0.5	6	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
32EDC-5-18	0.5 to 2	4.8	1.3	J	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-5-18	2 to 4	6.6	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32EDC-5-18	4 to 8	6.9	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32EDC-5-19	0 to 0.5	48	32		18		42		13		28		5.6	J	44	
32EDC-5-19	0.5 to 2	12	6.8		3.8	J	8		2.1	J	5.2	J	5.6	U	8.8	
32EDC-5-19	2 to 4	7.4	3.5	J	2.5	J	3.2	J	5.7	U	2.8	J	5.7	U	4.1	J
32EDC-5-19	4 to 8	6.7	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	2	J
32EDC-5-20	0 to 0.5	33	21		13		31		10		23		4.8	J	26	
32EDC-5-20	0.5 to 2	33	24		12		26		8.2		16		5.2	U	30	
32EDC-5-20	2 to 4	99	73		41		71		22		49		7.1		78	
32EDC-5-20	4 to 8	22	15		7.4		14		4.5	J	8.6		5.9	U	17	
32EDC-5-21	0 to 0.5	11	5.3	UJ	26	J	5.3	U	5.3	U	5.3	UJ	5.3	U	30	
32EDC-5-21	0.5 to 2	11	5.4	UJ	25	J	5.4	U	5.4	U	5.4	UJ	5.4	U	30	
32EDC-5-21	2 to 4	11	5.7	UJ	25	J	5.7	U	5.7	U	5.7	UJ	5.7	U	28	
32EDC-5-21	4 to 8	120	94	J	86	J	60		41		81	J	6.1	U	68	
32EDC-5-22	0 to 0.5	6.5	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	1.1	J
32EDC-5-22	0.5 to 2	6.6	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	0.65	J
32EDC-5-22	2 to 4	6.9	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32EDC-5-22	4 to 8	6.9	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32EDC-5-23	0 to 0.5	3.3	2.1	J	0.97	J	1.8	J	2	J	1.6	J	0.65	J	2.6	J
32EDC-5-23	0.5 to 2	3.8	0.46	J	5.4	U	5.4	U	0.48	J	0.52	J	5.4	U	0.98	J
32EDC-5-23	2 to 4	4.9	1.6	J	1.5	J	1.6	J	1.3	J	1.8	J	5.6	U	1.3	J
32EDC-5-23	4 to 8	6.8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U

Table C1-2
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32EDC-5-24	0 to 0.5	6	5.4	UJ	1.5	J	1.7	J	1.3	J	4.5	J	5.4	UJ	5.4	UJ
32EDC-5-24	0.5 to 2	5.8	5.4	UJ	0.56	J	0.78	J	0.48	J	1.2	J	5.4	UJ	5.4	UJ
32EDC-5-24	2 to 4	12	7.9	J	5.5	J	6.3	J	4.9	J	13	J	5.3	UJ	5.3	UJ
32EDC-5-24	4 to 8	6.5	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ
32EDC-5-25	0 to 0.5	100	72		41		65		48		54		9.8		91	
32EDC-5-25	0.5 to 2	20	12		11		17		13		14		2.1	J	25	
32EDC-5-25	2 to 4	56	42		22		31		21		25		3.9	J	41	
32EDC-5-25	4 to 8	88	68		25		48		37		32		4.9	J	74	
32EDC-5-26	0 to 0.5	1.7	1.1	J	0.65	J	1.1	J	0.59	J	1.6	J	0.27	J	1.1	J
32EDC-5-26	0.5 to 2	6.5	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
32EDC-5-26	2 to 4	6.8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32EDC-5-26	4 to 8	7.3	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U
32EDC-5-27	0 to 0.5	9.8	6.6	J	2.5	J	5.3	J	4.4	J	4.8	J	1.9	J	4.7	J
32EDC-5-27	0.5 to 2	6.2	5.4	UJ	5.4	UJ	5.4	UJ	5.4	UJ	5.4	UJ	5.4	UJ	5.4	UJ
32EDC-5-27	2 to 4	6.2	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	0.55	J
32EDC-5-27	4 to 8	4.5	3.5	J	1.8	J	2.1	J	2.5	J	2.1	J	0.3	J	2.9	J
32EDC-5-28	0 to 0.5	5.3	1.6	J	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
32EDC-5-28	0.5 to 2	6.7	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32EDC-5-28	2 to 4	6.6	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32EDC-5-28	4 to 8	7.2	3.3	J	6.2	U	2.5	J	1.8	J	2	J	6.2	U	2.6	J
32EDC-5-29	0 to 0.5	44	31		21		27		20		30		5.7		27	
32EDC-5-29	0.5 to 2	5.7	2.4	J	1.6	J	1.8	J	5.4	U	5.4	U	5.4	U	2.4	J
32EDC-5-29	2 to 4	12	7.2		4.7	J	4.4	J	4.2	J	5.8		5.6	U	5.6	
32EDC-5-29	4 to 8	14	8.7		5.1	J	6.8		5.3	J	6.4		5.4	U	10	
32EDC-5-30	0 to 0.5	38	29		12		21		17		15		2.1	J	33	
32EDC-5-30	0.5 to 2	43	33		12		23		19		16		2.3	J	35	
32EDC-5-30	2 to 4	6.3	5.6	U	5.6	U	1.7	J	5.6	U	5.6	U	5.6	U	2.6	J
32EDC-5-30	4 to 8	29	22		15		14		12		20		2.4	J	17	
32EDC-5-31	0 to 0.5	12	7.3	J	4.7	J	6.1	J	5	J	6	J	5.7	U	5.7	J
32EDC-5-31	0.5 to 2	7.8	3.7	J	2.1	J	2.9	J	2.3	J	2.5	J	6.6	U	3	J
32EDC-5-31	2 to 4	7.5	3.8	J	1.9	J	3.2	J	2.5	J	2.5	J	5.6	U	3.3	J
32EDC-5-31	4 to 8	15	9.7	J	4.7	J	6.9	J	5.5	J	6.2	J	5.9	U	7.6	J
32EDC-5-32	0 to 0.5	66	46		29		44		37		53		7.6		42	
32EDC-5-32	0.5 to 2	37	27		16		19		19		23		3.1	J	27	
32EDC-5-32	2 to 4	6.9	3.3	J	1.8	J	2.5	J	5.6	U	2.2	J	5.6	U	3.4	J
32EDC-5-32	4 to 8	190	150		73		98		71		89		10		140	
32EDC-5-33	0 to 0.5	190	140	J	74	J	100	J	79	J	90	J	17		120	J
32EDC-5-33	0.5 to 2	610	500	J	310	J	330	J	300	J	310	J	5.8	U	360	J
32EDC-5-33	2 to 4	570	420	J	350	J	260	J	280	J	400	J	56		290	J
32EDC-5-33	4 to 8	1400	1200	J	760	J	650	J	410	J	870	J	6.6	U	800	J
32EDC-5-34	0 to 0.5	43	27	J	21	J	32	J	17	J	52	J	9.1	J	17	
32EDC-5-34	0.5 to 2	3900	3000	J	1700	J	2200	J	1700	J	2200	J	220	J	2300	
32EDC-5-34	2 to 4	31	21	J	12	J	18	J	11	J	24	J	4.8	J	19	
32EDC-5-34	4 to 8	57	44	J	20	J	32	J	22	J	25	J	3.5	J	41	
32EDC-5-35	0 to 0.5	6.6	5.9	U	5.9	U	2	J	5.9	U	3.7	J	5.9	U	1.7	J
32EDC-5-35	0.5 to 2	6.3	5.7	U	5.7	U	1.4	J	5.7	U	5.7	U	5.7	U	1.2	J

Table C1-2
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32EDC-5-35	2 to 4	6.6	6	U	6	U	1.9	J	6	U	5.5	J	6	U	1.2	J
32EDC-5-35	4 to 8	6.9	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32EDC-5-36	0 to 0.5	12	6.9		6.8		6.6		7		9.7		5.6	U	5.3	J
32EDC-5-36	0.5 to 2	6.4	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U
32EDC-5-36	2 to 4	6.3	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	0.72	J
32EDC-5-36	4 to 8	7.5	3.4	J	6.1	U	3.2	J	6.1	U	6.1	U	6.1	U	4.2	J
32EDC-5-37	0 to 0.5	7.5	3.7	J	3.6	J	3.1	J	3.6	J	5.1	J	5.6	UJ	3.2	J
32EDC-5-37	0.5 to 2	6.7	3.2	J	2	J	2.6	J	2.1	J	2.4	J	5.4	UJ	3.2	J
32EDC-5-37	2 to 4	6.5	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	UJ	5.6	U
32EDC-5-37	4 to 8	7	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	UJ	6.1	U
32EDC-5-38	0 to 0.5	9.6	5.1	J	3.4	J	6.2	J	6.3		5.7		5.5	U	6.8	
32EDC-5-38	0.5 to 2	5	1.9	J	1.1	J	1.5	J	1.9	J	1.7	J	5.3	U	1.5	J
32EDC-5-38	2 to 4	3.8	0.75	J	0.6	J	0.66	J	0.88	J	1.4	J	5.3	U	5.3	U
32EDC-5-38	4 to 8	4	0.53	J	5.7	U	5.7	UJ	0.5	J	5.7	U	5.7	U	0.58	J
32EDC-5-39	0 to 0.5	6.4	3.9	J	1.9	J	5.2	J	2.9	J	3.9	J	1.4	J	3.9	J
32EDC-5-39	0.5 to 2	11	7.9		3.8	J	5.8		5.4		4.5	J	1.7	J	7.3	
32EDC-5-39	2 to 4	340	250		170		150		190		200		28		230	
32EDC-5-39	4 to 8	12	11	U	11	U	11	U	11	U	11	U	11	U	1.8	J
32EDC-5-40	0 to 0.5	15	11	J	5.7	J	8.4	J	6.3	J	8.2	J	1.7	J	9	J
32EDC-5-40	0.5 to 2	59	44	J	20	J	31	J	24	J	22	J	5.5		40	J
32EDC-5-40	2 to 4	14	9.2	J	3.9	J	9.9	J	5.7	UJ	4.5	J	5.7	U	5.6	J
32EDC-5-40	4 to 8	47	36	J	17	J	24	J	18	J	21	J	3.8	J	28	J
32EDC-5-41	0 to 0.5	64	45		27		35		41		40		7.8		42	
32EDC-5-41	0.5 to 2	94	70		34		49		55		42		8.3		72	
32EDC-5-41	2 to 4	170	130		76		82		95		87		13		110	
32EDC-5-41	4 to 8	24	18		8.9		14		12		12		1.8	J	18	
32EDC-5-42	0 to 0.5	38	27		18		27		22		27		3.6	J	31	
32EDC-5-42	0.5 to 2	23	16		9.9		16		13		14		2.1	J	21	
32EDC-5-42	2 to 4	1100	860		530		600		510		620		64		730	
32EDC-5-42	4 to 8	18	12		4.6	J	7.9		7.1		6.3		6.2	U	12	
32EDC-5-43	0 to 0.5	170	130		62		94		83		70		13		110	
32EDC-5-43	0.5 to 2	410	310		260		200		260		320		34	J	190	
32EDC-5-43	2 to 4	66	12	J	8.1	J	15	J	9.9	J	13	J	100	U	11	J
32EDC-5-43	4 to 8	100	75		68		67		62		75		10		57	
32EDC-5-44	0 to 0.5	29	11	J	8.1	J	17	J	14	J	27		27	U	27	U
32EDC-5-44	0.5 to 2	27	19	J	10	J	18	J	14	J	37		3	J	20	J
32EDC-5-44	2 to 4	34	16	J	11	J	14	J	23	J	32		28	U	28	U
32EDC-5-44	4 to 8	250	170		120		94	J	150		170		40		130	
32EDC-5-45	0 to 0.5	6.5	5.7	U	2.2	J	2.8	J	5.7	U	2.9	J	5.7	UJ	5.7	U
32EDC-5-45	0.5 to 2	12	6.7		2.7	J	5.3	J	5.4	J	4.9	J	6.4	UJ	7.5	
32EDC-5-45	2 to 4	9.3	5.1	J	4.2	J	4.1	J	4.1	J	6.1		5.8	UJ	4.2	J
32EDC-5-45	4 to 8	7	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	UJ	6.1	U
32EDC-5-46	0 to 0.5	23	16		15		16		12		18		3.4	J	8.6	
32EDC-5-46	0.5 to 2	5.6	2.2	J	5.4	U	5.4	U	5.4	U	1.6	J	5.4	U	1.7	J
32EDC-5-46	2 to 4	5.2	1.7	J	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	1.5	J
32EDC-5-46	4 to 8	6.8	2.9	J	6.2	U	2.2	J	6.2	U	6.2	U	6.2	U	2	J

Table C1-2
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32EDC-5-47	0 to 0.5	2.8	1.9	J	0.66	J	1.8	J	1.2	J	1	J	0.37	J	2.8	J
32EDC-5-47	0.5 to 2	5.8	4.1	J	1.9	J	3.1	J	2.1	J	1.8	J	0.66	J	4.7	J
32EDC-5-47	2 to 4	3.2	2.3	J	1.6	J	1.7	J	1.5	J	1.9	J	0.39	J	2.1	J
32EDC-5-47	4 to 8	4.3	0.69	J	5.9	UJ	5.9	UJ	0.45	J	5.9	UJ	5.9	UJ	0.81	J
32EDC-5-48	0 to 0.5	210	150		130	J	160	J	54	J	140		18		140	
32EDC-5-48	0.5 to 2	23	16		14	J	21	J	6.8	J	17		2.1	J	15	
32EDC-5-48	2 to 4	6.3	5.6	U	5.6	UJ	5.6	UJ	5.6	UJ	5.6	U	5.6	U	1.1	J
32EDC-5-48	4 to 8	6.7	6	U	6	UJ	6	UJ	6	UJ	6	U	6	U	0.86	J
32EDC-5-49	0 to 0.5	27	19		13		14		15		18		2.9	J	18	
32EDC-5-49	0.5 to 2	34	24		16		16		18		19		3.9	J	24	
32EDC-5-49	2 to 4	130	96		69		66		68		82		7.9	J	85	
32EDC-5-49	4 to 8	940	650		660	J	610	J	470	J	770	J	100	J	610	J
32EDC-5-50	0 to 0.5	11	5.5	J	3.5	J	9.5	J	5.3	UJ	19	J	3.3	J	4.4	J
32EDC-5-50	0.5 to 2	6.8	3.2	J	2	J	6	J	5.3	UJ	13	J	2.6	J	1.5	J
32EDC-5-50	2 to 4	20	14		6.1		12		6.5		16		2.5	J	17	
32EDC-5-50	4 to 8	90	68	J	33	J	61	J	16	J	34	J	5.8	J	68	
32EDC-5-51	0 to 0.5	31	27	U	9.4	J	14	J	11	J	19	J	27	U	27	U
32EDC-5-51	0.5 to 2	70	57	U	30	J	68	J	36	J	160		57	U	57	U
32EDC-5-51	2 to 4	39	24		18		27	J	14		49		8.4		23	
32EDC-5-51	4 to 8	62	46		26		24	J	37		30		7.1		36	
32EDC-5-52	0 to 0.5	21	14	J	9.6	J	13	J	11	J	13	J	3.4	J	13	J
32EDC-5-52	0.5 to 2	44	34	J	20	J	24	J	20	J	21	J	5.3	U	25	J
32EDC-5-52	2 to 4	23	17	J	8.1	J	11	J	9.1	J	10	J	5.4	U	14	J
32EDC-5-52	4 to 8	73	59	J	35	J	37	J	32	J	41	J	5.8	U	37	J
32EDC-5-53	0 to 0.5	30	20		12		21		17		20		4.7	J	21	
32EDC-5-53	0.5 to 2	47	34		20		27		25		22		5.1	J	32	
32EDC-5-53	2 to 4	230	170		120		110		130		130		19		140	
32EDC-5-53	4 to 8	150	110		52		71		75		67		12		110	
32EDC-5-54	0 to 0.5	3.6	0.62	J	0.35	J	0.67	J	0.45	J	0.72	J	5.6	UJ	0.86	J
32EDC-5-54	0.5 to 2	1.8	0.98	J	5.7	UJ	1.3	J	0.97	J	2.1	J	0.3	J	1.4	J
32EDC-5-54	2 to 4	6.9	6	UJ	6	UJ	6	UJ	6	UJ	6	UJ	6	UJ	6	UJ
32EDC-5-54	4 to 8	6.9	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32EDC-5-55	0 to 0.5	81	52		32		41	J	72		51		16		54	
32EDC-5-55	0.5 to 2	8	4.4	J	2.6	J	2.8	J	2.6	J	3.3	J	5.3	U	4	J
32EDC-5-55	2 to 4	3.9	0.99	J	0.47	J	0.7	J	1.2	J	0.74	J	5.3	U	1.1	J
32EDC-5-55	4 to 8	4.3	1.1	J	0.47	J	0.72	J	1.1	J	0.65	J	5.9	U	1.2	J
32EDC-5-56	0 to 0.5	21	14		15	J	13		15		18		5.3	U	13	
32EDC-5-56	0.5 to 2	35	25		27	J	22		24		32		5.3	U	18	
32EDC-5-56	2 to 4	14	9.3		8.1	J	7.5		9.3		9.5		5.4	U	7.3	
32EDC-5-56	4 to 8	7.1	3.3	J	5.8	UJ	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32EDC-5-57	0 to 0.5	39	27		16		23		16		36		4.3	J	32	
32EDC-5-57	0.5 to 2	5.6	2.3	J	1.4	J	1.8	J	5.4	U	5.4	U	5.4	U	2.6	J
32EDC-5-57	2 to 4	9.6	5.4	J	2.7	J	4.5	J	2.9	J	6		5.5	U	6.5	
32EDC-5-57	4 to 8	6.6	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	1.4	J
32EDC-5-58	0 to 0.5	3.8	0.44	J	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	0.61	J
32EDC-5-58	0.5 to 2	4.3	1.3	J	0.58	J	0.95	J	0.72	J	0.68	J	5.2	U	1.9	J

Table C1-2
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32EDC-5-58	2 to 4	5.8	2.1	J	4.6	J	4.2	J	3.6	J	14	J	2.5	J	5.6	UJ
32EDC-5-58	4 to 8	29	21	J	12	J	12	J	13	J	13	J	2.6	J	26	J
32EDC-5-59	0 to 0.5	8.6	5.5		4.5	J	5.1		5	J	7.6		1.5	J	5.7	
32EDC-5-59	0.5 to 2	3.4	2.3	J	1.5	J	1.7	J	2.1	J	2.2	J	0.53	J	2.5	J
32EDC-5-59	2 to 4	4.1	2.9	J	1.8	J	2.5	J	2.5	J	3.2	J	0.44	J	2.8	J
32EDC-5-59	4 to 8	1.8	1.2	J	0.84	J	0.88	J	1.2	J	1.2	J	0.26	J	1.4	J
32EDC-5-60	0 to 0.5	130	91	J	66	J	78	J	85	J	96	J	12	J	68	
32EDC-5-60	0.5 to 2	170	120	J	100	J	110	J	100	J	110	J	14	J	110	
32EDC-5-60	2 to 4	40	28	J	26	J	27	J	31	J	36	J	4.1	J	24	
32EDC-5-60	4 to 8	110	89	J	41	J	58	J	49	J	49	J	6.7	J	76	
32EDC-5-61	0 to 0.5	590	430	J	340	J	360	J	440	J	490	J	52	J	300	
32EDC-5-61	0.5 to 2	240	180	J	110	J	130	J	140	J	150	J	18	J	140	
32EDC-5-61	2 to 4	460	340	J	240	J	260	J	290	J	320	J	38	J	260	
32EDC-5-62	0 to 0.5	13	8.5		6.7		7.5		6.5		9.3		2.1	J	5.3	J
32EDC-5-62	0.5 to 2	39	29		23		22		19		27		3.6	J	14	
32EDC-5-62	2 to 4	54	40		32		26		24		39		5.2	J	24	
32EDC-5-62	4 to 8	15	9.5		8.6		6.7		7.1		9.7		6.5	U	4.5	J
32EDC-5-63	0 to 0.5	63	45	J	32	J	41	J	36	J	38	J	5.6	J	45	J
32EDC-5-63	0.5 to 2	42	31		17	J	23	J	27		23	J	5.2	J	17	J
32EDC-5-63	2 to 4	290	210		130		150		160		150		31		170	
32EDC-5-63	4 to 8	94	68		35		58		52		45		9.1		72	
32EDC-5-64	0 to 0.5	11	6.3		3.5	J	5.4	J	3.9	J	4.8	J	5.8	U	6.8	
32EDC-5-64	0.5 to 2	20	14		5.2	J	12		7.7		7.8		5.7	U	17	
32EDC-5-64	2 to 4	120	90		53		52		50		65		8.3		67	
32EDC-5-64	4 to 8	9.5	5.3	J	3.9	J	3.8	J	3.4	J	4.1	J	6.1	U	3.7	J
32EDC-5-65	0 to 0.5	49	37		14		27		19		20		3.5	J	42	
32EDC-5-65	0.5 to 2	6.6	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	1.7	J
32EDC-5-65	2 to 4	12	7.6		2.6	J	6.3		4.1	J	3.8	J	5.9	U	9.3	
32EDC-5-65	4 to 8	9.7	5.4	J	2.1	J	3.6	J	2.8	J	2.6	J	6.4	U	5.4	J
32EDC-5-66	0 to 0.5	44	33		13		18		25		20		4.8	J	32	
32EDC-5-66	0.5 to 2	7	3.7	J	0.94	J	1.6	J	5.4	U	1.3	J	5.4	U	5.4	U
32EDC-5-66	2 to 4	14	8.9		9.9		7.4		7.2	U	13		5.4	U	5.2	J
32EDC-5-66	4 to 8	9.9	6	J	1.7	J	3.1	J	6.2	U	2	J	6.2	U	6.2	U
32EDC-5-67	0 to 0.5	23	17		8.6	J	18	J	4.9	J	10		1.8	J	19	
32EDC-5-67	0.5 to 2	19	13		7.8	J	13	J	4.1	J	8.5		5.7	U	12	
32EDC-5-67	2 to 4	10	5.7	J	2.7	J	6	J	6.1	UJ	3.1	J	6.1	U	5.9	J
32EDC-5-67	4 to 8	6.7	6.1	U	6.1	UJ	1.5	J	6.1	UJ	6.1	U	6.1	U	1.5	J
32EDC-5-68	0 to 0.5	34	25		11		20		15		15		2.4	J	30	
32EDC-5-68	0.5 to 2	6	2.5	J	5.3	U	2.4	J	5.3	U	5.3	U	5.3	U	3.1	J
32EDC-5-68	2 to 4	6.2	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	1.1	J
32EDC-5-68	4 to 8	6.8	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	0.66	J
32EDC-5-69	0 to 0.5	7.2	3.5	J	2.5	J	3.9	J	2.7	J	5.2	J	5.4	U	3.5	J
32EDC-5-69	0.5 to 2	9.3	5.1	J	2.8	J	5.9		4.9	J	4.6	J	5.3	U	6.2	
32EDC-5-69	2 to 4	5.5	2.2	J	2	J	3.1	J	5.3	U	7.2	J	5.3	U	1.3	J
32EDC-5-69	4 to 8	47	36		25	J	23		25		30	J	2.8	J	30	
32EDC-5-70	0 to 0.5	38	24	J	13	J	22	J	14	J	24	J	8	J	23	J

Table C1-2
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32EDC-5-70	0.5 to 2	14	10	J	5.5		6.8	J	6.9	J	6.3		1.1	J	12	J
32EDC-5-70	2 to 4	12	7.9	J	3.5	J	6.8	J	6.1	J	6.6	J	2.6	J	8.1	J
32EDC-5-70	4 to 8	250	180		120		120		120		130		22	J	200	
32EDC-5-71	0 to 0.5	43	31		21	J	27		25		33	J	3.5	J	30	
32EDC-5-71	0.5 to 2	1200	890	J	590	J	800	J	260	J	610	J	91	J	730	
32EDC-5-71	2 to 4	35	25	J	14	J	25	J	8.4	J	16	J	2.8	J	30	
32EDC-5-71	4 to 8	8.5	4.3	J	3	J	4.1	J	5.9	UJ	3.2	J	5.9	UJ	4.6	J
32EDC-5-72	0 to 0.5	16	11	J	6.5	J	14	J	5.6	J	12	J	5.5	U	4.3	J
32EDC-5-72	0.5 to 2	49	35		40	J	28		22		55	J	4.8	J	20	
32EDC-5-72	2 to 4	47	34		20	J	28		22		42	J	5.9	J	17	
32EDC-5-72	4 to 8	67	52	J	38	J	36	J	37	J	43	J	5.2	J	16	J
32EDC-5-73	0 to 0.5	120	86		81	J	60		52		86	J	11		60	
32EDC-5-73	0.5 to 2	11	6.7	J	5.5	J	5.3	J	5.2	J	5.8	J	5.5	U	2.7	J
32EDC-5-73	2 to 4	260	200	J	150	J	140	J	140	J	150	J	19	J	68	J
32EDC-5-73	4 to 8	5200	3800	J	2700	J	2500	J	2100	J	2900	J	620	J	2400	J
32EDC-5-74	0 to 0.5	370	290	J	170	J	240	J	150	J	220	J	29		100	J
32EDC-5-74	0.5 to 2	170	130	J	79	J	90	J	88	J	92	J	13		59	J
32EDC-5-74	2 to 4	51	39	J	21	J	38	J	16	J	42	J	4.4	J	15	J
32EDC-5-75	0 to 0.5	29	21		16		16		21		20		2.5	J	22	
32EDC-5-75	0.5 to 2	4.5	3	J	2.2	J	2.1	J	2.5	J	2.7	J	0.64	J	3.6	J
32EDC-5-75	2 to 4	160	120		110		100		76		92		13		100	
32EDC-5-75	4 to 8	4.4	3.2	J	2.3	J	1.9	J	2.4	J	2.6	J	0.39	J	3.5	J
32EDC-5-76	0 to 0.5	6.1	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	1.2	J
32EDC-5-76	0.5 to 2	6.7	3.2	J	2.9	J	2.2	J	3.4	J	4.1	J	5.4	U	2.3	J
32EDC-5-76	2 to 4	5.7	2.3	J	2.5	J	2.2	J	2.7	J	3.3	J	5.4	U	1.7	J
32EDC-5-76	4 to 8	110	86		55		62		67		79		6.9		71	
32EDC-5-77	0 to 0.5	9	5.5		1.2	J	2.7	J	5.3	U	2.8	J	5.3	U	4.8	J
32EDC-5-77	0.5 to 2	6.6	3.2	J	1	J	1.1	J	5.7	U	1.7	J	5.7	U	5.7	U
32EDC-5-77	2 to 4	6.2	5.4	U	5.4	UJ	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-5-77	4 to 8	7.7	4	J	5.7	UJ	5.7	U	5.7	U	4.4	J	5.7	U	5.7	U
32EDC-5-78	0 to 0.5	7.2	3.6	J	2	J	3.3	J	2.3	J	3.6	J	5.4	U	3.5	J
32EDC-5-78	0.5 to 2	8.8	4.9	J	2.9	J	3.6	J	2.9	J	3.6	J	5.4	U	4.8	J
32EDC-5-78	2 to 4	6.1	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	1.3	J
32EDC-5-78	4 to 8	25	18		6.4		11		8.7		7.9		6.2	U	18	
32EDC-5-79	0 to 0.5	25	18		7.5		12		10		8.6		2.6	J	25	
32EDC-5-79	0.5 to 2	3	2.2	J	0.98	J	1.5	J	1.4	J	1.2	J	0.29	J	2.9	J
32EDC-5-79	2 to 4	5.1	1.8	J	0.83	J	1.1	J	1.1	J	0.96	J	5.6	U	2.5	J
32EDC-5-79	4 to 8	78	59		34		36		32		38		6.4	J	52	
32EDC-5-80	0 to 0.5	11	7		4.4	J	5.7		5.2	J	6		5.4	U	6.1	
32EDC-5-80	0.5 to 2	6.7	3.2	J	2.1	J	2.4	J	2.2	J	2.6	J	5.3	U	3.3	J
32EDC-5-80	2 to 4	6	5.4	U	5.4	U	1.5	J	5.4	U	5.4	U	5.4	U	1.8	J
32EDC-5-80	4 to 8	6.7	6	U	6	U	1.6	J	6	U	6	U	6	U	2.2	J
32EDC-5-81	0 to 0.5	15	9.8		7.9	J	12	J	9.5	J	12		2.4	J	9.8	
32EDC-5-81	0.5 to 2	7.3	6.5	U	6.5	UJ	1.7	J	6.5	UJ	6.5	U	6.5	U	2.7	J
32EDC-5-81	2 to 4	14	9.1		5.8	J	7.4	J	5.9	J	8.5		5.3	U	8.1	
32EDC-5-81	4 to 8	21	15		8.8	J	11	J	10	J	9.5		5.8	U	14	

Table C1-2
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32EDC-5-82	0 to 0.5	6	5.3	U	5.3	UJ	5.3	UJ	5.3	UJ	5.3	U	5.3	U	1.5	J
32EDC-5-82	0.5 to 2	5.9	5.3	U	5.3	UJ	1.3	J	5.3	UJ	5.3	U	5.3	U	1.4	J
32EDC-5-82	2 to 4	47	32		22	J	36	J	12	J	33		5.8		32	
32EDC-5-82	4 to 8	38	27		16	J	28	J	8.4	J	18		3.1	J	31	
32EDC-5-83	0 to 0.5	19	12		9.7		13	J	13		12		3.2	J	10	
32EDC-5-83	0.5 to 2	3.1	2	J	1.3	J	2.6	J	1.7	J	2.9	J	0.39	J	3.1	J
32EDC-5-83	2 to 4	2.2	1.3	J	0.88	J	1.7	J	1.1	J	1.2	J	0.45	J	2	J
32EDC-5-83	4 to 8	8.8	6.4		4.8	J	4.5	J	6		5.4	J	0.96	J	4.1	J
32EDC-5-84	0 to 0.5	190	140		69	J	100	J	89	J	89		13		170	
32EDC-5-84	0.5 to 2	130	96		42	J	69	J	51	J	51		8.5		110	
32EDC-5-84	2 to 4	17	11		5.1	J	8.5	J	6.4	J	6.2		5.6	U	14	
32EDC-5-84	4 to 8	6.9	6	U	6	UJ	6	UJ	6	UJ	6	U	6	U	6	U
32EDC-5-85	0 to 0.5	210	150		100		120		94		110		25	J	130	
32EDC-5-85	0.5 to 2	510	390	J	190		210		190		190		49	J	250	
32EDC-5-85	2 to 4	600	470	J	210		230		230		230		55	J	260	
32EDC-5-85	4 to 8	44	17	J	9.4	J	16	J	11	J	13	J	18	J	66	
32EDC-5-86	0 to 0.5	15	11		7.2		7.1		6.9		8.5		1.8	J	8.8	
32EDC-5-86	0.5 to 2	610	450		310		290		290		350		60		330	
32EDC-5-86	2 to 4	200	150		92		100		95		110		18		98	
32EDC-5-86	4 to 8	2000	1500		1100		1100		710		1200		190		990	
32EDC-5-87	0 to 0.5	330	250		160	J	170	J	160	J	190		24		220	
32EDC-5-87	0.5 to 2	390	300		190	J	190	J	190	J	210		27		250	
32EDC-5-87	2 to 4	140	110		64	J	65	J	67	J	73		9.5		96	
32EDC-5-87	4 to 8	7	6.1	U	6.1	UJ	6.1	UJ	6.1	UJ	6.1	U	6.1	U	2.3	J
32EDC-5-88	0 to 0.5	120	80	J	55	J	62	J	70	J	72	J	17	J	83	J
32EDC-5-88	0.5 to 2	1000	760	J	430	J	440	J	480	J	540	J	93	J	640	J
32EDC-5-88	2 to 4	23	16	J	11	J	9.6	J	13	J	12	J	3.1	J	14	J
32EDC-5-88	4 to 8	3.3	2.3	J	1.8	J	2.1	J	1.6	J	1.8	J	0.37	J	2.1	J
32EDC-5-89	0 to 0.5	24	17		9		14		12		13		5.5	U	19	
32EDC-5-89	0.5 to 2	14	9		4.6	J	7.2		6.6		7.2		5.4	U	8.9	
32EDC-5-89	2 to 4	30	22		11		15		16		17		5.6	U	22	
32EDC-5-89	4 to 8	2200	1700		1300		970		1000		1300		130		1100	
32EDC-5-90	0 to 0.5	24	18		9	J	14		9.6		11	J	5.6	U	9.9	J
32EDC-5-90	0.5 to 2	50	38		27	J	22		36		33	J	5.3	J	19	J
32EDC-5-90	2 to 4	38	28		10	J	24		16		16	J	4.3	J	19	J
32EDC-5-90	4 to 8	38	30		12	J	23		14		14	J	6.2	U	15	J
32EDC-5-91	0 to 0.5	41	32		8.6		19		17		8.8		4.3	J	21	
32EDC-5-91	0.5 to 2	150	130		27	U	27	U	27	U	27	U	13	J	27	U
32EDC-5-91	2 to 4	15	11		3.8	J	6.7		6.3		4.7	J	1.7	J	8	
32EDC-5-91	4 to 8	28	22		8.7		14		12		11		2.3	J	13	
32EDC-5-92	0 to 0.5	1000	810		530		610		480	J	620		100		14	
32EDC-5-92	0.5 to 2	8.7	4.6	J	2.6	J	3.5	J	4.7	J	3.2	J	5.7	U	5.8	
32EDC-5-92	2 to 4	17	11		13		8.6		9.3	J	16		3	J	8	
32EDC-5-92	4 to 8	6	2.7	J	2.2	J	2.4	J	1.5	J	2.3	J	5.2	U	2	J
32EDC-5-93	0 to 0.5	44	29	J	21	J	28	J	24	J	29	J	7.3	J	22	J
32EDC-5-93	0.5 to 2	130	92	J	43	J	73	J	66	J	53	J	16	J	98	J

Table C1-2
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32EDC-5-93	2 to 4	120	80		57		75	J	65		71		18		45	
32EDC-5-93	4 to 8	49	37		13	J	28	J	24		14	J	4.9	J	32	
32EDC-5-94	0 to 0.5	43	30		28		29		23		34		4.2	J	24	
32EDC-5-94	0.5 to 2	21	15		8		12		8.8		11		1.8	J	17	
32EDC-5-94	2 to 4	54	40		23		30		24		36		4.6	J	36	
32EDC-5-94	4 to 8	18	12		6.9		8.7		6.9		8.2		5.7	U	12	
32EDC-5-95	0 to 0.5	75	57		35		41		57	J	41		7		32	
32EDC-5-95	0.5 to 2	23	17		8.7		11		15	J	10		2.5	J	14	
32EDC-5-95	2 to 4	32	23		16		17		24	J	19		4	J	17	
32EDC-5-95	4 to 8	64	47		24		32		46	J	27		7		37	
32EDC-5-96	0 to 0.5	630	440		340		350		370		370		76		370	
32EDC-5-96	0.5 to 2	46000	35000		26000	J	26000		27000		29000	J	4000		20000	
32EDC-5-96	2 to 4	720	500		400		390		400		430		94		420	
32EDC-5-96	4 to 8	990	700		490		540		510		560		120		620	
32EDC-5-97	0 to 0.5	79	52	J	56		56		47	J	62		11		47	
32EDC-5-97	0.5 to 2	160	120	J	82		87		73	J	89		15		74	
32EDC-5-97	2 to 4	210	160	J	110		120		82	J	130		21		100	
32EDC-5-97	4 to 8	900	670	J	480		460		450	J	570		98		350	
32EDC-5-98	0 to 0.5	320	230	J	150	J	160	J	140	J	160	J	39	J	180	J
32EDC-5-98	0.5 to 2	210	150	J	110	J	130	J	93	J	120	J	25	J	120	J
32EDC-5-98	2 to 4	150	110	J	77	J	91	J	64	J	82	J	18	J	85	J
32EDC-5-98	4 to 8	10	6.2	J	5	J	9.3	J	5.6	J	13	J	2.2	J	5	J
32EDC-5-99	0 to 0.5	61	44		36		33		34		42		6.7		28	
32EDC-5-99	0.5 to 2	19	14		9.6		10		9.5		10		2.1	J	8.5	
32EDC-5-99	2 to 4	6.7	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32EDC-5-99	4 to 8	5.6	1.7	J	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32EDC-5-100	0 to 0.5	120	78		46	J	55		70		68	J	19		110	
32EDC-5-100	0.5 to 2	17	12		6.3	J	8.2		8.8		10	J	2.2	J	16	
32EDC-5-100	2 to 4	18	13		8		8.3		9.1		9.9		2	J	16	
32EDC-5-100	4 to 8	24	18		6.3		10		11		5.6	J	1.8	J	20	
32EDC-5-101	0 to 0.5	1000	800		400	J	550		530		510	J	87		430	J
32EDC-5-101	0.5 to 2	64	49		19	J	41		26		27	J	6		31	J
32EDC-5-101	2 to 4	150	110		46	J	91		72		66	J	14		72	J
32EDC-5-101	4 to 8	72	58		27		41		33		34		5.7	U	42	
32EDC-5-102	0 to 0.5	23	17	J	10	J	11	J	15	J	15	J	2.9	J	9.6	J
32EDC-5-102	0.5 to 2	18	13	J	9.6	J	8.6	J	12	J	14	J	2.8	J	6	J
32EDC-5-102	2 to 4	36	22	J	14	J	33	J	16	J	72	J	8.7	J	7.9	J
32EDC-5-102	4 to 8	59	49	J	11	J	38	J	23	J	35	J	5.5	UJ	22	J
32EDC-5-103	0 to 0.5	33	22		17		22		21		25		4.6	J	18	
32EDC-5-103	0.5 to 2	950	650		600		660		650		750		120		420	
32EDC-5-103	2 to 4	38	25		14		24		17		19		6		30	
32EDC-5-103	4 to 8	5.1	1.7	J	0.83	J	1	J	1.2	J	1.3	J	6.1	U	1.4	J
32EDC-5-104	0 to 0.5	17	11		7.5		12		3.4	J	8.6		5.3	U	11	
32EDC-5-104	0.5 to 2	120	84		43		89		28		57		9.4		120	
32EDC-5-104	2 to 4	90	64		33		66		20		41		8.5		75	
32EDC-5-104	4 to 8	120	92		41		78		21		33		7		79	

Table C1-2
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32EDC-5-105	0 to 0.5	25	18		10		18		5.6		11		2.2	J	19	
32EDC-5-105	0.5 to 2	50	34		44		42		15		44		4.7	J	27	
32EDC-5-105	2 to 4	75	53		24		54		13		36		7.6		61	
32EDC-5-105	4 to 8	400	290		180		310		92		220		32		320	
32EDC-5-106	0 to 0.5	13	8.7		4.4	J	6.4		7.5		5.5		1.7	J	10	
32EDC-5-106	0.5 to 2	46	35		23		24		31		29		4	J	23	
32EDC-5-106	2 to 4	26	19		8.2		15		16		12		2.9	J	15	
32EDC-5-106	4 to 8	6.6	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	0.62	J
32EDC-5-107	0 to 0.5	17	12		8.8		11		9.2		14		2.3	J	8.6	
32EDC-5-107	0.5 to 2	29	21		14		19		13		16		2.5	J	17	
32EDC-5-107	2 to 4	59	44		28		36		28		40		5.2	J	34	
32EDC-5-107	4 to 8	30	21	J	14	J	26	J	7.8	J	20	J	3	J	18	J
32EDC-5-108	0 to 0.5	6.1	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	1.2	J
32EDC-5-108	0.5 to 2	29	21		14		22		6.8		15		5.9	U	17	
32EDC-5-108	2 to 4	13000	9900		8300		5800		3000		8500		810		6500	
32EDC-5-108	4 to 8	4300	3200		2300		2100		920		2400		400		2200	
32EDC-5-109	0 to 0.5	6.2	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-5-109	0.5 to 2	18	13		7.6		9.2		8.5		9.2		1.9	J	8.9	
32EDC-5-109	2 to 4	9.6	6.5		3.7	J	5.4	J	4.2	J	6.1		1.8	J	3.5	J
32EDC-5-109	4 to 8	5.7	2	J	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	1.6	J
32EDC-5-110	0 to 0.5	24	17		13		13		13		15		1.9	J	19	
32EDC-5-110	0.5 to 2	6.8	3.2	J	1.6	J	2.5	J	5.5	U	2	J	5.5	U	4.1	J
32EDC-5-110	2 to 4	44	34		8.5		20		17		11		3.1	J	38	
32EDC-5-110	4 to 8	89	68		29		46		38		39		6	J	70	
32EDC-5-111	0 to 0.5	9.6	5.8		3	J	4.8	J	3.7	J	3.6	J	5.1	U	4.5	J
32EDC-5-111	0.5 to 2	43	32		20		22		20		24		4.5	J	18	
32EDC-5-111	2 to 4	39	27		14		26		21		25		5	J	24	
32EDC-5-111	4 to 8	20	14		8.7		13		9.7		13		2.4	J	9.6	
32EDC-5-112	0 to 0.5	21	15		6.1		12		9.7		8.4		2.3	J	15	
32EDC-5-112	0.5 to 2	70	53		37		38		34		48		5.3	J	38	
32EDC-5-112	2 to 4	19	13		7.3		12		7.5		9.7		5.4	U	13	
32EDC-5-112	4 to 8	63	50		20		32		28		19		3.6	J	38	
32EDC-5-113	0 to 0.5	6.2	5.5	U	5.5	U	5.5	U	1.8	J	5.5	U	5.5	U	1.3	J
32EDC-5-113	0.5 to 2	5.7	1.9	J	6	U	6	U	1.8	J	6	U	6	U	1.5	J
32EDC-5-113	2 to 4	6.8	3.2	J	2.6	J	2.3	J	3.1	J	2.9	J	5.8	U	1.8	J
32EDC-5-113	4 to 8	16	10		6.2		14		7.7	J	12		2.8	J	6.7	
32EDC-5-114	0 to 0.5	18	8.2		3.9	J	5.7		6.6		5.4		5.6		27	
32EDC-5-114	0.5 to 2	8.1	1.6	J	0.66	J	1.3	J	0.74	J	0.85	J	4.6	J	17	
32EDC-5-114	2 to 4	10	3.7	J	2.1	J	4.8	J	3.8	J	10		4.6	J	13	
32EDC-5-114	4 to 8	100	74		47		60		74		66		12		70	
32EDC-5-115	0 to 0.5	26	14		5.7		20		4.3	J	26		7.7		19	
32EDC-5-115	0.5 to 2	7.7	3.8	J	1.8	J	3.8	J	5.6	U	2.7	J	5.6	U	5.1	J
32EDC-5-116	0 to 0.5	55	39		23		35		28		29		6.1		42	
32EDC-5-116	0.5 to 2	24	17		11		15		13		13		2.7	J	17	
32EDC-5-116	2 to 4	14	9.7		5.5		8		6.7		6.9		1.4	J	10	
32EDC-5-116	4 to 8	26	19		9.3		13		12		12		2.1	J	21	

Table C1-2
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32EDC-5-117	0 to 0.5	38	25	J	16	J	21	J	15	J	19	J	6.2	J	26	J
32EDC-5-117	0.5 to 2	33	23	J	13	J	20	J	16	J	16	J	4.4	J	20	J
32EDC-5-117	2 to 4	83	60	J	33	J	50	J	34	J	38	J	9	J	50	J
32EDC-5-117	4 to 8	220	160	J	110	J	130	J	99	J	120	J	26	J	120	J
32EDC-5-118	0 to 0.5	310	220	J	110	J	200	J	150	J	140	J	35	J	270	J
32EDC-5-118	0.5 to 2	250	180	J	140	J	150	J	110	J	130	J	28	J	130	J
32EDC-5-118	2 to 4	17	12	J	5.2	J	8.9	J	6.8	J	7.5	J	2.2	J	9.8	J
32EDC-5-118	4 to 8	3.7	0.65	J	0.42	J	0.85	J	0.6	J	0.79	J	5.8	UJ	0.59	J
32EDC-5-119	0 to 0.5	39	29		12		18		25		20		3.1	J	36	
32EDC-5-119	0.5 to 2	23	16		8.6		10		14		12		5.4	U	19	
32EDC-5-119	2 to 4	6	5.4	U	1.6	J	5.4	U	2.5	J	2.4	J	5.4	U	1.3	J
32EDC-5-119	4 to 8	57	43		24		42		12		22		3.9	J	31	
32EDC-5-120	0 to 0.5	490	360		230		250		290		260		51		310	
32EDC-5-120	0.5 to 2	170	120		96		100		100		100		20		110	
32EDC-5-120	2 to 4	22000	15000		18000		14000		14000		16000		2400		8500	
32EDC-5-120	4 to 8	480	350		270		270		300		270		54		230	
32EDC-5-121	0 to 0.5	130	100		86		71		97		110		11		63	
32EDC-5-121	0.5 to 2	5.7	4.4	J	1.7	J	2.2	J	2.9	J	2.2	J	0.47	J	4	J
32EDC-5-121	2 to 4	16	10		4.8	J	8.2		8.4		9.5		4	J	7.3	
32EDC-5-121	4 to 8	11	8		3.5	J	6.6		4.9	J	4.8	J	1.1	J	6	
32EDC-5-122	0 to 0.5	22	11		8.7		11		11		20		6.6		22	
32EDC-5-122	0.5 to 2	250	180		92		130		110		110		25		180	
32EDC-5-122	2 to 4	640	430		370		470		400		430		90		300	
32EDC-5-122	4 to 8	12	8.5		6.1	J	8		7.3		6.6		1.7	J	6.7	
32EDC-5-123	0 to 0.5	73	52		46		44		37		54		7.6		39	
32EDC-5-123	0.5 to 2	10	5.9		6.6		4.8	J	5.3	J	7.6		5.5	U	3.9	J
32EDC-5-123	2 to 4	78	59		30		37		33		36		5.9		60	
32EDC-5-123	4 to 8	220	170		82		100		93		140		16		120	
32EDC-5-124	0 to 0.5	130	100		38		58		87	J	53		14		83	
32EDC-5-124	0.5 to 2	56	41		20		25		36	J	25		6.7		35	
32EDC-5-124	2 to 4	54	39		21		34		23	J	30		6.7		29	
32EDC-5-124	4 to 8	570	430		210		270		380	J	260		57		320	
32EDC-5-125	0 to 0.5	250	180	J	93		160		120	J	130		28		160	
32EDC-5-125	0.5 to 2	14	9.5	J	6.8		7.6		7.3	J	8.9		2.1	J	8.5	
32EDC-5-125	2 to 4	750	570	J	420		360		380	J	470		69		330	
32EDC-5-125	4 to 8	540	410	J	230		260		240	J	280		50		250	
32EDC-5-126	0 to 0.5	950	690		560		770		500		680		82		420	
32EDC-5-126	0.5 to 2	580	420		350		430		340		420		54		250	
32EDC-5-126	2 to 4	1400	1000		850		1100		850		1000		140		610	
32EDC-5-126	4 to 8	530	380		300		370		300		360		51		250	
32EDC-5-127	0 to 0.5	1200	830		670		990		340		750		120		630	
32EDC-5-127	0.5 to 2	1700	1200		1100		1400		490		1100		180		840	
32EDC-5-127	2 to 4	460	320		270		390		140		310		48		250	
32EDC-5-127	4 to 8	38	27		16		31		8.9		20		3.3	J	26	
32EDC-5-128	0 to 0.5	6.2	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-5-128	0.5 to 2	95	71		49		76		24		56		6.4		44	

Table C1-2
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32EDC-5-128	2 to 4	180	130		110		150		52		130		15		87	
32EDC-5-128	4 to 8	31	23		13		25		7.4		16		2.7	J	18	
32EDC-5-129	0 to 0.5	43	33		29		23		31		29		3.6	J	7.8	
32EDC-5-129	0.5 to 2	12	7.6		6.1		6.2		5	J	6.3		5.6	U	4.4	J
32EDC-5-129	2 to 4	31	22	J	13		25	J	11	J	24		4	J	6.6	
32EDC-5-129	4 to 8	61	35	J	20		35	J	27	J	28		19	J	16	
32EDC-5-130	0 to 0.5	57	23	J	53	U	20	J	53	U	16	J	53	U	53	U
32EDC-5-130	0.5 to 2	40	30		21		29		16		26		3.9	J	12	
32EDC-5-130	2 to 4	130	92	J	70		95	J	70	J	89		14	J	28	
32EDC-5-130	4 to 8	22	17		5.3	J	17		7.8		7.8		1.8	J	6.7	
32EDC-5-131	0 to 0.5	19	13		6.5		12		9.8		11		2.9	J	15	
32EDC-5-131	0.5 to 2	23	18		6.8		14		10		7.1		1.2	J	13	
32EDC-5-131	2 to 4	130	100		23		70		43		25		12		85	
32EDC-5-131	4 to 8	180	130		40		130		120		63		17		120	
32EDC-5-132	0 to 0.5	1200	780	J	690		700	J	730	J	850		190	J	590	J
32EDC-5-132	0.5 to 2	490	350	J	160		340	J	220	J	430	J	67	J	220	
32EDC-5-132	2 to 4	110	82	J	62	J	58	J	86	J	100	J	16	J	39	J
32EDC-5-132	4 to 8	5.8	4.1	J	2.1	J	2.6	J	2.9	J	3.2	J	0.95	J	2.5	J
32EDC-5-133	0 to 0.5	5.8	2.4	J	2.5	J	3.9	J	5.3	U	12		5.3	U	1.1	J
32EDC-5-133	0.5 to 2	48	33		26		36		29		32		5.7		24	
32EDC-5-133	2 to 4	5.9	5.3	U	1.6	J	2.1	J	5.3	U	3.7	J	5.3	U	1.6	J
32EDC-5-133	4 to 8	55	41		23		31		25		29		4.1	J	38	
32EDC-5-134	0 to 0.5	75	60		23		41		36		29		6.4	U	48	
32EDC-5-134	0.5 to 2	72	53		34		37		37		45		9		29	
32EDC-5-134	2 to 4	240	170		110		120		120		150		32		87	
32EDC-5-134	4 to 8	740	530	J	440	J	390	J	450	J	550	J	100	J	220	J
32EDC-5-135	0 to 0.5	1400	970		850		840		680		860		140		680	
32EDC-5-135	0.5 to 2	640	470		310		370		320		410		52		490	
32EDC-5-135	2 to 4	120	82		56		78		58		74		10		93	
32EDC-5-135	4 to 8	140	99		45		90		63		61		10		130	
32EDC-5-136	0 to 0.5	170	130		87		79		94		100		12		110	
32EDC-5-136	0.5 to 2	210	160		120		91		120		120		18		140	
32EDC-5-136	2 to 4	33	24		11		14		17		14		3.2	J	30	
32EDC-5-136	4 to 8	110	84		38		52		58		46		9.9		100	

Acronyms/Abbreviations:
bgs – below ground surface
PAH – polynuclear aromatic hydrocarbon

Data Qualifiers:
U – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit
J – indicates an estimated value
UJ – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit; the reporting limit, in this case, is an estimated value

Table C1-3
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for EDC-12
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32EDC-12-1	0 to 0.5	6.5	4	J	2.5	J	2.8	J	2.7	J	6.1	J	1.5	J	4	J
32EDC-12-1	0.5 to 2	4.1	2.7	J	2.8	J	2.2	J	2.3	J	2.7	J	0.57	J	2.9	J
32EDC-12-1	2 to 4	5.9	5.3	U	0.51	J	5.3	U	5.3	U	0.41	J	5.3	U	5.3	U
32EDC-12-1	4 to 8	6.2	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-12-2	0 to 0.5	6.3	5.6	U	5.6	U	2.1	J	5.6	U	5.6	U	5.6	U	1.7	J
32EDC-12-2	0.5 to 2	6.1	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-2	2 to 4	6.1	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-2	4 to 8	6.6	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32EDC-12-3	0 to 0.5	36	15	J	110	U	11	J	8.4	J	13	J	8.7	J	110	U
32EDC-12-3	0.5 to 2	5.1	3.2	J	1.6	J	3.5	J	1.9	J	4.8	J	1.2	J	2	J
32EDC-12-3	2 to 4	5	1.8	J	0.39	J	1.8	J	1.3	J	3.1	J	5.3	U	5.3	U
32EDC-12-3	4 to 8	6.2	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-12-4	0 to 0.5	32	14	J	5.3	J	20	J	54	U	38	J	14	J	8.2	J
32EDC-12-4	0.5 to 2	5.9	5.3	U	5.3	U	5.3	U	5.3	U	2.6	J	5.3	U	0.89	J
32EDC-12-4	2 to 4	17	12		12		7.7		9.8		17		5.3	U	6.3	
32EDC-12-4	4 to 8	6	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
32EDC-12-5	0 to 0.5	6.8	3.1	J	1.5	J	3.3	J	2.3	J	3.3	J	5.6	U	3.5	J
32EDC-12-5	0.5 to 2	5.9	5.3	U	1.8	J	2.7	J	5.3	U	8.6		5.3	U	0.7	J
32EDC-12-5	2 to 4	6.1	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-5	4 to 8	6.2	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-12-6	0 to 0.5	4.3	2.7	J	1.9	J	2.3	J	1.7	J	2.3	J	0.74	J	4.3	J
32EDC-12-6	0.5 to 2	17	11		9.7		11		8.2		10		2.1	J	13	
32EDC-12-6	2 to 4	7.1	4.7	J	3.8	J	4.2	J	3.1	J	4.9	J	1	J	5.7	
32EDC-12-6	4 to 8	52	46	J	16	J	9.3	J	7.1	J	130	J	5.6	UJ	5.6	UJ
32EDC-12-7	0 to 0.5	15	3.2	J	52	U	4.8	J	52	U	7.3	J	7.6	J	6.8	J
32EDC-12-7	0.5 to 2	13	8.7		6.2		8.7		6		15		2.5	J	3.8	J
32EDC-12-7	2 to 4	12	5.1	J	1.9	J	4.8	J	54	U	11	J	4.9	J	8.8	J
32EDC-12-7	4 to 8	6.2	2.7	J	1.5	J	2.1	J	5.6	U	5.6	U	5.6	U	3.1	J
32EDC-12-8	0 to 0.5	82	27	J	32	J	53	J	27	J	210		42	J	39	J
32EDC-12-8	0.5 to 2	12	7.8		3.6	J	6.7		7.3		14		2.6	J	5.9	
32EDC-12-8	2 to 4	7.9	4.9	J	2.2	J	3.7	J	3.5	J	9.7		2.2	J	1.8	J
32EDC-12-8	4 to 8	2.4	1.4	J	0.63	J	1.2	J	1.2	J	0.88	J	0.63	J	1.6	J
32EDC-12-9	0 to 0.5	4.2	1.1	J	0.96	J	0.68	J	0.79	J	0.87	J	5.6	U	1.3	J
32EDC-12-9	0.5 to 2	6	5.2	UJ	5.2	U	5.2	UJ	5.2	UJ	5.2	U	5.2	UJ	5.2	UJ
32EDC-12-9	2 to 4	3.9	0.67	J	0.36	J	5.3	UJ	5.3	UJ	0.39	J	5.3	UJ	5.3	UJ
32EDC-12-9	4 to 8	4	0.87	J	0.46	J	0.69	J	0.48	J	0.58	J	5.8	UJ	0.98	J
32EDC-12-10	0 to 0.5	24	17	J	15	J	12	J	7.9	J	7.6	J	3.1	J	16	J
32EDC-12-10	0.5 to 2	42	32		18	J	25		18		22	J	3.9	J	16	J
32EDC-12-10	2 to 4	130	100		76	J	77		63		85	J	11		45	J
32EDC-12-10	4 to 8	6	2.6	J	1.9	J	2	J	5.7	U	2.2	J	5.7	U	1.5	J
32EDC-12-11	0 to 0.5	3.3	2.1	J	1.8	J	2	J	1.6	J	2.2	J	0.63	J	1.7	J
32EDC-12-11	0.5 to 2	3.9	0.59	J	0.38	J	5.4	UJ	5.4	UJ	0.46	J	5.4	UJ	5.4	UJ
32EDC-12-11	2 to 4	3.8	0.53	J	0.38	J	5.3	UJ	5.3	UJ	0.4	J	5.3	UJ	5.3	UJ

Table C1-3
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for EDC-12
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32EDC-12-11	4 to 8	4.1	0.48	J	5.5	UJ	5.5	UJ	5.5	UJ	5.5	UJ	5.5	UJ	5.5	UJ
32EDC-12-12	0 to 0.5	96	30	J	100	UJ	100	U	100	U	100	U	100	U	100	U
32EDC-12-12	0.5 to 2	4.8	1.4	J	5.2	UJ	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
32EDC-12-12	2 to 4	19	2.4	J	26	UJ	26	U	26	U	26	U	26	U	26	U
32EDC-12-12	4 to 8	4.2	0.77	J	5.3	UJ	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-13	0 to 0.5	6.4	2.8	J	5.3	U	2.1	J	5.3	U	5.3	U	5.3	U	4.3	J
32EDC-12-13	0.5 to 2	5.9	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	0.86	J
32EDC-12-13	2 to 4	6.1	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-13	4 to 8	6.5	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
32EDC-12-14	0 to 0.5	6.6	2.9	J	1.5	J	2.7	J	2.2	J	2.9	J	5.7	U	3.7	J
32EDC-12-14	0.5 to 2	6.1	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-14	2 to 4	6.1	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-14	4 to 8	6.7	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32EDC-12-15	0 to 0.5	6.2	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-12-15	0.5 to 2	6.2	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-12-15	2 to 4	6.1	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-15	4 to 8	5.7	1.8	J	5.9	U	5.9	U	5.9	U	1.8	J	5.9	U	5.9	U
32EDC-12-16	0 to 0.5	13	8.6		3.7	J	5.2	J	7	U	6		5.3	U	8.6	
32EDC-12-16	0.5 to 2	10	6.1		3.1	J	6.3		5.3	U	10		5.3	U	5.1	J
32EDC-12-16	2 to 4	9.4	5.5		2.6	J	5	J	5.3	U	5.5		5.3	U	4.2	J
32EDC-12-16	4 to 8	12	7.8		3.1	J	5	J	5.9	U	5	J	5.9	U	4.2	J
32EDC-12-18	0 to 0.5	76	52		34	J	58		43		51	J	11		37	J
32EDC-12-18	0.5 to 2	75	57		52	J	59		46		62	J	5.2	U	34	J
32EDC-12-18	2 to 4	33	25		18	J	24		20		24	J	5.2	U	12	J
32EDC-12-18	4 to 8	15	11		4.7	J	9.5		7.3		5.5	J	2.1	J	5.1	J
32EDC-12-19	0 to 0.5	31	21		16		26		27		30		4	J	17	
32EDC-12-19	0.5 to 2	6.2	5.5	U	1.5	J	2.3	J	5.5	U	5.5	U	5.5	U	3	J
32EDC-12-19	2 to 4	6.3	5.7	U	5.7	U	1.5	J	5.7	U	5.7	U	5.7	U	1.6	J
32EDC-12-19	4 to 8	6.6	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	0.88	J
32EDC-12-20	0 to 0.5	21	6	J	52	U	52	U	52	U	13	J	9.1	J	4.4	J
32EDC-12-20	0.5 to 2	5.9	5.2	U	5.2	U	2.5	J	5.2	U	3.7	J	5.2	U	1.2	J
32EDC-12-20	2 to 4	5.9	2.8	J	5.2	U	4.9	J	5.2	U	7		2.2	J	1.2	J
32EDC-12-20	4 to 8	6.7	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32EDC-12-21	0 to 0.5	12	7.9		4.3	J	5.4	U	5.6		6.8		5.4	U	6.3	
32EDC-12-21	0.5 to 2	8.4	4.6	J	5.5	UJ	5.5	U	5.5	U	4.6	J	5.5	U	4.4	J
32EDC-12-21	2 to 4	6.2	2.7	J	5.4	UJ	5.4	U	5.4	U	5.4	U	5.4	U	2.7	J
32EDC-12-21	4 to 8	6.6	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32EDC-12-22	0 to 0.5	4.4	2.9	J	1.2	J	2.6	J	1.6	J	1.7	J	0.52	J	5.9	
32EDC-12-22	0.5 to 2	5.7	3.9	J	1.7	J	3.3	J	2.1	J	1.8	J	0.58	J	6.9	J
32EDC-12-22	2 to 4	4.9	3.3	J	2.4	J	1.8	J	2.4	J	2.1	J	0.57	J	5.8	
32EDC-12-22	4 to 8	1.6	1	J	0.75	J	0.92	J	0.62	J	0.97	J	0.23	J	1.5	J
32EDC-12-23	0 to 0.5	11	7		5.4		4.5	J	7.1	U	7.4		5.4	U	4.4	J
32EDC-12-23	0.5 to 2	5.5	2.5	J	0.5	J	0.81	J	5.2	U	0.65	J	5.2	U	5.2	U

Table C1-3
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for EDC-12
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32EDC-12-23	2 to 4	6.5	3.2	J	1.6	J	1.6	J	5.3	U	2.8	J	5.3	U	5.3	U
32EDC-12-23	4 to 8	7	3.1	J	6	U	6	U	6	U	6	U	6	U	6	U
32EDC-12-24	0 to 0.5	8.1	3.9	J	2.9	J	3.2	J	2.9	J	3.8	J	6.3	U	3.6	J
32EDC-12-24	0.5 to 2	7.1	3.3	J	3.1	J	4	J	3.7	J	5.1	J	5.5	U	2.5	J
32EDC-12-24	2 to 4	5.6	2.4	J	1.5	J	2	J	5.3	U	2.1	J	5.3	U	2.2	J
32EDC-12-24	4 to 8	6.9	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	0.76	J
32EDC-12-25	0 to 0.5	11	6.8		4.2	J	5.5	J	4.4	J	5.7		5.7	U	4.6	J
32EDC-12-25	0.5 to 2	55	39		31		28		23		42		7.4		26	
32EDC-12-25	2 to 4	20	14		7.8		10		8.9		8.8		3.1	J	8.5	
32EDC-12-25	4 to 8	15	11		7.9		7.9		6.5		8.7		1.9	J	7.2	
32EDC-12-26	0 to 0.5	33	27	U	27	U	34		27	U	34		27	U	27	U
32EDC-12-26	0.5 to 2	30	12	J	27	U	13	J	27	U	11	J	27	U	27	U
32EDC-12-26	2 to 4	6.1	5.3	U	5.3	U	2.5	J	5.3	U	2.8	J	5.3	U	5.3	U
32EDC-12-26	4 to 8	6.5	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
32EDC-12-27	0 to 0.5	5.5	2.2	J	5.3	U	2.4	J	5.3	U	4.8	J	5.3	U	1.3	J
32EDC-12-27	0.5 to 2	7.3	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U
32EDC-12-27	2 to 4	6.1	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-27	4 to 8	6.7	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32EDC-12-28	0 to 0.5	4	2.7	J	2.2	J	2.3	J	1.9	J	3.7	J	0.6	J	1.9	J
32EDC-12-28	0.5 to 2	3.8	0.43	J	5.2	UJ	5.2	UJ	5.2	UJ	0.38	J	5.2	UJ	5.2	UJ
32EDC-12-28	2 to 4	6	5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ
32EDC-12-28	4 to 8	1.3	0.59	J	0.46	J	5.6	UJ	0.56	J	0.44	J	0.32	J	0.67	J
32EDC-12-29	0 to 0.5	100	58		77		210		97		350		11	J	17	J
32EDC-12-29	0.5 to 2	11	6.9		6.8		11		8.1		21		1.8	J	3.7	J
32EDC-12-29	2 to 4	6.1	5.3	U	5.3	U	5.3	U	5.3	U	1.5	J	5.3	U	5.3	U
32EDC-12-29	4 to 8	6.7	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32EDC-12-30	0 to 0.5	110	48		61		120		5.3	U	290		42		8.9	
32EDC-12-30	0.5 to 2	5.9	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U
32EDC-12-30	2 to 4	6	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
32EDC-12-30	4 to 8	6.8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32EDC-12-31	0 to 0.5	6	5.2	UJ	5.2	U	5.2	UJ	5.2	UJ	5.2	U	5.2	UJ	5.2	UJ
32EDC-12-31	0.5 to 2	5.1	5.2	UJ	0.46	J	5.2	UJ	5.2	UJ	7.3	J	1.9	J	5.2	UJ
32EDC-12-31	2 to 4	2.6	1.4	J	0.61	J	0.71	J	0.64	J	2	J	0.93	J	1.4	J
32EDC-12-31	4 to 8	6.7	6	UJ	6	UJ	6	UJ	0.35	J	0.52	J	6	UJ	0.76	J
32EDC-12-32	0 to 0.5	39	14		5.7	U	33		5.7	U	59		19		23	
32EDC-12-32	0.5 to 2	6.1	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-32	2 to 4	7.8	4	J	2.2	J	4.4	J	5.3	U	3	J	5.3	U	4.9	J
32EDC-12-32	4 to 8	7	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32EDC-12-33	0 to 0.5	64	44	J	25	J	32	J	35	J	28	J	8.9	J	53	J
32EDC-12-33	0.5 to 2	100	65	J	63	J	55	J	48	J	100	J	21	J	37	J
32EDC-12-33	2 to 4	27	19	J	12	J	30	J	15	J	38	J	5.3	UJ	8.7	J
32EDC-12-33	4 to 8	9	4.9	J	1.6	J	2.8	J	2.2	J	1.3	J	6	UJ	6	J
32EDC-12-34	0 to 0.5	50	38		27		26		36		33		4.4	J	22	

Table C1-3
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for EDC-12
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	**Depth (feet bgs)**	**B(a)P Equivalents**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32EDC-12-34	0.5 to 2	7	3	J	2.9	J	5.4		5.4	U	4.4	J	5.4	U	3.9	J
32EDC-12-34	2 to 4	6	5.4	U	5.4	U	1.7	J	5.4	U	5.4	U	5.4	U	1.4	J
32EDC-12-34	4 to 8	130	74		180		180		62		200		17		59	

Acronyms/Abbreviations:
bgs – below ground surface
PAH – polynuclear aromatic hydrocarbon

Data Qualifiers:
U – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit
J – indicates an estimated value
UJ – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit; the reporting limit, in this case, is an estimated value

Table C1-4
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for EDC-17
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32EDC-17-1	0 to 0.5	15	5.8	J	1.8	J	4.9	J	2.4	J	11	J	8.3		6.7	J
32EDC-17-1	0.5 to 2	7.6	3.4	J	2.1	J	4.5	J	2.8	J	6.2	J	6.2	U	3.6	J
32EDC-17-1	2 to 4	6.6	6	U	6	UJ	1.6	J	6	U	2.4	J	6	U	1.2	J
32EDC-17-1	4 to 8	6.7	5.8	U	5.8	UJ	5.8	U	5.8	U	5.8	UJ	5.8	U	5.8	U
32EDC-17-2	0 to 0.5	10	3.6	J	1.5	J	5.3	J	1.9	J	9	J	4.9	J	8.3	J
32EDC-17-2	0.5 to 2	6.9	3.1	J	1.9	J	5.9	J	5.2	UJ	4.6	J	5.2	U	4	J
32EDC-17-2	2 to 4	7.1	6.3	UJ	6.3	UJ	2.1	J	6.3	UJ	2.6	J	6.3	U	2.6	J
32EDC-17-2	4 to 8	6.5	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	5.6	U	5.6	UJ
32EDC-17-3	0 to 0.5	14	8.3	J	3.7	J	8.7	J	2.6	J	5.5	J	3.5	J	12	J
32EDC-17-3	0.5 to 2	6.3	3.6	J	1.6	J	3.6	J	2.2	J	4	J	1.8	J	3.9	J
32EDC-17-3	2 to 4	5.9	5.3	UJ	5.3	UJ	5.3	UJ	5.3	UJ	5.3	UJ	5.3	U	0.72	J
32EDC-17-3	4 to 8	6.8	5.9	UJ	5.9	UJ	5.9	UJ	5.9	UJ	5.9	UJ	5.9	U	5.9	UJ
32EDC-17-4	0 to 0.5	31	14	J	8.3	J	10	J	13	J	17	J	26	UJ	16	J
32EDC-17-4	0.5 to 2	5.9	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U
32EDC-17-4	2 to 4	1.7	0.42	J	5.3	U	0.64	J	0.33	J	0.39	J	0.89	J	0.76	J
32EDC-17-4	4 to 8	4.2	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	0.59	J	0.62	J
32EDC-17-5	0 to 0.5	19	7.9	J	7	J	13	J	8.4	J	17	J	8.5	J	9.6	J
32EDC-17-5	0.5 to 2	15	7.6	J	3.6	J	5.3	J	3.9	J	9.7	J	5.2	J	12	J
32EDC-17-5	2 to 4	16	7.1	J	4.1	J	4.2	J	4.4	J	5.4	J	7.5	J	7.3	J
32EDC-17-5	4 to 8	3.8	0.54	J	0.38	J	5.7	U	0.41	J	0.62	J	5.7	U	0.79	J
32EDC-17-6	0 to 0.5	5.5	5.1	U	0.33	J	0.71	J	0.45	J	0.85	J	5.1	U	5.1	U
32EDC-17-6	0.5 to 2	1.6	0.75	J	0.63	J	1.1	J	0.37	J	2	J	0.46	J	5.2	U
32EDC-17-6	2 to 4	1.2	0.48	J	0.34	J	0.57	J	5.3	U	1.2	J	0.34	J	5.3	U
32EDC-17-6	4 to 8	5.6	1.8	J	0.79	J	1.3	J	0.98	J	0.94	J	7	U	1.3	J
32EDC-17-7	0 to 0.5	430	330	J	250	J	200	J	190	J	300	J	31		240	J
32EDC-17-7	0.5 to 2	14	8.8	J	4.5	J	6.5	J	5.4	J	5.6	J	5.3	U	9	J
32EDC-17-7	2 to 4	5.8	5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ	5.2	U	0.75	J
32EDC-17-7	4 to 8	6.8	5.9	UJ	5.9	UJ	5.9	UJ	5.9	UJ	5.9	UJ	5.9	U	5.9	UJ
32EDC-17-8	0 to 0.5	3.2	2.1	J	1.2	J	3.7	J	1.9	J	2.6	J	0.34	J	2.2	J
32EDC-17-8	0.5 to 2	3.4	0.43	J	5.2	U	0.54	J	5.2	U	0.42	J	5.2	U	0.64	J
32EDC-17-8	2 to 4	8	3.8	J	2	J	5.8		1.6	J	9.9		3	J	4	J
32EDC-17-8	4 to 8	4.6	1.5	J	0.65	J	1.3	J	0.87	J	1.2	J	5.6	U	1.3	J
32EDC-17-9	0 to 0.5	320	150		370		310		5.4	U	1500		93		25	
32EDC-17-9	0.5 to 2	5.9	5.3	U	1.4	J	1.4	J	5.3	U	5.2	J	5.3	U	5.3	U
32EDC-17-9	2 to 4	14	7.6		7.2		16		5.3	U	33		3.6	J	4.4	J
32EDC-17-9	4 to 8	6.3	5.6	U	5.6	U	5.6	U	5.6	U	3	J	5.6	U	0.74	J

Acronyms/Abbreviations:
bgs – below ground surface
PAH – polynuclear aromatic hydrocarbon

Data Qualifiers:
U – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit
J – indicates an estimated value
UJ – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit; the reporting limit, in this case, is an estimated value

Table C1-5
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for EDC-21
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32EDC-21-1	0 to 0.5	220	150	J	120	J	170	J	80	J	320	J	37		71	J
32EDC-21-1	0.5 to 2	54	34	J	26	J	41	J	19	J	78	J	11		23	J
32EDC-21-1	2 to 4	62	41	J	27	J	43	J	23	J	66	J	9.7		37	J
32EDC-21-1	4 to 8	20	14	J	9.5	J	14	J	9.8	J	15	J	2.3	J	17	J
32EDC-21-2	0 to 0.5	80	43	J	20	J	63	J	48	J	68	J	26	J	25	J
32EDC-21-2	0.5 to 2		53	J	32		53	J	70	J	94				36	J
32EDC-21-2	2 to 4	170	140	J	42	J	110	J	64	J	110	J	7.6	J	53	J
32EDC-21-2	4 to 8	73	53	J	37	J	35	J	41	J	47	J	9	J	36	J
32EDC-21-3	0 to 0.5	120	82	J	57	J	67	J	55	J	81	J	13		74	J
32EDC-21-3	0.5 to 2	51	33	J	22	J	35	J	21	J	40	J	8.6		31	J
32EDC-21-3	2 to 4	120	86	J	52	J	76	J	60	J	78	J	11		93	J
32EDC-21-3	4 to 8	480	370	J	200	J	250	J	220	J	250	J	30		360	J
32EDC-21-4	0 to 0.5	15	10	J	6.5	J	10	J	7.2	J	12	J	2.6	J	11	J
32EDC-21-4	0.5 to 2	9.3	4.9	J	3.8	J	7.2	J	2.8	J	12	J	5.5	U	5.3	J
32EDC-21-4	2 to 4	290	220	J	160	J	150	J	140	J	200	J	22		180	J
32EDC-21-5	0 to 0.5	280	180		170	J	200		150		450	J	52	J	71	
32EDC-21-5	0.5 to 2	26	17	J	18	J	22	J	13	J	39	J	4	J	13	J
32EDC-21-6	0 to 0.5	130	82		59		150		5.4	U	190		25		48	
32EDC-21-6	0.5 to 2	130	95		64		77		62		84		9.4		76	
32EDC-21-6	2 to 4	76	53		33		55		32		73		9		45	
32EDC-21-7	0 to 0.5	230	150	J	110		230	J	140		170		33	J	100	
32EDC-21-7	0.5 to 2	44	28	J	18		34	J	26	J	26		9	J	14	J
32EDC-21-7	2 to 4	49	33	J	19	J	36	J	36	J	38	J	7.2	J	27	J
32EDC-21-7	4 to 8		1.1	J	0.86	J	2.1	J	1.9	J	1.3	J			1.5	J
32EDC-21-8	0 to 0.5	170	96		84		120		62		240		42	J	58	
32EDC-21-8	0.5 to 2	15	8.8		5.9		12		6.5	J	21		3.6	J	7.6	
32EDC-21-8	2 to 4	63	31	J	30	J	48	J	18	J	96		22	J	21	J
32EDC-21-8	4 to 8	0.99	0.55	J	0.42	J	0.67	J	0.37	J	1	J	0.25	J	0.79	J
32EDC-21-9	0 to 0.5	9.1	4.9	J	4.8	J	5.7		4.4	J	6.2		5.3	U	4.9	J
32EDC-21-9	0.5 to 2	60	43		29		39		26		47		6.8		30	
32EDC-21-9	2 to 4	8.5	4.5	J	2.8	J	5.1	J	2.9	J	5.1	J	5.5	U	4.4	J
32EDC-21-9	4 to 8	6.5	2.9	J	1.7	J	3	J	5.5	U	3.2	J	5.5	U	3	J
32EDC-21-10	0 to 0.5	20	14	J	6.7		15		7.4	J	11		2.8	J	7.2	
32EDC-21-10	0.5 to 2	28	19	J	11		20		11	J	22		4.3	J	10	
32EDC-21-10	2 to 4	28	19	J	17		26		10	J	34		4.1	J	9.2	
32EDC-21-10	4 to 8	420	310	J	210		230		190	J	270		38		220	
32EDC-21-11	0 to 0.5	45	25	J	17	J	24	J	17	J	40	J	14	J	19	J
32EDC-21-11	0.5 to 2	72	36	J	28	J	61		28	J	100		23	J	36	J
32EDC-21-11	2 to 4	59	31	J	17	J	41	J	21	J	60		18	J	44	J
32EDC-21-12	0 to 0.5	21	14	J	11		14		11	J	14		2.8	J	14	
32EDC-21-12	0.5 to 2				5.8	U	5.8	U	5.8	UJ	5.8	U	5.8	U	5.8	U

Table C1-5
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for EDC-21
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32EDC-21-12	2 to 4	36	26	J	11		25		12	J	18		3.7	J	23	
32EDC-21-12	4 to 8	680	520	J	400		310		320	J	450		59		260	

Acronyms/Abbreviations:
bgs – below ground surface
PAH – polynuclear aromatic hydrocarbon

Data Qualifiers:
U – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit
J – indicates an estimated value
UJ – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit; the reporting limit, in this case, is an estimated value

Table C1-6
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for FED-1A
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	**Depth (feet bgs)**	**B(a)P Equivalents**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32FED-1A-1	0 to 0.5	59	33		17		32		15		82		18		29	
32FED-1A-1	0.5 to 2	50	33		24		43		11		34		6.5		35	
32FED-1A-1	2 to 4	75	53		30		55		18		43		8.1		52	
32FED-1A-1	4 to 8	31	21		16		22		14		42		4.4	J	19	
32FED-1A-2	0 to 0.5	36	19	J	7.3	J	16	J	17	J	42		13	J	16	J
32FED-1A-2	0.5 to 2	2.3	1.2	J	0.92	J	1.4	J	1.2	J	1.6	J	0.72	J	1.3	J
32FED-1A-2	2 to 4	11	5.6	J	2	J	7	J	3.3	J	12		3.7	J	5.4	J
32FED-1A-2	4 to 8	4.3	1.1	J	0.56	J	0.76	J	0.83	J	0.74	J	6	U	0.99	J
32FED-1A-3	0 to 0.5	24	14		7.8		15		8.3		26		6.5		9.7	
32FED-1A-3	0.5 to 2	6.5	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	0.63	J
32FED-1A-3	2 to 4	6.7	6.1	U	6.1	U	1.5	J	6.1	U	2.3	J	6.1	U	1.2	J
32FED-1A-3	4 to 8	7	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32FED-1A-4	0 to 0.5	73	45	J	22	J	54	J	49	J	82		16	J	37	J
32FED-1A-4	0.5 to 2	3.7	0.66	J	0.35	J	0.65	J	0.46	J	0.46	J	5.7	U	0.81	J
32FED-1A-4	2 to 4	15	6.7	J	3	J	8.1	J	8.3	J	10	J	12	U	6	J
32FED-1A-4	4 to 8	4.7	1.4	J	0.85	J	0.9	J	1.1	J	0.87	J	6.1	U	0.9	J
32FED-1A-5	0 to 0.5	530	370		230		450		250		310		65	J	260	
32FED-1A-5	0.5 to 2	5.9	3.1	J	1.6	J	3.5	J	3.2	J	2.5	J	1.9	J	3.7	J
32FED-1A-5	2 to 4	14	9.1		5	J	11		7.1		7.9		2.1	J	8.4	
32FED-1A-5	4 to 8	6.8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	UJ	5.9	U
32FED-1A-6	0 to 0.5	3.4	5.2	UJ	1	J	5.2	UJ	5.2	UJ	1.9	J	0.19	J	5.2	UJ
32FED-1A-6	0.5 to 2	4.2	1.3	J	1.4	J	0.84	J	0.79	J	1.9	J	5.2	UJ	1.1	J
32FED-1A-6	2 to 4	3.5	0.74	J	0.78	J	0.59	J	0.4	J	1.5	J	5.2	UJ	0.66	J
32FED-1A-6	4 to 8	6.1	5.5	UJ	0.53	J	5.5	UJ	5.5	UJ	1.1	J	5.5	UJ	5.5	UJ
32FED-1A-7	0 to 0.5	30	12	J	26	U	22	J	26	U	15	J	26	U	26	U
32FED-1A-7	0.5 to 2	4.8	1.4	J	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
32FED-1A-7	2 to 4	6.4	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U
32FED-1A-7	4 to 8	7.2	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32FED-1A-8	0 to 0.5	5.9	5.2	U	5.2	U	2.4	J	5.2	U	2.1	J	5.2	U	1.7	J
32FED-1A-8	0.5 to 2	6.5	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
32FED-1A-8	2 to 4	6.3	5.7	U	5.7	U	1.4	J	5.7	U	5.7	U	5.7	U	1	J
32FED-1A-8	4 to 8	7	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32FED-1A-9	0 to 0.5	13	8.8	J	3.8	J	7.9	J	6	J	8.4	J	2.7	J	6.5	J
32FED-1A-9	0.5 to 2	3	1.7	J	0.79	J	1.5	J	1.2	J	1.6	J	0.88	J	1.8	J
32FED-1A-9	2 to 4	3.7	2.3	J	1.1	J	2.1	J	1.7	J	2.3	J	0.89	J	2	J
32FED-1A-9	4 to 8	7	6.1	UJ	6.1	UJ	6.1	UJ	6.1	UJ	6.1	UJ	6.1	UJ	6.1	UJ
32FED-1A-10	0 to 0.5	8.6	4.7	J	3	J	5.5		4.7	J	5.9	J	5.1	U	4.7	J
32FED-1A-10	0.5 to 2	6.5	5.6	U	5.6	UJ	5.6	U	5.6	U	5.6	UJ	5.6	U	5.6	U
32FED-1A-10	2 to 4	6.5	5.8	U	5.8	UJ	5.8	U	5.8	U	5.8	UJ	5.8	U	0.65	J
32FED-1A-10	4 to 8	7.2	6.2	U	6.2	UJ	6.2	U	6.2	U	6.2	UJ	6.2	U	6.2	U
32FED-1A-11	0 to 0.5	6.1	5.3	UJ	5.3	UJ	5.3	UJ	5.3	UJ	5.3	UJ	5.3	U	5.3	UJ
32FED-1A-11	0.5 to 2	6.6	5.7	UJ	5.7	UJ	5.7	UJ	5.7	UJ	5.7	UJ	5.7	U	5.7	UJ
32FED-1A-11	2 to 4	6.6	2.9	J	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	5.6	U	5.6	UJ
32FED-1A-11	4 to 8	7	6.1	UJ	6.1	UJ	6.1	UJ	6.1	UJ	6.1	UJ	6.1	U	6.1	UJ
32FED-1A-12	0 to 0.5	22	10		20		31		5.2	U	58		6.4		7.1	
32FED-1A-12	0.5 to 2	44	54	U	54	U	54	U	54	U	16	J	8.4	J	54	U

Table C1-6
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for FED-1A
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32FED-1A-12	2 to 4	9.8	3.4	J	1.3	J	1.8	J	1.6	J	3.1	J	11	U	11	U
32FED-1A-12	4 to 8	3.7	0.56	J	0.41	J	0.6	J	0.72	J	0.41	J	5.8	U	0.92	J
32FED-1A-13	0 to 0.5	270	190		110		200		140		150		28	J	160	
32FED-1A-13	0.5 to 2	41	27		22		37		27		30		5.4	J	28	
32FED-1A-13	2 to 4	41	29		18		35		24		30		3.4	J	28	
32FED-1A-13	4 to 8	13	7.9		4.2	J	5.4	J	4.4	J	5.6	J	6.1	UJ	6.4	
32FED-1A-14	0 to 0.5	31	27	U	27	U	27	U	27	U	27	U	27	U	27	U
32FED-1A-14	0.5 to 2	6	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
32FED-1A-14	2 to 4	6.1	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32FED-1A-14	4 to 8	6.5	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
32FED-1A-15	0 to 0.5	24	20	J	3	J	7.6	J	4.1	J	26	J	5.4	UJ	5.4	UJ
32FED-1A-15	0.5 to 2	5.9	5.3	UJ	0.35	J	5.3	UJ	5.3	UJ	0.92	J	5.3	UJ	5.3	UJ
32FED-1A-15	2 to 4	11	6	J	5.3	UJ	2.6	J	2.3	J	12	J	3.7	J	5.3	UJ
32FED-1A-15	4 to 8	4.4	1	J	1.1	J	1.4	J	0.77	J	1.8	J	5.7	UJ	5.7	UJ
32FED-1A-16	0 to 0.5	6.8	3.2	J	2.1	J	3.5	J	2.8	J	3.7	J	5.5	U	2.3	J
32FED-1A-16	0.5 to 2	6.4	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U
32FED-1A-16	2 to 4	6.4	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U
32FED-1A-16	4 to 8	5.6	1.6	J	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32FED-1A-17	0 to 0.5	9.3	5.3		3.1	J	9.4		2.7	J	25		5.2	U	0.75	J
32FED-1A-17	0.5 to 2	6.5	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
32FED-1A-17	2 to 4	6.5	5.8	U	5.8	U	2.9	J	5.8	U	8.8		5.8	U	1.1	J
32FED-1A-17	4 to 8	7.2	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32FED-1A-18	0 to 0.5	44	21	J	21	J	26	J	5.6	J	74		16	J	53	U
32FED-1A-18	0.5 to 2		33	J	61		31	J	16	J	160				53	U
32FED-1A-18	2 to 4	13	7.8		11		8.1		4	J	27		2.9	J	2.9	J
32FED-1A-18	4 to 8		5.7	U	5.7	U	5.7	U	5.7	U	5.7	U			5.7	U
32FED-1A-19	0 to 0.5	4.7	1.4	J	0.77	J	2.2	J	1.6	J	2.2	J	5.7	U	1.2	J
32FED-1A-19	0.5 to 2	4.7	1.4	J	1.1	J	1.4	J	1.4	J	1.7	J	5.7	U	1.4	J
32FED-1A-19	2 to 4	6.7	6	U	0.5	J	6	U	6	U	0.59	J	6	U	6	U
32FED-1A-19	4 to 8	7.2	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32FED-1A-20	0 to 0.5	53	22		11		36		9.2		51		25		16	
32FED-1A-20	0.5 to 2	6.5	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	0.89	J
32FED-1A-20	2 to 4	6.6	6	U	1.5	J	2.6	J	6	U	3.8	J	6	U	2	J
32FED-1A-20	4 to 8	6.6	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	0.65	J
32FED-1A-21	0 to 0.5	59	40		26		45		33		37		9.4		24	
32FED-1A-21	0.5 to 2	6	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
32FED-1A-21	2 to 4	50	34		23		39		27		32		7.7		22	
32FED-1A-21	4 to 8	5.9	1.8	J	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32FED-1A-22	0 to 0.5	6.9	5.3	U	5.3	U	3.6	J	5.3	U	5.5		3.3	J	5.3	U
32FED-1A-22	0.5 to 2	6	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	1.3	J
32FED-1A-22	2 to 4	6.1	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	0.85	J
32FED-1A-22	4 to 8	6.7	6	U	6	U	6	U	6	U	6	U	6	U	0.64	J
32FED-1A-23	0 to 0.5	6.1	4.7	J	2	J	4.5	J	2	J	4.1	J	0.47	J	2.5	J
32FED-1A-23	0.5 to 2	2	1.3	J	1.5	J	1.3	J	0.96	J	1.8	J	0.29	J	1.5	J
32FED-1A-23	2 to 4	11	6.2		4.7	J	8.6		8.2		18		2.6	J	5.7	J
32FED-1A-23	4 to 8	260	190	J	14	J	21	J	24	J	160	J	34	J	600	U

Table C1-6
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for FED-1A
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32FED-1A-24	0 to 0.5	69	33		36		61		5.4	U	160		25		13	
32FED-1A-24	0.5 to 2	6	5.3	U	5.3	U	2.4	J	5.3	U	3	J	5.3	U	1.6	J
32FED-1A-24	2 to 4	8.7	3.8	J	3.8	J	9.8		5.7	U	21		3.3	J	2.3	J
32FED-1A-24	4 to 8	6.6	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	1.4	J
32FED-1A-25	0 to 0.5	7.1	3.6	J	2.4	J	4.9	J	2.5	J	8.9		5.3	U	0.87	J
32FED-1A-25	0.5 to 2	6.2	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32FED-1A-25	2 to 4	6.5	5.7	U	5.7	U	1.6	J	5.7	U	3.7	J	5.7	U	5.7	U
32FED-1A-25	4 to 8	7	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32FED-1A-26	0 to 0.5	5.9	5.2	U	5.2	UJ	2.4	J	1.9	J	2.7	J	5.2	U	1.9	J
32FED-1A-26	0.5 to 2	6.3	5.6	U	5.6	UJ	5.6	UJ	5.6	UJ	5.6	U	5.6	U	0.76	J
32FED-1A-26	2 to 4	6.9	3	J	2.9	J	3.8	J	5.7	UJ	3.5	J	5.7	U	3.2	J
32FED-1A-26	4 to 8	6.9	6	U	6	UJ	6	UJ	6	UJ	6	U	6	U	6	U
32FED-1A-27	0 to 0.5	24	8.9		7.6	J	15		2.2	J	44	J	12		5.6	
32FED-1A-27	0.5 to 2	6.5	5.6	U	5.6	UJ	5.6	U	5.6	U	5.6	UJ	5.6	U	5.6	U
32FED-1A-27	2 to 4	6.4	5.7	U	5.7	UJ	5.7	U	5.7	U	2.6	J	5.7	U	0.88	J
32FED-1A-27	4 to 8	7	6.1	U	6.1	UJ	6.1	U	6.1	U	6.1	UJ	6.1	U	6.1	U
32FED-1A-28	0 to 0.5	61	53	U	53	U	53	U	53	U	20	J	53	U	53	U
32FED-1A-28	0.5 to 2	3.9	0.82	J	0.83	J	0.9	J	1.1	J	1.2	J	5.6	U	0.74	J
32FED-1A-28	2 to 4	32	28	U	28	U	28	U	28	U	7	J	28	U	28	U
32FED-1A-28	4 to 8	6.9	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32FED-1A-29	0 to 0.5	130	83	J	48	J	88	J	65	J	75	J	22	J	66	J
32FED-1A-29	0.5 to 2	7.2	4.8	J	3.4	J	4.7	J	3.6	J	4.2	J	1.1	J	4.1	J
32FED-1A-29	2 to 4	21	14	J	7.8	J	14	J	9.9	J	12	J	3.4	J	12	J
32FED-1A-29	4 to 8	7.5	6.5	UJ	6.5	UJ	6.5	UJ	6.5	UJ	0.61	J	6.5	UJ	6.5	UJ
32FED-1A-30	0 to 0.5	6.1	5.3	UJ	5.3	UJ	5.3	UJ	5.3	UJ	4.9	J	5.3	UJ	5.3	UJ
32FED-1A-30	0.5 to 2	14	10	J	4.8	J	7.3	J	5.6	J	27	J	5.4	UJ	5.4	UJ
32FED-1A-30	2 to 4	6.3	5.7	UJ	2.3	J	0.59	J	0.36	J	0.69	J	5.7	UJ	5.7	UJ
32FED-1A-30	4 to 8	6.6	5.9	UJ	2.6	J	1.3	J	2.1	J	9.9	J	5.9	UJ	5.9	UJ
32FED-1A-31	0 to 0.5	2600	1800		970		1900		900		1200		320		1500	
32FED-1A-31	0.5 to 2	25	17		8.9		23		7.2		15		2.9	J	16	
32FED-1A-31	2 to 4	33	21		13		28		10		16		5.9		20	
32FED-1A-31	4 to 8	6.6	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	1	J
32FED-1A-32	0 to 0.5	17	1.9	J	2.8	J	5.5	J	2.3	J	4.2	J	14	J	6.2	J
32FED-1A-32	0.5 to 2	3.7	0.65	J	1.1	J	0.64	J	0.52	J	0.74	J	5.2	UJ	5.2	UJ
32FED-1A-32	2 to 4	43	32	J	18	J	39	J	35	J	23	J	3.7	J	14	J
32FED-1A-32	4 to 8	6.5	5.8	UJ	0.94	J	5.8	UJ	5.8	UJ	5.8	UJ	5.8	UJ	5.8	UJ
32FED-1A-33	0 to 0.5	36	19	J	26	U	35		26	U	41		11	J	26	U
32FED-1A-33	0.5 to 2	9.8	3.3	J	5.2	U	3.1	J	2.7	J	1.7	J	5.3		5.7	
32FED-1A-33	2 to 4	8.5	5.3	U	3.1	J	15		5.3	U	25		3.8	J	1.7	J
32FED-1A-33	4 to 8	6.7	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32FED-1A-34	0 to 0.5	6.1	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32FED-1A-34	0.5 to 2	6.4	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	3	J
32FED-1A-34	2 to 4	26	19		13		13		11		15		2.7	J	12	
32FED-1A-34	4 to 8	5.8	1.8	J	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32FED-1A-35	0 to 0.5	51	28	J	54	UJ	54	UJ	54	UJ	28	J	16	J	14	J
32FED-1A-35	0.5 to 2	6.6	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U

Table C1-6
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for FED-1A
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32FED-1A-35	2 to 4	6.7	5.8	UJ	5.8	UJ	5.8	UJ	5.8	UJ	5.8	UJ	5.8	U	5.8	UJ
32FED-1A-35	4 to 8	7	6.1	UJ	6.1	UJ	6.1	UJ	6.1	UJ	6.1	UJ	6.1	U	6.1	UJ
32FED-1A-36	0 to 0.5	11	6.1		3.7	J	9		6.7		11		5.1	U	6.6	
32FED-1A-36	0.5 to 2	6	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	0.59	J
32FED-1A-36	2 to 4	5.9	2.5	J	1.3	J	2.7	J	2.7	J	3.3	J	5.5	U	2.6	J
32FED-1A-36	4 to 8	7	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32FED-1A-37	0 to 0.5	65	31		17		51		5.4	U	85		24		34	
32FED-1A-37	0.5 to 2	13	8.4		4.9	J	8		2.4	J	5.1	J	5.6	U	8.3	
32FED-1A-37	2 to 4	33	24		15		19		11		25		3.6	J	20	
32FED-1A-37	4 to 8	6.7	6	U	6	U	6	U	6	U	6	U	6	U	1.1	J
32FED-1A-38	0 to 0.5	100000	72000		35000		87000		31000		43000		12000		52000	
32FED-1A-38	0.5 to 2	360	250		140		300		110		180		39		210	
32FED-1A-38	2 to 4	1700	1100		560		1300		620		820		340		840	
32FED-1A-38	4 to 8	6.5	5.7	U	1.4	J	3.9	J	5.7	U	7		5.7	U	2.4	J
32FED-1A-39	0 to 0.5	46	26		19		38		5.9	U	75		14	J	5.8	J
32FED-1A-39	0.5 to 2	6.4	5.7	U	5.7	U	5.7	U	5.7	U	2.4	J	5.7	UJ	0.86	J
32FED-1A-39	2 to 4	43	24		22		41		5.5	U	88		12	J	6.4	
32FED-1A-39	4 to 8	7	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	UJ	6.1	U
32FED-1A-40	0 to 0.5	110	50		26		140		51	U	280		44		51	U
32FED-1A-40	0.5 to 2	21	8.6		2.6	J	16		6.3	U	23		10	J	5.4	J
32FED-1A-40	2 to 4	7.4	3.6	J	2.8	J	8.5		5.7	U	19		2.3	J	5.7	U
32FED-1A-40	4 to 8	6.7	6	U	6	U	6	U	6	U	6	U	6	UJ	0.71	J
32FED-1A-41	0 to 0.5	150	73		41		190		5.1	U	410		56	J	12	
32FED-1A-41	0.5 to 2	6	6.2	U	6.2	U	3.1	J	6.2	U	5.8	J	2.1	J	1.1	J
32FED-1A-41	2 to 4	6.6	3.1	J	3.7	J	7.8		5.4	U	25		2.2	J	1.1	J
32FED-1A-41	4 to 8	8.5	3.7	J	3.1	J	9.7		5.8	U	22		3.3	J	1.6	J
32FED-1A-42	0 to 0.5	84	33	J	25	J	61	J	32	J	240		37	J	100	U
32FED-1A-42	0.5 to 2	4.4	1.2	J	5.2	U	0.67	J	0.63	J	1.6	J	5.2	U	5.2	U
32FED-1A-42	2 to 4	23	8.2	J	10	J	25	J	100	U	83	J	5.9	J	100	U
32FED-1A-42	4 to 8	6.2	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32FED-1A-43	0 to 0.5	11	6.1	J	3.7	J	7.2	J	5.3	J	5.5	J	3.5	J	7.2	J
32FED-1A-43	0.5 to 2	1.6	1	J	0.95	J	0.94	J	0.9	J	1.3	J	0.27	J	1.1	J
32FED-1A-43	2 to 4	4.1	5.8	U	5.8	U	5.8	UJ	5.8	U	0.8	J	0.54	J	0.64	J
32FED-1A-43	4 to 8	4	0.71	J	0.52	J	0.64	J	0.66	J	0.68	J	6.2	U	0.64	J
32FED-1A-44	0 to 0.5	120	100	U	100	U	100	UJ	100	U	47	J	100	U	100	U
32FED-1A-44	0.5 to 2	6.2	5.4	U	5.4	U	5.4	UJ	5.4	U	5.4	U	5.4	U	5.4	U
32FED-1A-44	2 to 4	32	28	U	28	U	28	UJ	28	U	4.3	J	28	U	28	U
32FED-1A-44	4 to 8	4.5	0.73	J	6.1	U	0.73	J	0.66	J	6.1	U	6.1	U	6.1	U
32FED-1A-45	0 to 0.5	41	51	UJ	4	J	51	UJ	51	UJ	14	J	9.8	J	51	UJ
32FED-1A-45	0.5 to 2	60	52	UJ	52	UJ	52	UJ	52	UJ	52	UJ	52	UJ	52	UJ
32FED-1A-45	2 to 4	40	6.3	J	52	UJ	52	UJ	52	UJ	6	J	52	UJ	52	UJ
32FED-1A-45	4 to 8	1.6	0.5	J	6	U	6	U	6	U	6	U	0.35	J	0.76	J
32FED-1A-46	0 to 0.5	220	99		49	J	80		75		59		82		230	
32FED-1A-46	0.5 to 2	17	3.9	J	5.3	UJ	5.3	U	5.3	U	5.3	U	10		29	
32FED-1A-46	2 to 4	7.5	3.2	J	5.6	UJ	5.6	U	5.6	U	5.6	U	5.6	U	8.7	
32FED-1A-46	4 to 8	18	12		5.7	J	7.9		7.9		6.2	J	6.4	U	13	

Table C1-6
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for FED-1A
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32FED-1A-47	0 to 0.5	2600	1800		1300		2100		1100		1700		380		920	
32FED-1A-47	0.5 to 2	8.5	4.8	J	2.6	J	4.4	J	3.1	J	3.6	J	5.3	U	3.6	J
32FED-1A-47	2 to 4	42	28		14		27		20		21		7.5		20	
32FED-1A-47	4 to 8	6.6	2.8	J	1.7	J	6.1	U	6.1	U	1.9	J	6.1	U	2.4	J
32FED-1A-48	0 to 0.5	73	37	J	21	J	43	J	25	J	98	J	26	J	30	J
32FED-1A-48	0.5 to 2	2.7	1.8	J	2.3	J	1.5	J	1.3	J	1.5	J	0.3	J	1.7	J
32FED-1A-48	2 to 4	3.5	1.3	J	1.6	J	2	J	1.3	J	5.8	J	1.7	J	1.5	J
32FED-1A-48	4 to 8	6.9	6	UJ	6	UJ	6	UJ	6	UJ	6	UJ	6	UJ	6	UJ
32FED-1A-49	0 to 0.5	84	41		37		76		5.2	U	180		31	J	9.1	J
32FED-1A-49	0.5 to 2	6.2	5.5	U	5.5	U	2	J	5.5	U	4.4	J	2.8	J	1.8	J
32FED-1A-49	2 to 4	22	9		11		18		3.2	J	59		9.5		3.3	J
32FED-1A-49	4 to 8	7.2	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32FED-1A-50	0 to 0.5	16	8.4		3.7	J	18		5.2	U	30		4.5	J	4	J
32FED-1A-50	0.5 to 2	6.7	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	UJ	2.7	J
32FED-1A-50	2 to 4	8.8	4.4	J	6.2	U	7.3		6.2	U	18		3	J	6.2	U
32FED-1A-50	4 to 8	7.2	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	UJ	6.2	U
32FED-1A-51	0 to 0.5	22	6.8		2.5	J	13		5.2	U	18		13		5.4	
32FED-1A-51	0.5 to 2	7.1	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	1.7	J
32FED-1A-51	2 to 4	6.2	5.5	U	5.5	U	1.5	J	5.5	U	5.5	U	2.8	J	2.3	J
32FED-1A-51	4 to 8	6.6	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32FED-1A-52	0 to 0.5	6.8	3.4	J	5.1	U	5	J	5.1	U	12		5.1	U	0.72	J
32FED-1A-52	0.5 to 2	6.2	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	1.3	J
32FED-1A-52	2 to 4	6	2.4	J	5.7	U	3.1	J	5.7	U	7.4		5.7	U	0.78	J
32FED-1A-52	4 to 8	6.9	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32FED-1A-53	0 to 0.5	31	27	U	27	U	27	U	27	U	27	U	27	U	27	U
32FED-1A-53	0.5 to 2	6.5	2.8	J	5.8	U	5.8	U	5.8	U	1.8	J	5.8	U	1.8	J
32FED-1A-53	2 to 4	7.4	4	J	2.2	J	8	J	5.7	UJ	9.9		2.2	J	1.5	J
32FED-1A-53	4 to 8	6.9	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32FED-1A-54	0 to 0.5	11	5.3	U	5.3	UJ	3.1	J	5.3	U	6.3	J	7.1		5.9	
32FED-1A-54	0.5 to 2	6.6	5.7	U	5.7	UJ	5.7	U	5.7	U	5.7	UJ	5.7	U	5.7	U
32FED-1A-54	2 to 4	6.8	5.9	U	5.9	UJ	5.9	U	5.9	U	5.9	UJ	5.9	U	5.9	U
32FED-1A-54	4 to 8	6.9	6	U	6	UJ	6	U	6	U	6	UJ	6	U	6	U
32FED-1A-55	0 to 0.5	9.1	5.1	J	3.2	J	5.6		5.1		6.4		5.1	U	5.1	J
32FED-1A-55	0.5 to 2	6.1	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	1	J
32FED-1A-55	2 to 4	6.2	5.6	U	5.6	U	1.7	J	5.6	U	2.1	J	5.6	U	1.5	J
32FED-1A-55	4 to 8	7	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32FED-1A-56	0 to 0.5	8.8	4	J	2.2	J	5.2	J	4.8	J	5.4		3.4	J	6.2	
32FED-1A-56	0.5 to 2	20	14		12		9.7		12		14		2.9	J	8.8	
32FED-1A-56	2 to 4	9.3	5.8		2.9	J	6.3		4.6	J	3.9	J	1.8	J	7.2	
32FED-1A-56	4 to 8	12	8.4		3.3	J	7.1		6.7		4.3	J	1.5	J	7.3	
32FED-1A-57	0 to 0.5	140	99		50		120		39		66		17		99	
32FED-1A-57	0.5 to 2	25	17		10		22		6.8		13		2.6	J	17	
32FED-1A-57	2 to 4	33	23		14		29		9.2		18		3.4	J	23	
32FED-1A-57	4 to 8	10	6.1		2.7	J	4.4	J	4.1	J	3.2	J	6.1	U	5.5	J
32FED-1A-58	0 to 0.5	1400	890		550	J	1100		770		710		230		640	
32FED-1A-58	0.5 to 2	240	170		95	J	150		170		130		27		120	

Table C1-6
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for FED-1A
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32FED-1A-58	2 to 4	39000	27000		12000	J	22000		29000		16000		6700		16000	
32FED-1A-58	4 to 8	13000	9000		4700	J	10000		7700		6200		2200		5300	
32FED-1A-59	0 to 0.5	6.6	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32FED-1A-59	0.5 to 2	6.8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32FED-1A-59	2 to 4	6.3	6	U	6	U	2.9	J	6	U	6.4		2.4	J	3.2	J
32FED-1A-59	4 to 8	6.9	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32FED-1A-60	0 to 0.5	8.6	2.7	J	1.5	J	3.6	J	5.2	U	5.2		5	J	3.1	J
32FED-1A-60	0.5 to 2	7	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32FED-1A-60	2 to 4	9.8	3.4	J	1.8	J	6.4		5.6	U	15		5.3	J	2.7	J
32FED-1A-60	4 to 8	7	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32FED-1A-61	0 to 0.5	220	100		150		230		54	U	610		82		29	J
32FED-1A-61	0.5 to 2	15	6.4		2.7	J	9.6		6.3	U	21		6.6	J	4.2	J
32FED-1A-61	2 to 4	26	12		11		23		5.9	U	51		10	J	6.4	J
32FED-1A-61	4 to 8	6.9	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	UJ	0.78	J
32FED-1A-62	0 to 0.5	5.9	5.7	U	5.7	U	3.7	J	5.7	U	7.9		2.1	J	2.5	J
32FED-1A-62	0.5 to 2	6.7	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32FED-1A-62	2 to 4	6.8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32FED-1A-62	4 to 8	6.9	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32FED-1A-63	0 to 0.5	6	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
32FED-1A-63	0.5 to 2	6.2	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32FED-1A-63	2 to 4	8.8	4.8	J	3.1	J	3.3	J	2.9	J	3.8	J	5.9	U	3.3	J
32FED-1A-63	4 to 8	6.9	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32FED-1A-64	0 to 0.5	6.7	5.9	U	5.9	UJ	2.4	J	5.9	UJ	2.6	J	5.9	U	2.3	J
32FED-1A-64	0.5 to 2	6.7	5.8	U	5.8	UJ	5.8	UJ	5.8	UJ	5.8	U	5.8	U	5.8	U
32FED-1A-64	2 to 4	6.9	6	U	6	UJ	6	UJ	6	UJ	6	U	6	U	6	U
32FED-1A-64	4 to 8	6.9	6	U	6	UJ	6	UJ	6	UJ	6	U	6	U	6	U
32FED-1A-65	0 to 0.5	61	53	UJ	53	UJ	53	UJ	53	UJ	5.3	J	53	UJ	53	UJ
32FED-1A-65	0.5 to 2	6.2	5.6	U	5.6	U	5.6	U	0.67	J	5.6	U	5.6	U	0.63	J
32FED-1A-65	2 to 4	18	9	J	6.3	J	63	U	5.9	J	6.2	J	4.2	J	8.4	J
32FED-1A-65	4 to 8	5	1.7	J	0.99	J	1.3	J	1.7	J	1.1	J	5.8	U	1.3	J
32FED-1A-66	0 to 0.5	15	4.6	J	5.9	J	8.6	J	52	UJ	32	J	6.1	J	52	UJ
32FED-1A-66	0.5 to 2	1.4	0.7	J	0.47	J	0.63	J	0.65	J	1.2	J	0.47	J	0.75	J
32FED-1A-66	2 to 4	44	57	U	57	U	57	U	57	U	7.7	J	8.3	J	7.3	J
32FED-1A-66	4 to 8	7.2	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32FED-1A-67	0 to 0.5	5.3	2	J	5.2	U	5.2	U	5.2	U	6		5.2	U	1.5	J
32FED-1A-67	0.5 to 2	180	120		62		120		100		88		34		87	
32FED-1A-67	2 to 4	670	450		230		500		270		340		110		320	
32FED-1A-67	4 to 8	26	17		11		17		14		14		4.7	J	12	
32FED-1A-68	0 to 0.5	31	27	UJ	27	UJ	27	UJ	27	UJ	27	UJ	27	UJ	27	UJ
32FED-1A-68	0.5 to 2	6	5.6	UJ	0.44	J	5.6	UJ	5.6	UJ	1	J	5.6	UJ	0.63	J
32FED-1A-68	2 to 4	35	30	U	30	U	30	U	30	U	30	U	30	U	30	U
32FED-1A-68	4 to 8	6.7	6	UJ	0.45	J	6	UJ	6	UJ	6	UJ	6	UJ	6	UJ
32FED-1A-69	0 to 0.5	6.2	5.4	U	5.4	U	1.9	J	5.4	U	2.1	J	5.4	U	5.4	U
32FED-1A-69	0.5 to 2	6.6	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32FED-1A-69	2 to 4	6.7	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32FED-1A-69	4 to 8	6.9	6	U	6	U	6	U	6	U	6	U	6	U	6	U

Table C1-6
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for FED-1A
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet bgs)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32FED-1A-70	0 to 0.5	5.4	2	J	0.87	J	1.7	J	1.2	J	1.7	J	6	U	1.4	J
32FED-1A-70	0.5 to 2	4.5	1.1	J	6	U	0.71	J	0.44	J	6	U	6	U	0.66	J
32FED-1A-70	2 to 4	5.5	2.1	J	0.52	J	0.86	J	0.91	J	1	J	6	U	6	U
32FED-1A-70	4 to 8	6.7	2.6	J	6.2	U	6.2	U	6.2	U	6.2	UJ	6.2	U	6.2	U
32FED-1A-71	0 to 0.5	4.9	1	J	6	U	6	U	0.36	J	0.57	J	6	U	6	U
32FED-1A-71	0.5 to 2	5.4	1.4	J	6.2	U	6.2	U	0.38	J	6.2	UJ	6.2	U	6.2	U
32FED-1A-71	2 to 4	5.4	1.3	J	6.3	U	6.3	U	6.3	U	6.3	UJ	6.3	U	6.3	U
32FED-1A-71	4 to 8	4.9	0.88	J	6.2	U	6.2	U	6.2	U	6.2	UJ	6.2	U	6.2	U
32FED-1A-72	0 to 0.5	3.7	0.86	J	0.46	J	0.58	J	0.76	J	1.1	J	5.3	U	0.82	J
32FED-1A-72	0.5 to 2	4.7	1.5	J	0.65	J	0.65	J	1.3	J	0.91	J	5.8	U	1.9	J
32FED-1A-72	2 to 4	4	0.94	J	0.55	J	0.82	J	0.49	J	0.48	J	5.7	U	0.96	J
32FED-1A-72	4 to 8	6.8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32FED-1A-73	0 to 0.5	6.6	5.9	U	5.9	UJ	5.9	UJ	5.9	UJ	5.9	U	5.9	U	0.93	J
32FED-1A-73	0.5 to 2	7	6.1	U	6.1	UJ	6.1	UJ	6.1	UJ	6.1	U	6.1	U	6.1	U
32FED-1A-73	2 to 4	7.2	6.2	U	6.2	UJ	6.2	UJ	6.2	UJ	6.2	U	6.2	U	6.2	U
32FED-1A-73	4 to 8	7	6.1	U	6.1	UJ	6.1	UJ	6.1	UJ	6.1	U	6.1	U	6.1	U
32FED-1A-74	0 to 0.5	760	480	J	230	J	430	J	460	J	560	J	160	J	440	J
32FED-1A-74	0.5 to 2	20	4.7	J	3	J	3.4	J	3.4	J	4.1	J	29	UJ	4.6	J
32FED-1A-74	2 to 4	77	56	J	33	J	47	J	62		63		8.1	J	40	J
32FED-1A-74	4 to 8	7.2	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32FED-1A-75	0 to 0.5	28	27	U	4.4	J	13	J	27	U	34		12	J	5.3	J
32FED-1A-75	0.5 to 2	6.2	5.5	U	5.5	U	5.5	U	5.5	U	2.2	J	5.5	U	1.3	J
32FED-1A-75	2 to 4	6.3	5.7	U	5.7	U	1.5	J	5.7	U	2.2	J	5.7	U	1.6	J
32FED-1A-75	4 to 8	19	13		8.7		7.5		9		9.6		6.2	U	9	
32FED-1A-76	0 to 0.5	7.7	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	3.8	J	4.8	J
32FED-1A-76	0.5 to 2	8.1	4.1	J	2.3	J	3.9	J	6	U	2.2	J	6	U	3.8	J
32FED-1A-76	2 to 4	6.6	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	0.71	J
32FED-1A-76	4 to 8	6.9	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32FED-1A-77	0 to 0.5	19	7	J	6	J	7.2	J	11	J	40	J	9.2	J	29	UJ
32FED-1A-77	0.5 to 2	4.3	0.93	J	1	J	1.3	J	0.73	J	2.3	J	6	UJ	0.93	J
32FED-1A-77	2 to 4	14	7	J	5.7	J	2.9	J	8.7	J	31	J	4.1	J	29	UJ
32FED-1A-77	4 to 8	6.6	5.9	UJ	0.42	J	5.9	UJ	5.9	UJ	1	J	5.9	UJ	5.9	UJ
32FED-1A-78	0 to 0.5	6.1	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32FED-1A-78	0.5 to 2	6.8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32FED-1A-78	2 to 4	6.7	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32FED-1A-78	4 to 8	6.9	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32FED-1A-79	0 to 0.5	6.6	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32FED-1A-79	0.5 to 2	6.8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32FED-1A-79	2 to 4	6.9	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32FED-1A-79	4 to 8	7.2	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U

Acronyms/Abbreviations:
bgs – below ground surface
PAH – polynuclear aromatic hydrocarbon

Data Qualifiers:
U – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit
J – indicates an estimated value
UJ – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit; the reporting limit, in this case, is an estimated value

Table C1-7
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for PBC-1A
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	Depth (feet)	B(a)P Equivalents	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32PBC-1A-1	0 to 0.5	6.4	5.6	U	5.6	U	2	J	5.6	U	4.2	J	5.6	U	5.6	U
32PBC-1A-1	0.5 to 2	6.6	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	0.89	J
32PBC-1A-1	2 to 4	35	27		16		15		16		19		6	U	20	
32PBC-1A-1	4 to 8	6.6	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	0.85	J
32PBC-1A-2	0 to 0.5	590	510	U	510	U	510	UJ	510	U	510	U	510	U	510	U
32PBC-1A-2	0.5 to 2	28	17	J	3.8	J	18	J	18	J	60	J	7.5	J	6.1	J
32PBC-1A-2	2 to 4	33	23	J	8.4		18	J	2.7	J	55	J	6.8	J	7.4	J
32PBC-1A-2	4 to 8	53	40	J	15		34	J	23	J	20	J	5.6	J	21	J
32PBC-1A-3	0 to 0.5	590	530	U	64	J	530	UJ	530	U	220	J	530	U	530	U
32PBC-1A-3	0.5 to 2	640	550	U	550	U	550	UJ	550	U	550	U	550	U	550	U
32PBC-1A-3	2 to 4	650	560	U	560	U	560	UJ	560	U	43	J	560	U	560	U
32PBC-1A-3	4 to 8	11	8.8		2.6	J	3.4	J	6.1		3.3	J	0.45	J	6.5	
32PBC-1A-4	0 to 0.5	10	6.1		3	J	4.1	J	4	J	4.1	J	5.6	U	4.8	J
32PBC-1A-4	0.5 to 2	15	6.2		2.3	J	9.3		5.6	U	14		6.3		9.6	
32PBC-1A-4	2 to 4	11	7.4		3.1	J	6.5		3.2	J	7.9		1.9	J	7.2	
32PBC-1A-4	4 to 8	8.4	4.4	J	1.7	J	3	J	6.1	U	6.1	U	6.1	U	4.4	J
32PBC-1A-5	0 to 0.5	4.4	0.75	J	0.38	J	6	U	6	U	6	U	6	U	6	U
32PBC-1A-5	0.5 to 2	8.6	5.7	J	5.1	J	5	J	6.6	J	5.8		1.4	J	4.2	J
32PBC-1A-5	2 to 4	3.2	1.9	J	2.3	J	1.2	J	2.2	J	1.7	J	0.79	J	1.8	J
32PBC-1A-5	4 to 8	8.2	4.2	J	2.5	J	1.7	J	3.1	J	2.4	J	6.3	UJ	3.5	J
32PBC-1A-6	0 to 0.5	50	30		19	J	23	J	21	J	28		27	U	20	J
32PBC-1A-6	0.5 to 2	53	35		22	J	27	U	27	U	79		27	U	7.8	J
32PBC-1A-6	2 to 4	46	32		18		34		19		45		7.5		11	
32PBC-1A-7	0 to 0.5	28	16		11		14		8.9		26		7.7		12	
32PBC-1A-7	0.5 to 2	35	25		4.6	J	17		9.4		23		5.2	J	28	
32PBC-1A-7	2 to 4	6.6	3	J	2	J	3.6	J	5.6	U	9.3		5.6	U	2.1	J
32PBC-1A-7	4 to 8	240	170		84		150		110		120		18		250	
32PBC-1A-8	0 to 0.5	4.8	1.2	J	6.8	J	0.83	J	1.2	J	1.4	J	5.5	UJ	0.82	J
32PBC-1A-8	0.5 to 2	180	110	J	120		170	J	170	J	170		34	J	93	J
32PBC-1A-8	4 to 8	24	16	J	14	J	11	J	15	J	23	J	4.8	J	10	J
32PBC-1A-9	0 to 0.5	37	26		18		25		24		27		5.5		13	
32PBC-1A-9	0.5 to 2	8.2	4.2	J	3.5	J	4.1	J	3.1	J	4.1	J	5.9	U	2.7	J
32PBC-1A-9	2 to 4	65	44		57		45		43		58		8.6		18	
32PBC-1A-9	4 to 8	14	9.4		4.3	J	6.6		4.9	J	4.9	J	6.1	U	6	J
32PBC-1A-10	0 to 0.5	10	6.8		4.4	J	5.7		5.2	J	6.2		2.1	J	3.1	J
32PBC-1A-10	0.5 to 2	7.2	3.6	J	2.4	J	2.5	J	2.1	J	2.6	J	5.8	U	2	J
32PBC-1A-10	2 to 4	7.1	3.2	J	6.2	U	2.3	J	6.2	U	6.2	U	6.2	U	2.1	J
32PBC-1A-10	4 to 8	13	8.8		2.5	J	5.7	J	4.3	J	2.9	J	6.1	U	4.9	J

Acronyms/Abbreviations:
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PAH – polynuclear aromatic hydrocarbon

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Table C1-8
B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results
for PBC-3
(results reported in micrograms per kilogram)

			Benzo(a)pyrene		Benz(a)anthracene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Indeno(1,2,3-c,d)pyrene	
Station ID	**Depth (feet bgs)**	**B(a)P Equivalents**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32PBC-3-1	0 to 0.5	49	33	J	19		42		12	J	34		7.6		23	
32PBC-3-1	0.5 to 2	35	26	J	14	J	31	J	11	J	23	J	3.4	J	12	J
32PBC-3-1	2 to 4	49	36	J	15	J	43	J	18	J	37	J	5.8	J	14	J
32PBC-3-2	0 to 0.5	7.8	4	J	1.8	J	6.9	J	5.3	UJ	11	J	5.3	UJ	5.3	UJ
32PBC-3-2	0.5 to 2	120	90	J	57	J	70	J	60	J	70	J	12	J	68	J
32PBC-3-2	2 to 4	160	120	J	61	J	110	J	65	J	110	J	13	J	43	J
32PBC-3-3	0 to 0.5	16	11	J	6.1	J	8	J	6.7	J	7.7	J	6.1	UJ	8.1	J
32PBC-3-4	0 to 0.5	41	31	J	10	J	23	J	18	J	16	J	4.3	J	27	J
32PBC-3-4	0.5 to 2	120	89	J	65	J	57	J	55	J	66	J	9.4	J	50	J

Acronyms/Abbreviations:
bgs – below ground surface
PAH – polynuclear aromatic hydrocarbon

Data Qualifiers:
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UJ – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit; the reporting limit, in this case, is an estimated value

Table C1-9
Nonarcinogenic PAH Soil Sampling Results
for EDC-3
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32EDC-3-1	0 to 0.5	5.2	U	5.2	U	1.6	J	5.2	U	54		1.9	J	5.2	U	5.2	U	2.4	J	4.2	J
32EDC-3-1	0.5 to 2	5.2	U	5.2	U	5.2	U	5.2	U	9.6		5.2	U	5.2	U	5.2	U	3	J	5.2	U
32EDC-3-1	2 to 4	5.2	U	5.2	U	5.2	U	5.2	U	6.5		5.2	U	5.2	U	5.2	U	4.1	J	5.2	U
32EDC-3-1	4 to 8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32EDC-3-2	0 to 0.5	0.71	J	6.1	U	6.1	UJ	0.99	J	6.1	UJ	6.1	UJ	6.1	UJ	6.1	UJ	3.5	J	10	J
32EDC-3-2	0.5 to 2	5.3	UJ	5.3	UJ	5.3	U	5.3	UJ	7.1	J	0.37	J	5.3	UJ	5.3	UJ	0.86	J	4.5	J
32EDC-3-2	2 to 4	0.34	J	5.7	UJ	5.7	U	5.7	UJ	2.2	J	0.59	J	5.7	UJ	5.7	UJ	0.46	J	1.6	J
32EDC-3-2	4 to 8	6	UJ	6	UJ	6	UJ	6	UJ	1.2	J	1	J	6	UJ	6	UJ	6	UJ	1.4	J
32EDC-3-3	0 to 0.5	5.7	U	5.7	U	5.7	U	5.7	U	30		2	J	5.7	U	5.7	U	5.7	U	2	J
32EDC-3-3	0.5 to 2	3	J	5.5	U	5.5	U	5.5	U	20		6		5.5	U	5.5	U	11		8.3	
32EDC-3-3	2 to 4	7.4		4.3	J	5.5	U	17		52		120		6.6		2.3	J	62		100	
32EDC-3-3	4 to 8	5.4	J	6.1	U	6.1	U	6.1	U	17		3.8	J	1.7	J	6.1	U	12		5.4	J
32EDC-3-4	0 to 0.5	1.3	J	5.8	U	2.5	J	3.6	J	19		12		5.8	U	1.2	J	6.8		18	
32EDC-3-4	0.5 to 2	2.1	J	5.5	U	6.1		14		65		5.5	U	5.5	U	2.7	J	5.7		5.5	U
32EDC-3-4	2 to 4	6.2	U	6.2	U	6.2	U	1.9	J	17		6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32EDC-3-4	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	2.6	J	2	J	6.1	U	6.1	U	6.1	U	3.2	J
32EDC-3-5	0 to 0.5	0.33	J	5.4	UJ	5.4	U	0.48	J	3	J	4.2	J	5.4	UJ	0.44	J	5	J	5.6	
32EDC-3-5	0.5 to 2	0.77	J	5.4	UJ	5.4	UJ	0.62	J	8.3	J	4.3	J	5.4	UJ	0.58	J	2.5	J	5.9	J
32EDC-3-5	2 to 4	5.8	UJ	5.8	UJ	5.8	U	5.8	UJ	4	J	1.8	J	5.8	UJ	5.8	UJ	1	J	2.5	J
32EDC-3-5	4 to 8	0.68	J	6.1	UJ	6.1	UJ	0.69	J	10		4.9	J	2	J	0.77	J	1.3	J	35	J
32EDC-3-6	0 to 0.5	5.2	U	5.2	U	5.2	U	5.2	U	1.6	J	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
32EDC-3-6	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	U	3.2	J	1.9	J	5.4	U	5.4	U	1.5	J	2.2	J
32EDC-3-6	2 to 4	1.3	J	5.7	U	5.7	U	5.7	U	3.6	J	5.7	U	5.7	U	1	J	5.7	U	1.9	J
32EDC-3-6	4 to 8	1400		160		6.2	U	14		35		41		67		950		41		86	
32EDC-3-7	0 to 0.5	5.4	U	5.4	U	5.4	U	5.4	U	1.7	J	5.4	U	5.4	U	5.4	U	1.9	J	5.4	U
32EDC-3-7	0.5 to 2	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
32EDC-3-7	2 to 4	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32EDC-3-7	4 to 8	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32EDC-3-8	0 to 0.5	110	U	110	U	110	U	110	U	10	J	110	U	110	U	110	U	110	U	110	U
32EDC-3-8	0.5 to 2	0.49	J	110	U	110	U	0.68	J	24	J	1.4	J	110	U	0.37	J	110	U	1.9	J
32EDC-3-8	2 to 4	0.33	J	5.9	UJ	5.9	UJ	5.9	UJ	3.9	J	1.7	J	5.9	UJ	5.9	UJ	0.63	J	2.2	J
32EDC-3-8	4 to 8	5.9	UJ	5.9	UJ	5.9	UJ	5.9	UJ	6.3	J	3.7	J	5.9	UJ	0.54	J	1.3	J	7.7	J
32EDC-3-9	0 to 0.5	5.3	U	5.3	U	5.3	U	5.3	U	77		3.8	J	5.3	U	5.3	U	2.3	J	5.9	
32EDC-3-9	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	U	43		4.7	J	5.4	U	5.4	U	1.7	J	7.6	
32EDC-3-9	2 to 4	5.8	U	5.8	U	5.8	U	5.8	U	20		4.1	J	5.8	U	5.8	U	2.3	J	5.9	
32EDC-3-9	4 to 8	6.2	U	6.2	U	6.2	U	6.2	U	1.9	J	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32EDC-3-10	0 to 0.5	17	J	100	U	100	U	8.8	J	93	J	45	J	100	U	26	J	130		110	
32EDC-3-10	0.5 to 2	18	J	110	U	110	U	110	U	33	J	40	J	110	U	52	J	30	J	69	J
32EDC-3-10	2 to 4	100	J	110	U	110	U	14	J	36	J	69	J	110	U	71	J	84	J	94	J
32EDC-3-10	4 to 8	760		89	J	89	J	390		78	J	220		66	J	830		370		310	
32EDC-3-11	0 to 0.5	21	J	110	U	110	U	110	U	41	J	110	U	53	J	110	U	78	J	12	J
32EDC-3-11	0.5 to 2	0.36	J	5.5	UJ	5.5	U	5.5	U	0.73	J	5.5	U	1.3	J	5.5	UJ	2.3	J	1.4	J
32EDC-3-11	2 to 4	6.3	UJ	6.3	UJ	6.3	UJ	6.3	UJ	6.3	UJ	0.44	J	6.3	UJ	6.3	UJ	0.74	J	1	J
32EDC-3-11	4 to 8	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	0.5	J
32EDC-3-12	0 to 0.5	5.3	U	5.3	U	5.3	U	5.3	U	35		10		5.3	U	5.3	U	5.3		16	
32EDC-3-12	0.5 to 2	5.8	U	5.8	U	5.8	U	5.8	U	8.2		5.9		5.8	U	5.8	U	5.8	U	8.8	
32EDC-3-12	2 to 4	6.1	U	6.1	U	6.1	U	6.1	U	12		9.1		6.1	U	6.1	U	2.4	J	15	
32EDC-3-12	4 to 8	6.1	U	6.1	U	4.3	J	9.8		150		140		1.9	J	10		21		320	
32EDC-3-13	0 to 0.5	0.73	J	5.3	U	5.3	U	1.6	J	11		3.1	J	5.3	U	0.49	J	2.3	J	4.7	J

Table C1-9
Nonarcinogenic PAH Soil Sampling Results
for EDC-3
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32EDC-3-13	0.5 to 2	2	J	1.3	J	1.1	J	2.6	J	21	J	6.3	J	1.2	J	2.6	J	5.9	J	8.4	J
32EDC-3-13	2 to 4	5.8	U	5.8	UJ	5.8	U	5.8	U	4.1	J	1.8	J	5.8	U	5.8	UJ	0.66	J	2.8	J
32EDC-3-13	4 to 8	6.4	UJ	6.4	UJ	6.4	UJ	6.4	UJ	1.1	J	0.65	J	6.4	UJ	6.4	UJ	6.4	UJ	1.1	J
32EDC-3-14	0 to 0.5	5.4	U	5.4	U	5.4	U	5.4	U	44		9.5		5.4	U	5.4	U	3.3	J	14	
32EDC-3-14	0.5 to 2	5.7	U	5.7	U	5.7	U	5.7	U	9.2		7.5		5.7	U	5.7	U	2.4	J	11	
32EDC-3-14	2 to 4	5.6	U	5.6	U	5.6	U	5.6	U	9.4		5.6	J	5.6	U	5.6	U	4.6	J	9.8	
32EDC-3-14	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32EDC-3-15	0 to 0.5	61		4.1	J	5.3	U	3.3	J	42		6.4		15		19		67		19	
32EDC-3-15	0.5 to 2	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	2.5	J	5.6	U
32EDC-3-15	2 to 4	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32EDC-3-15	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32EDC-3-16	0 to 0.5	30		3.3	J	5.4	U	2	J	20	J	2.1	J	15		26		38		9.9	
32EDC-3-16	0.5 to 2	0.36	J	5.3	U	5.3	U	0.64	J	8.1		15		5.3	U	0.52	J	5.2	J	19	
32EDC-3-16	2 to 4	5.7	U	5.7	U	5.7	U	5.7	U	0.48	J	5.7	U	5.7	U	5.7	U	5.7	U	0.48	J
32EDC-3-16	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32EDC-3-17	0 to 0.5	5.1	U	2.3	J	5.1	U	5.1	U	16		5.1	U	4.1	J	5.1	U	4.3	J	4.3	J
32EDC-3-17	0.5 to 2	5.2	U	5.2	U	5.2	U	5.2	U	4.1	J	5.2	U	1.5	J	5.2	U	1.3	J	3.2	J
32EDC-3-17	2 to 4	5.7	U	5.7	U	5.7	U	5.7	U	2.3	J	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32EDC-3-17	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32EDC-3-18	0 to 0.5	5.5	U	5.5	U	5.5	U	5.5	U	1.5	J	5.5	U	5.5	U	5.5	U	5.5	U	2.7	J
32EDC-3-18	0.5 to 2	5.9	U	5.9	U	5.9	U	2.1	J	12		31		5.9	U	5.9	U	14		43	
32EDC-3-18	2 to 4	6	U	6	U	6	U	6	U	3.3	J	3.3	J	6	U	6	U	6	U	6.5	
32EDC-3-18	4 to 8	6.3	U	6.3	U	6.3	U	6.3	U	15		12		6.3	U	6.3	U	2.6	J	41	
32EDC-3-19	0 to 0.5	4.2	J	1.5	J	3	J	8.7		31		53		2.3	J	4.4	J	31		74	
32EDC-3-19	0.5 to 2	10		4.2	J	5.4		20		56		90		7.4		7.4		66		120	
32EDC-3-19	2 to 4	9.5		14		5.2	J	45		96		340		18		7.4		150		350	
32EDC-3-19	4 to 8	7		3	J	4.1	J	17		33		85		4.8	J	5.9		48		110	
32EDC-3-20	0 to 0.5	5.4	U	5.4	U	5.4	U	5.4	U	29		6.6		1.4	J	5.4	U	4.3	J	12	
32EDC-3-20	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	3.4	J	1.7	J	5.3	U	5.3	U	5.3	U	2.6	J
32EDC-3-20	2 to 4	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32EDC-3-20	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32EDC-3-21	0 to 0.5	1.1	J	1.9	J	1	J	2.9	J	5.5	UJ	20		5.5	U	1.3	J	12		18	
32EDC-3-21	0.5 to 2	5.9	U	5.9	U	5.9	U	5.9	U	17		13		5.9	U	5.9	U	4	J	14	
32EDC-3-21	2 to 4	5.9	U	1.7	J	3.7	J	6.7		170		170		1.4	J	4.4	J	37		220	
32EDC-3-21	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32EDC-3-22	0 to 0.5	1.9	J	1	J	1.7	J	5.4	U	23	J	5.3	J	2.1	J	1	J	5.5		27	
32EDC-3-22	0.5 to 2	13		2.3	J	5.5	U	1.5	J	6.6	J	4.1	J	20		4.3	J	26		26	
32EDC-3-22	2 to 4	19		1.2	J	1.7	J	5.4	U	16	J	3.2	J	28		10		35		16	
32EDC-3-22	4 to 8	5.9	U	5.9	U	5.9	U	5.9	U	0.61	J	2.2	J	5.9	U	5.9	U	1.1	J	3.6	J

Acronyms/Abbreviations:
bgs – below ground surface
PAH – polynuclear aromatic hydrocarbon

Data Qualifiers:
U – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit
J – indicates an estimated value
UJ – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit; the reporting limit, in this case, is an estimated value

Table C1-10
Noncarcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32EDC-5-1	0 to 0.5	5.2	U	5.2	U	5.2	U	5.2	U	1.6	J	1.8	J	5.2	U	5.2	U	5.2	U	2	J
32EDC-5-1	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-5-1	2 to 4	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-5-1	4 to 8	5.7	U	5.7	U	5.7	U	5.7	U	2.7	J	2.2	J	5.7	U	5.7	U	5.7	U	3	J
32EDC-5-2	0 to 0.5	2.9	J	5.3	U	2.4	J	3.9	J	50		54		1.2	J	2.7	J	29		58	
32EDC-5-2	0.5 to 2	5.6	U	5.6	U	5.6	U	5.6	U	5.6	J	5	J	5.6	U	5.6	U	2	J	6.7	
32EDC-5-2	2 to 4	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32EDC-5-2	4 to 8	6	U	6	U	6	U	6	U	2.5	J	2.8	J	6	U	6	U	1.8	J	4	J
32EDC-5-3	0 to 0.5	5.2	U	5.2	U	25		5.2	UJ	56		5.2	UJ	27		5.2	U	39	J	89	J
32EDC-5-3	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	UJ	5.3	U	5.3	UJ	5.3	U	5.3	U	5.3	UJ	5.3	UJ
32EDC-5-3	2 to 4	6	U	6	U	6	U	6	UJ	6	U	6	UJ	6	U	6	U	6	UJ	6	UJ
32EDC-5-3	4 to 8	6	U	6	U	6	U	6	UJ	6	U	6	UJ	6	U	6	U	6	UJ	6	UJ
32EDC-5-4A	0 to 0.5	0.67	J	11	U	11	U	11	U	2.4	J	2.2	J	11	U	11	U	1.6	J	3.7	J
32EDC-5-4A	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	5.9		5.7		5.3	U	0.36	J	1.7	J	8.6	
32EDC-5-4A	2 to 4	0.51	J	0.97	J	9.5		17		99		350		2.4	J	3.5	J	91		440	
32EDC-5-4A	4 to 8	12	U	12	U	12	U	12	U	6.4	J	3.7	J	12	U	12	U	1.9	J	6.6	J
32EDC-5-5	0 to 0.5	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	UJ	5.7	U	5.7	U	5.7	UJ	5.7	U
32EDC-5-5	0.5 to 2	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	UJ	5.9	U	5.9	U	5.9	UJ	5.9	U
32EDC-5-5	2 to 4	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	UJ	5.9	U	5.9	U	5.9	UJ	5.9	U
32EDC-5-5	4 to 8	6	U	6	U	6	U	6	U	1.7	J	6	UJ	6	U	6	U	6	UJ	6	U
32EDC-5-6	0 to 0.5	5.4	U	5.4	U	5.4	U	5.4	U	0.48	J	5.4	U	5.4	U	5.4	U	5.4	UJ	5.4	UJ
32EDC-5-6	0.5 to 2	5.5	U	5.5	U	5.5	U	5.5	U	0.48	J	0.62	J	5.5	U	5.5	U	0.41	J	0.7	J
32EDC-5-6	2 to 4	5.8	U	5.8	U	5.8	U	5.8	U	0.58	J	0.53	J	5.8	U	5.8	U	5.8	UJ	0.75	J
32EDC-5-6	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	0.81	J	0.37	J	6.1	U	6.1	U	6.1	UJ	1.1	J
32EDC-5-7	0 to 0.5	5.4	U	5.4	U	3.6	J	6.9	J	26		32	J	5.4	U	0.8	J	14	J	36	J
32EDC-5-7	0.5 to 2	5.7	U	5.7	U	5.7	U	5.7	UJ	5.7	U	5.7	UJ	5.7	U	5.7	U	5.7	UJ	5.7	UJ
32EDC-5-7	2 to 4	2.5	J	46		2.4	J	170	J	340		1700	J	65		2.5	J	960	J	1100	J
32EDC-5-7	4 to 8	6	U	6	U	2.2	J	5.1	J	6.8		6.4	J	6	U	6	U	1.8	J	4	J
32EDC-5-8	0 to 0.5	2.2	J	5.6	U	1.8	J	2	J	24		29		5.6	U	2.7	J	15		34	
32EDC-5-8	0.5 to 2	0.79	J	6.2	U	6.2	U	6.2	U	1.3	J	1.6	J	6.2	U	0.56	J	1.1	J	1.8	J
32EDC-5-8	2 to 4	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	0.34	J	5.4	U	5.4	U	5.4	U	0.56	J
32EDC-5-8	4 to 8	6.3	U	6.3	U	6.3	U	6.3	U	2.8	J	1.6	J	6.3	U	6.3	U	0.45	J	4.4	J
32EDC-5-9	0 to 0.5	5.2	U	5.2	U	21		5.2	UJ	23		35	J	5.2	U	5.2	U	5.2	UJ	31	J
32EDC-5-9	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	UJ	5.4	U	5.4	UJ	5.4	U	5.4	U	5.4	UJ	5.4	UJ
32EDC-5-9	2 to 4	5.2	U	5.2	U	5.2	U	5.2	UJ	5.2	U	5.2	UJ	5.2	U	5.2	U	5.2	UJ	5.2	UJ
32EDC-5-9	4 to 8	5.8	U	5.8	U	5.8	U	5.8	UJ	5.8	U	5.8	UJ	5.8	U	5.8	U	5.8	UJ	5.8	UJ
32EDC-5-10	0 to 0.5	5.4	U	5.4	U	5.4	U	5.4	U	65		8.2		1.5	J	5.4	U	9.9		15	
32EDC-5-10	0.5 to 2	5.6	U	5.6	U	5.6	U	5.6	U	6.6		3.5	J	5.6	U	5.6	U	5.6	U	5.7	
32EDC-5-10	2 to 4	6	U	6	U	6	U	1.8	J	28		31		6	U	6	U	9.5		52	
32EDC-5-10	4 to 8	6.2	U	6.5		2.1	J	7.6		83		90		3	J	3.3	J	48		130	
32EDC-5-11	0 to 0.5	5.3	U	5.3	U	5.3	U	5.3	U	0.68	J	0.75	J	5.3	U	5.3	U	0.41	J	1.1	J
32EDC-5-11	0.5 to 2	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	UJ	5.6	UJ
32EDC-5-11	2 to 4	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	UJ	5.7	UJ
32EDC-5-11	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	UJ	6.1	UJ
32EDC-5-12	0 to 0.5	5.3	U	5.3	U	5.3	U	5.3	U	2.2	J	2.5	J	5.3	U	5.3	U	5.3	U	2.9	J
32EDC-5-12	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U

Table C1-10
Noncarcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32EDC-5-12	2 to 4	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32EDC-5-12	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32EDC-5-13A	0 to 0.5	5.4	U	5.4	U	5.4	U	5.4	U	7.9		13		5.4	U	5.4	U	7.7		24	
32EDC-5-13A	0.5 to 2	6.5	U	6.5	U	6.5	U	6.5	U	2.9	J	6.7		6.5	U	6.5	U	3.6	J	12	
32EDC-5-13A	2 to 4	5.5	U	5.5	U	5.5	U	5.5	U	2	J	1.9	J	5.5	U	5.5	U	5.5	U	3.1	J
32EDC-5-13A	4 to 8	5.8	U	5.8	U	5.8	U	5.8	U	4.6	J	6.3		5.8	U	5.8	U	3.5	J	13	
32EDC-5-14	0 to 0.5	5.4	U	5.4	U	5.4	U	5.4	UJ	5.4	U	5.4	UJ	5.4	U	5.4	U	5.4	UJ	5.4	UJ
32EDC-5-14	0.5 to 2	5.5	U	5.5	U	5.5	U	5.5	UJ	5.5	U	5.5	UJ	5.5	U	5.5	U	5.5	UJ	5.5	UJ
32EDC-5-14	2 to 4	5.6	U	5.6	U	5.6	U	5.6	UJ	5.6	U	5.6	UJ	5.6	U	5.6	U	5.6	UJ	5.6	UJ
32EDC-5-14	4 to 8	6	U	6	U	6	U	6	UJ	6	U	6	UJ	6	U	6	U	6	UJ	6	UJ
32EDC-5-15	0 to 0.5	1.3	J	5.3	U	5.3	U	5.3	U	2.1	J	2.7	J	5.3	U	0.77	J	2.3	J	4.1	J
32EDC-5-15	0.5 to 2	5.1	U	5.1	U	5.1	U	5.1	U	1.9	J	1.5	J	5.1	U	5.1	U	0.47	J	2.4	J
32EDC-5-15	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	0.6	J	0.52	J	5.3	U	5.3	U	5.3	U	0.74	J
32EDC-5-15	4 to 8	6	U	6	U	6	U	6	U	4.3	J	4.2	J	6	U	0.37	J	1.2	J	10	
32EDC-5-16	0 to 0.5	1	J	10	U	10	U	1.3	J	15		12		10	U	0.72	J	8.2	J	15	
32EDC-5-16	0.5 to 2	0.69	J	11	U	11	U	11	U	6.9	J	3.6	J	11	U	11	U	1.1	J	5.7	J
32EDC-5-16	2 to 4	1	J	11	U	11	U	11	U	8.1	J	4.7	J	11	U	0.75	J	1.1	J	6.6	J
32EDC-5-16	4 to 8	5.8	U	5.8	U	5.8	U	0.48	J	11		10	J	5.8	U	0.53	J	1.8	J	14	J
32EDC-5-17	0 to 0.5	5.5	U	5.5	U	5.5	U	5.5	U	2.9	J	17		5.5	U	5.5	U	11		11	
32EDC-5-17	0.5 to 2	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32EDC-5-17	2 to 4	6	U	6	U	6	U	6	U	6	UJ	6	U	6	U	6	U	6	U	6	U
32EDC-5-17	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32EDC-5-18	0 to 0.5	5.2	U	5.2	U	5.2	U	5.2	U	1.4	J	1.6	J	5.2	U	5.2	U	5.2	U	5.2	U
32EDC-5-18	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-5-18	2 to 4	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32EDC-5-18	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32EDC-5-19	0 to 0.5	6.3	U	6.3	U	3	J	3.9	J	46		35		6.3	U	2.5	J	13		39	
32EDC-5-19	0.5 to 2	5.6	U	5.6	U	5.6	U	5.6	U	9.9		8.8		5.6	U	5.6	U	3.4	J	11	
32EDC-5-19	2 to 4	5.7	U	5.7	U	5.7	U	5.7	U	6.3		6.5		5.7	U	5.7	U	4.6	J	7.9	
32EDC-5-19	4 to 8	5.9	U	5.9	U	5.9	U	5.9	U	2.1	J	5.9	U	5.9	U	5.9	U	5.9	U	3.9	J
32EDC-5-20	0 to 0.5	5.1	U	5.1	U	3.2	J	4.9	J	29		35		5.1	U	5.1	U	10		37	
32EDC-5-20	0.5 to 2	5.2	U	5.2	U	1.8	J	2.6	J	34		27		5.2	U	5.2	U	9.6		37	
32EDC-5-20	2 to 4	5.3	U	1.4	J	8.8		11		81		110		2.8	J	3.2	J	54		130	
32EDC-5-20	4 to 8	5.9	U	5.9	U	5.9	U	5.9	U	19		18		5.9	U	5.9	U	6.1		24	
32EDC-5-21	0 to 0.5	5.3	U	5.3	U	5.3	U	5.3	UJ	5.3	U	5.3	UJ	5.3	U	5.3	U	5.3	UJ	5.3	UJ
32EDC-5-21	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	UJ	5.4	U	5.4	UJ	5.4	U	5.4	U	5.4	UJ	5.4	UJ
32EDC-5-21	2 to 4	5.7	U	5.7	U	5.7	U	5.7	UJ	5.7	U	5.7	UJ	5.7	U	5.7	U	5.7	UJ	5.7	UJ
32EDC-5-21	4 to 8	6.1	U	6.1	U	65		52	J	66		210	J	51		6.1	U	270	J	270	J
32EDC-5-22	0 to 0.5	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32EDC-5-22	0.5 to 2	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32EDC-5-22	2 to 4	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32EDC-5-22	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32EDC-5-23	0 to 0.5	5.3	U	5.3	U	5.3	U	5.3	U	4	J	1.2	J	5.3	U	0.46	J	0.49	J	1.5	J
32EDC-5-23	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	U	2.2	J	0.52	J	5.4	U	5.4	U	5.4	U	0.68	J
32EDC-5-23	2 to 4	5.6	U	5.6	U	5.6	U	5.6	U	2	J	2.8	J	5.6	U	5.6	U	0.86	J	3.4	J
32EDC-5-23	4 to 8	0.33	J	5.9	U	5.9	U	5.9	U	0.41	J	5.9	U	5.9	U	5.9	U	5.9	U	0.51	J

Table C1-10
Noncarcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32EDC-5-24	0 to 0.5	5.4	UJ	5.4	UJ	5.4	UJ	0.96	J	5.4	UJ	6.9	J	5.4	UJ	5.4	UJ	2.4	J	5.7	J
32EDC-5-24	0.5 to 2	5.4	UJ	5.4	UJ	5.4	UJ	5.4	UJ	5.4	UJ	0.6	J	5.4	UJ	5.4	UJ	5.4	UJ	0.65	J
32EDC-5-24	2 to 4	5.3	UJ	5.3	UJ	5.3	UJ	0.46	J	5.3	UJ	8.2	J	5.3	UJ	5.3	UJ	1.7	J	7.4	J
32EDC-5-24	4 to 8	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ
32EDC-5-25	0 to 0.5	5.1	U	1.9	J	3.3	J	4.9	J	99		87		1.4	J	4.1	J	31		130	
32EDC-5-25	0.5 to 2	6.8		5.7		5.3	U	3	J	25		26		5	J	14	J	16		38	
32EDC-5-25	2 to 4	5.6	U	1.6	J	2	J	2.8	J	42		65		5.6	U	2.8	J	16		86	
32EDC-5-25	4 to 8	5.8	U	5.8	U	2.8	J	4.4	J	81		72		5.8	U	5.1	J	22		110	
32EDC-5-26	0 to 0.5	5.3	U	5.3	U	5.3	U	5.3	U	1.6	J	0.95	J	5.3	U	5.3	U	0.75	J	1.1	J
32EDC-5-26	0.5 to 2	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
32EDC-5-26	2 to 4	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	0.37	J	5.9	U	5.9	U
32EDC-5-26	4 to 8	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U
32EDC-5-27	0 to 0.5	0.37	J	5.5	UJ	5.5	UJ	0.96	J	4	J	2.2	J	5.5	UJ	0.34	J	3.4	J	2.2	J
32EDC-5-27	0.5 to 2	0.37	J	5.4	UJ	5.4	UJ	5.4	UJ	5.4	UJ	5.4	UJ	5.4	UJ	5.4	UJ	5.4	UJ	5.4	UJ
32EDC-5-27	2 to 4	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	0.58	J	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	0.41	J
32EDC-5-27	4 to 8	6.5	U	6.5	U	6.5	U	6.5	U	3.6	J	3.3	J	6.5	U	0.59	J	0.44	J	5.1	J
32EDC-5-28	0 to 0.5	5.6	U	5.6	U	5.6	U	5.6	U	1.7	J	3	J	5.6	U	5.6	U	2.4	J	3.6	J
32EDC-5-28	0.5 to 2	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32EDC-5-28	2 to 4	5.7	U	5.7	U	5.7	U	5.7	U	1.7	J	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32EDC-5-28	4 to 8	6.2	U	6.2	U	6.2	U	6.2	U	3.7	J	2.9	J	6.2	U	6.2	U	6.2	U	4	J
32EDC-5-29	0 to 0.5	5.5	U	5.5	U	5.5	U	2.5	J	31		32		5.5	U	5.5	UJ	15		41	
32EDC-5-29	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	U	2.6	J	2.4	J	5.4	U	5.4	UJ	5.4	U	3.5	J
32EDC-5-29	2 to 4	5.6	U	5.6	U	5.6	U	5.6	U	6.1		7.7		5.6	U	5.6	UJ	6.6		11	
32EDC-5-29	4 to 8	5.4	U	5.4	U	5.4	U	5.4	U	10		10		5.4	U	5.4	UJ	3.4	J	15	
32EDC-5-30	0 to 0.5	5.5	U	5.5	U	5.5	U	5.5	U	35		37		5.5	U	5.5	UJ	12		53	
32EDC-5-30	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	U	37		35		5.4	U	5.4	UJ	6		55	
32EDC-5-30	2 to 4	5.6	U	5.6	U	5.6	U	5.6	U	2.7	J	2.6	J	5.6	U	5.6	UJ	5.6	U	3.9	J
32EDC-5-30	4 to 8	6.1	U	6.1	U	6.1	U	2.1	J	18		29		6.1	U	6.1	UJ	9		42	
32EDC-5-31	0 to 0.5	5.7	UJ	5.7	U	5.7	U	5.7	U	7.8	J	8.8	J	5.7	U	5.7	UJ	5.7	UJ	11	J
32EDC-5-31	0.5 to 2	6.6	UJ	6.6	U	6.6	U	6.6	U	4.2	J	4.3	J	6.6	U	6.6	UJ	6.6	UJ	5.9	J
32EDC-5-31	2 to 4	5.6	UJ	5.6	U	5.6	U	5.6	U	5.1	J	4	J	5.6	U	5.6	UJ	5.6	UJ	5.6	J
32EDC-5-31	4 to 8	5.9	UJ	5.9	U	5.9	U	5.9	U	12	J	13	J	5.9	U	5.9	UJ	5.9	UJ	16	J
32EDC-5-32	0 to 0.5	3.2	J	5.6	U	1.8	J	3.8	J	57		51		1.4	J	3.9	J	25		62	
32EDC-5-32	0.5 to 2	5.6	U	5.6	U	5.6	U	1.8	J	28		31		5.6	U	5.6	UJ	10		41	
32EDC-5-32	2 to 4	5.6	U	5.6	U	5.6	U	5.6	U	4	J	4	J	5.6	U	5.6	UJ	1.6	J	5.1	J
32EDC-5-32	4 to 8	5.9	U	2.5	J	7.8		10		130		180		1.9	J	10	J	33		320	
32EDC-5-33	0 to 0.5	5.7	UJ	2.2	J	9	J	8.2		160	J	180	J	5.7	U	5.7	UJ	26	J	230	J
32EDC-5-33	0.5 to 2	5.8	UJ	9.3		18	J	5.8	U	450	J	940	J	5.8	U	5.8	UJ	410	J	520	J
32EDC-5-33	2 to 4	5.9	UJ	5.9	U	5.9	U	60		350	J	670	J	5.9	U	5.9	UJ	330	J	960	J
32EDC-5-33	4 to 8	6.6	UJ	15		37	J	66		1000	J	1900	J	6.6	U	36	J	130	J	200	J
32EDC-5-34	0 to 0.5	7	J	5.3	UJ	5.3	UJ	1.7	J	31		30	J	2.4	J	3.2	J	19	J	33	J
32EDC-5-34	0.5 to 2	8.1	J	2	J	120	J	88	J	2400		4900	J	6.3	J	56	J	650	J	7000	J
32EDC-5-34	2 to 4	5.2	J	5.9	UJ	5.9	UJ	5.9	UJ	27		21	J	5.9	UJ	5.9	UJ	11	J	33	J
32EDC-5-34	4 to 8	6	UJ	6	UJ	1.7	J	2.1	J	47		61	J	6	UJ	6	UJ	19	J	89	J
32EDC-5-35	0 to 0.5	5.9	U	5.9	U	5.9	U	5.9	U	3.3	J	2	J	5.9	U	5.9	U	5.9	U	3.3	J
32EDC-5-35	0.5 to 2	5.7	U	5.7	U	5.7	U	5.7	U	2	J	5.7	U	5.7	U	5.7	U	5.7	U	2.1	J

Table C1-10
Noncarcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32EDC-5-35	2 to 4	6	U	6	U	6	U	6	U	2.9	J	6	U	6	U	6	U	6	U	2.8	J
32EDC-5-35	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32EDC-5-36	0 to 0.5	5.6	U	1.8	J	5.6	U	4.4	J	6		22		2.4	J	5.6	U	22		19	
32EDC-5-36	0.5 to 2	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U
32EDC-5-36	2 to 4	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
32EDC-5-36	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	4	J	2.7	J	6.1	U	6.1	U	6.1	U	4	J
32EDC-5-37	0 to 0.5	5.6	U	2.3	J	5.6	U	2	J	3.3	J	16		2.7	J	5.6	U	24		17	
32EDC-5-37	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	U	3.9	J	3.9	J	5.4	U	5.4	U	5.4	U	6.8	
32EDC-5-37	2 to 4	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
32EDC-5-37	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32EDC-5-38	0 to 0.5	0.61	J	5.5	U	5.5	U	1	J	7.6		4.2	J	5.5	U	0.36	J	1.7	J	5.1	J
32EDC-5-38	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	1.8	J	1.8	J	5.3	U	5.3	U	0.86	J	2.2	J
32EDC-5-38	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	0.65	J	0.96	J	5.3	U	5.3	U	5.3	U	1.2	J
32EDC-5-38	4 to 8	5.7	U	5.7	U	5.7	U	5.7	U	0.86	J	0.36	J	5.7	U	5.7	U	5.7	U	0.48	J
32EDC-5-39	0 to 0.5	0.46	J	5.3	U	5.3	U	5.3	U	4.8	J	3.9	J	5.3	U	5.3	U	2	J	5.9	
32EDC-5-39	0.5 to 2	5.2	U	5.2	U	5.2	U	5.2	U	10		8.4		5.2	U	0.48	J	1.5	J	13	
32EDC-5-39	2 to 4	0.8	J	5.2	U	9.8		2.5	J	180		230		5.2	U	3.1	J	5	J	360	
32EDC-5-39	4 to 8	11	U	11	U	11	U	11	U	2.2	J	11	U	11	U	11	U	11	UJ	0.76	J
32EDC-5-40	0 to 0.5	5.5	UJ	5.5	U	5.5	U	5.5	U	13	J	10	J	5.5	U	5.5	UJ	5.5	UJ	17	J
32EDC-5-40	0.5 to 2	5.4	UJ	5.4	U	2.1	J	1.7	J	57	J	35	J	5.4	U	5.4	UJ	5.4	UJ	71	J
32EDC-5-40	2 to 4	5.7	UJ	5.7	U	5.7	U	5.7	U	13	J	7.1	J	5.7	U	5.7	UJ	5.7	UJ	12	J
32EDC-5-40	4 to 8	5.8	UJ	5.8	U	5.8	U	2.2	J	39	J	45	J	5.8	U	5.8	UJ	5.8	UJ	59	J
32EDC-5-41	0 to 0.5	3.3	J	5.6	U	3.3	J	3.2	J	41		44		5.6	U	3.3	J	18		54	
32EDC-5-41	0.5 to 2	0.98	J	1	J	3.2	J	3.3	J	78		63		5.2	U	3.3	J	16		100	
32EDC-5-41	2 to 4	2.6	J	11		13		21		110		190		9.8		6.7		140		250	
32EDC-5-41	4 to 8	0.44	J	5.6	U	5.6	U	1.1	J	19		20		5.6	U	1.2	J	6.5		28	
32EDC-5-42	0 to 0.5	5.1	U	5.1	U	5.1	U	2.1	J	32		34		5.1	U	1.9	J	12		43	
32EDC-5-42	0.5 to 2	5.2	U	5.2	U	5.2	U	5.2	U	22		19		5.2	U	2.1	J	7.4		27	
32EDC-5-42	2 to 4	2.8	J	14		100		150		770		2100		52		26		1800		2600	
32EDC-5-42	4 to 8	6.2	U	6.2	U	6.2	U	6.2	U	15		11		6.2	U	6.2	U	2.3	J	22	
32EDC-5-43	0 to 0.5	1.7	J	1.5	J	8.3		7.6		120		120		2	J	4.4	J	38		200	
32EDC-5-43	0.5 to 2	4.7	J	52	U	44	J	130		180	J	760		29	J	6.8	J	590		1000	
32EDC-5-43	2 to 4	100	U	100	U	100	U	100	U	19	J	10	J	100	U	100	U	100	U	12	J
32EDC-5-43	4 to 8	1.1	J	1.5	J	3.4	J	14		53		140		1.9	J	4	J	30		150	
32EDC-5-44	0 to 0.5	10	J	27	U	27	U	2.1	J	28		9.9	J	27	U	3.6	J	19	J	17	J
32EDC-5-44	0.5 to 2	8.5	J	27	U	27	U	2.8	J	31		18	J	27	U	4.4	J	13	J	27	
32EDC-5-44	2 to 4	18	J	28	U	28	U	2.9	J	28	U	9.7	J	28	U	6.4	J	16	J	22	J
32EDC-5-44	4 to 8	14		1.8	J	31		22		140		110		3.1	J	16		88		250	
32EDC-5-45	0 to 0.5	5.7	U	5.7	U	5.7	U	5.7	U	2.1	J	3.7	J	5.7	U	5.7	U	1.8	J	4.5	J
32EDC-5-45	0.5 to 2	6.4	U	6.4	U	6.4	U	6.4	U	11		7.9		6.4	U	6.4	U	6.4	U	12	
32EDC-5-45	2 to 4	5.8	U	5.8	U	5.8	U	5.8	U	4.9	J	9.4		5.8	U	5.8	U	7.2		16	
32EDC-5-45	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32EDC-5-46	0 to 0.5	5.5	U	1.9	J	5.5	U	2.7	J	10		24		1.3	J	5.5	U	18		22	
32EDC-5-46	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	U	2.5	J	3	J	5.4	U	5.4	U	1.5	J	3.7	J
32EDC-5-46	2 to 4	5.6	U	5.6	U	5.6	U	5.6	U	2.2	J	2.1	J	5.6	U	5.6	U	5.6	U	2.9	J
32EDC-5-46	4 to 8	6.2	U	6.2	U	6.2	U	6.2	U	2.8	J	3	J	6.2	U	6.2	U	6.2	U	5.1	J

Table C1-10
Noncarcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32EDC-5-47	0 to 0.5	5.3	UJ	5.3	UJ	5.3	UJ	5.3	UJ	2.7	J	1	J	5.3	UJ	5.3	UJ	0.4	J	1.4	J
32EDC-5-47	0.5 to 2	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	4.8	J	2	J	5.6	UJ	5.6	UJ	0.56	J	4	J
32EDC-5-47	2 to 4	5.5	UJ	5.5	UJ	5.5	UJ	5.5	UJ	2.2	J	4.1	J	5.5	UJ	5.5	UJ	1.5	J	4.9	J
32EDC-5-47	4 to 8	5.9	UJ	5.9	UJ	5.9	UJ	5.9	UJ	0.74	J	0.59	J	5.9	UJ	5.9	UJ	5.9	UJ	0.81	J
32EDC-5-48	0 to 0.5	12		15		50		52		120		380		25		36		430		410	
32EDC-5-48	0.5 to 2	5.4	U	5.4	U	4.2	J	5.6		13		33		1.9	J	5.4	U	31		39	
32EDC-5-48	2 to 4	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
32EDC-5-48	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32EDC-5-49	0 to 0.5	0.33	J	5.1	U	2.4	J	2.4	J	18		38		5.1	U	0.68	J	13		47	
32EDC-5-49	0.5 to 2	0.31	J	5.2	U	3.7	J	2.8	J	24		44		5.2	U	0.78	J	15		57	
32EDC-5-49	2 to 4	0.5	J	5	J	14		15		85		200		2.5	J	2.1	J	71		240	
32EDC-5-49	4 to 8	2.7	J	54		140		200		640	J	1900		19		14	J	1000	J	2200	J
32EDC-5-50	0 to 0.5	18	J	5.3	UJ	5.3	UJ	5.3	UJ	7.4		4.1	J	2	J	44	J	9.6	J	7.2	J
32EDC-5-50	0.5 to 2	9.1	J	5.3	UJ	5.3	UJ	5.3	UJ	4.7	J	2.1	J	5.3	UJ	20	J	6.6	J	4.3	J
32EDC-5-50	2 to 4	8.6		5.4	U	5.4	U	5.4	U	22		8.7		5.4	U	23		7.4		18	
32EDC-5-50	4 to 8	5.9	UJ	2.3	J	5.2	J	6.5	J	62		91	J	5.9	UJ	3.6	J	34	J	110	J
32EDC-5-51	0 to 0.5	27	U	27	U	27	U	27	U	27	U	14	J	27	U	27	U	6.8	J	22	J
32EDC-5-51	0.5 to 2	57	U	57	U	57	U	57	U	64		28	J	57	U	57	U	57	U	57	
32EDC-5-51	2 to 4	5.6	U	5.6	U	1.1	J	1.3	J	26		27		5.6	U	0.96	J	11		47	
32EDC-5-51	4 to 8	5.9	U	5.9	U	4.6	J	8.6		35		55		1.9	J	2	J	34		73	
32EDC-5-52	0 to 0.5	5.4	UJ	5.4	U	5.4	U	1.4	J	15	J	16	J	5.4	U	5.4	UJ	5.4	UJ	21	J
32EDC-5-52	0.5 to 2	5.3	UJ	5.3	U	3.2	J	2.4	J	34	J	47	J	5.3	U	5.3	UJ	5.3	UJ	64	J
32EDC-5-52	2 to 4	5.4	UJ	5.4	U	5.4	U	5.4	U	19	J	17	J	5.4	U	5.4	UJ	5.4	UJ	24	J
32EDC-5-52	4 to 8	5.8	UJ	5.8	U	3.5	J	11		50	J	94	J	5.8	U	5.8	UJ	3.3	J	130	J
32EDC-5-53	0 to 0.5	1.9	J	5.3	U	1.2	J	1.5	J	23		23		5.3	U	1.7	J	12		27	
32EDC-5-53	0.5 to 2	1.4	J	7		2.9	J	3.8	J	33		65		1.9	J	5.1	J	51		76	
32EDC-5-53	2 to 4	2	J	3.6	J	23		30		130		320		9.4		5.7		160		410	
32EDC-5-53	4 to 8	1.8	J	2.1	J	6.9		7.6		120		120		1.9	J	6.7		38		160	
32EDC-5-54	0 to 0.5	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	0.7	J	1.5	J	5.6	UJ	5.6	UJ	1	J	1.4	J
32EDC-5-54	0.5 to 2	5.7	UJ	5.7	UJ	5.7	UJ	5.7	UJ	1.3	J	4.2	J	5.7	UJ	5.7	UJ	2.4	J	3.9	J
32EDC-5-54	2 to 4	6	UJ	6	UJ	6	UJ	6	UJ	0.41	J	0.52	J	6	UJ	6	UJ	0.54	J	0.53	J
32EDC-5-54	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	2.1	J
32EDC-5-55	0 to 0.5	0.7	J	1.3	J	4.8	J	10		53		47		1.8	J	1.5	J	32		59	
32EDC-5-55	0.5 to 2	5.3	U	5.3	U	5.3	U	0.52	J	4.1	J	5.8		5.3	U	5.3	U	2.7	J	7.6	
32EDC-5-55	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	1.6	J	0.72	J	5.3	U	5.3	U	5.3	U	1	J
32EDC-5-55	4 to 8	5.9	U	5.9	U	5.9	U	5.9	U	1.5	J	0.65	J	5.9	U	5.9	U	5.9	U	1.1	J
32EDC-5-56	0 to 0.5	5.3	U	5.3	U	5.3	U	1.4	J	11		25		5.3	U	5.3	U	8.5	J	26	
32EDC-5-56	0.5 to 2	5.3	U	5.3	U	5.3	U	1.2	J	17		27		5.3	U	5.3	U	5.1	J	35	
32EDC-5-56	2 to 4	5.4	U	5.4	U	5.4	U	0.9	J	7.2		12		5.4	U	5.4	U	4.8	J	13	
32EDC-5-56	4 to 8	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	UJ	5.8	U
32EDC-5-57	0 to 0.5	5.4	U	5.4	U	5.4	U	1.8	J	42		28		1.4	J	5.4	U	23		43	
32EDC-5-57	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	U	2.9	J	2.8	J	5.4	U	5.4	U	5.4	U	3.9	J
32EDC-5-57	2 to 4	5.5	U	5.5	U	5.5	U	5.5	U	8.4		4.3	J	5.5	U	5.5	U	3.7	J	6.7	
32EDC-5-57	4 to 8	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	2	J
32EDC-5-58	0 to 0.5	5.4	U	5.4	U	5.4	U	5.4	U	0.61	J	5.4	U	5.4	U	5.4	U	5.4	U	0.45	J
32EDC-5-58	0.5 to 2	5.2	U	5.2	U	5.2	U	5.2	U	2	J	0.93	J	5.2	U	5.2	U	5.2	U	1.6	J

Table C1-10
Noncarcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32EDC-5-58	2 to 4	31		5.6	U	5.6	U	0.46	J	5.8	J	1.3	J	3.1	J	31		9.9	J	3.3	J
32EDC-5-58	4 to 8	0.52	J	5.6	U	5.6	U	1	J	24	J	20	J	5.6	U	0.76	J	3.9	J	31	J
32EDC-5-59	0 to 0.5	0.32	J	5.1	U	5.1	U	0.76	J	5.9		11		5.1	U	0.36	J	5	J	14	
32EDC-5-59	0.5 to 2	5.1	U	5.1	U	5.1	U	0.53	J	2.4	J	6		5.1	U	0.33	J	5.1		7.4	
32EDC-5-59	2 to 4	5.2	U	5.2	U	5.2	U	5.2	U	3.3	J	4.6	J	5.2	U	5.2	UJ	2	J	6.1	
32EDC-5-59	4 to 8	5.5	U	5.5	U	5.5	U	5.5	U	1.4	J	3.1	J	5.5	U	5.5	UJ	0.92	J	3.8	J
32EDC-5-60	0 to 0.5	2.7	J	3	J	6.4	J	8.7	J	66		150	J	3.3	J	4.5	J	77	J	170	J
32EDC-5-60	0.5 to 2	3.1	J	6.4	J	16	J	23	J	120		270	J	4.5	J	11	J	140	J	370	J
32EDC-5-60	2 to 4	5.2	UJ	2.5	J	2.5	J	6.2	J	25		76	J	2	J	1.9	J	52	J	84	J
32EDC-5-60	4 to 8	5.9	UJ	5.1	J	5.4	J	11	J	84		120	J	3.8	J	6.5	J	61	J	150	J
32EDC-5-61	0 to 0.5	4	J	26	J	3.7	J	52	J	260		990	J	24	J	7.5	J	610	J	1000	J
32EDC-5-61	0.5 to 2	5.3	UJ	5.9	J	7.4	J	16	J	150		310	J	6.6	J	9	J	160	J	370	J
32EDC-5-61	2 to 4	4	J	18	J	5.9	J	38	J	240		690	J	19	J	14	J	410	J	710	J
32EDC-5-62	0 to 0.5	5.7	UJ	5.7	UJ	5.7	U	5.7	UJ	8.5		11		5.7	UJ	5.7	UJ	5.7	UJ	13	
32EDC-5-62	0.5 to 2	5.8	U	5.8	U	5.1	J	6.5		19		49		3.1	J	5.8	U	27		8.8	
32EDC-5-62	2 to 4	7.1	UJ	3.4	J	3.2	J	6.4	J	30		73		2.5	J	2.2	J	35	J	85	
32EDC-5-62	4 to 8	6.5	UJ	6.5	UJ	6.5	U	6.5	UJ	4.9	J	9		6.5	UJ	1.6	J	6.5	UJ	10	
32EDC-5-63	0 to 0.5	1.3	J	1.2	J	2.8	J	4.2	J	36	J	64		5.1	U	5.2		19		70	
32EDC-5-63	0.5 to 2	53	U	53	U	53	U	2.7	J	26	J	31		53	U	3.8	J	7	J	36	
32EDC-5-63	2 to 4	2.5	J	6.7		24		25		160		330		9.8		11		180		390	
32EDC-5-63	4 to 8	0.62	J	1.6	J	4.2	J	3.7	J	69		96		5.9	U	4.1	J	26		120	
32EDC-5-64	0 to 0.5	5.8	U	5.8	U	5.8	U	5.8	U	7.2		7.9		5.8	U	5.8	U	3.6	J	10	
32EDC-5-64	0.5 to 2	5.7	U	5.7	U	5.7	U	5.7	U	19		11		5.7	U	5.7	U	3.1	J	15	
32EDC-5-64	2 to 4	5.9	U	5.9	U	2.1	J	2	J	66		75		5.9	U	3.6	J	8.5		98	
32EDC-5-64	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	4	J	3.9	J	6.1	U	6.1	U	6.1	U	10	
32EDC-5-65	0 to 0.5	5.6	U	5.6	U	1.5	J	1.8	J	46		33		5.6	U	5.6	U	8.7		47	
32EDC-5-65	0.5 to 2	5.8	U	5.8	U	5.8	U	5.8	U	2	J	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32EDC-5-65	2 to 4	5.9	U	5.9	U	5.9	U	5.9	U	11		5.8	J	5.9	U	5.9	U	1.8	J	8.8	
32EDC-5-65	4 to 8	6.4	U	6.4	U	6.4	U	6.4	U	5.7	J	5.7	J	6.4	U	6.4	U	6.4	U	7.8	
32EDC-5-66	0 to 0.5	5.5	U	5.5	U	1.8	J	1.1	J	34		29		5.5	U	1.3	J	4.2	J	48	
32EDC-5-66	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	1.9	J	5.4	U	5.4	U	0.44	J	2.8	J
32EDC-5-66	2 to 4	5.4	U	5.4	U	5.4	U	2.1	J	4	J	18		5.4	U	5.4	U	9.6	J	20	
32EDC-5-66	4 to 8	6.2	U	6.2	U	6.2	U	6.2	U	4.2	J	4.2	J	6.2	U	0.39	J	1.1	J	9.5	
32EDC-5-67	0 to 0.5	5.6	U	5.6	U	5.6	U	5.6	U	20		17		5.6	U	5.6	U	5.2	J	24	
32EDC-5-67	0.5 to 2	5.7	U	5.7	U	5.7	U	5.7	U	13		14		5.7	U	5.7	U	5.3	J	21	
32EDC-5-67	2 to 4	6.1	U	6.1	U	6.1	U	6.1	U	6.4		3.8	J	6.1	U	6.1	U	6.1	U	7.3	
32EDC-5-67	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	1.9	J	6.1	U	6.1	U	6.1	U	6.1	U	4	J
32EDC-5-68	0 to 0.5	5.6	U	5.6	U	5.6	U	5.6	U	31		22		5.6	U	5.6	U	4.8	J	33	
32EDC-5-68	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	3.7	J	2.5	J	5.3	U	5.3	U	5.3	U	3.5	J
32EDC-5-68	2 to 4	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U
32EDC-5-68	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32EDC-5-69	0 to 0.5	5.4	U	5.4	U	5.4	U	5.4	U	6		4.1	J	5.4	UJ	5.4	U	2.3	J	5	J
32EDC-5-69	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	7		4.6	J	5.3	UJ	5.3	U	2.2	J	4.8	J
32EDC-5-69	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	2.9	J	1.9	J	5.3	UJ	5.3	U	2.5	J	2.7	J
32EDC-5-69	4 to 8	5.5	U	5.5	U	3.3	J	4.4	J	29		71		1.5	J	5.5	U	30	J	85	J
32EDC-5-70	0 to 0.5	0.67	J	10	UJ	10	UJ	1.1	J	43	J	22	J	10	UJ	0.72	J	7.3	J	26	J

Table C1-10
Noncarcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32EDC-5-70	0.5 to 2	5.4	U	5.4	U	5.4	U	0.5	J	12	J	12		5.4	U	0.48	J	3	J	17	
32EDC-5-70	2 to 4	11	UJ	11	UJ	11	UJ	11	UJ	11	J	6.6	J	11	UJ	11	UJ	2.5	J	8.8	J
32EDC-5-70	4 to 8	0.93	J	15		13		20		180		310		3.8	J	6		200		380	
32EDC-5-71	0 to 0.5	5.1	U	5.1	U	5.1	U	2.3	J	31		48		5.1	UJ	2.3	J	19	J	53	J
32EDC-5-71	0.5 to 2	4.2	J	39	J	63	J	210	J	620		1400	J	21	J	23	J	880	J	1900	J
32EDC-5-71	2 to 4	5.3	UJ	5.3	UJ	1.5	J	2.5	J	29		33	J	5.3	UJ	5.3	UJ	11	J	41	J
32EDC-5-71	4 to 8	5.9	UJ	5.9	UJ	5.9	UJ	5.9	UJ	4.2	J	5.4	J	5.9	UJ	5.9	UJ	2.6	J	12	J
32EDC-5-72	0 to 0.5	5.5	U	5.5	U	2	J	5.5	U	14	J	14	J	5.5	U	5.5	U	5.5	UJ	21	J
32EDC-5-72	0.5 to 2	2.4	J	7.4		6.5	J	7.5		28		96	J	4.9	J	2.6	J	45	J	150	J
32EDC-5-72	2 to 4	2.8	J	6.4	U	3	J	3.1	J	29		42	J	2.9	J	1.6	J	24	J	68	J
32EDC-5-72	4 to 8	5.9	U	4.9	J	4.7	J	13		24	J	100	J	2.1	J	1.8	J	55	J	17	J
32EDC-5-73	0 to 0.5	1	J	6.4		15	J	16		79		180	J	4.3	J	5.4	J	99	J	34	J
32EDC-5-73	0.5 to 2	5.5	U	5.5	U	5.5	UJ	5.5	U	3.8	J	10	J	5.5	U	5.5	U	4.4	J	13	J
32EDC-5-73	2 to 4	0.8	J	11		35	J	35		100	J	350	J	13		3.9	J	310	J	510	J
32EDC-5-73	4 to 8	52	J	62	J	900	J	880	J	2700	J	7700		640	J	100		7500		9700	
32EDC-5-74	0 to 0.5	4.6	J	8.5		34	J	22		170	J	300	J	8.7		9.6		110	J	480	J
32EDC-5-74	0.5 to 2	4.5	J	11		40	J	18		85	J	230	J	12		11		280	J	40	J
32EDC-5-74	2 to 4	4.8	J	5.8	U	3.5	J	3.5	J	25	J	39	J	2.1	J	3.1	J	5.8	UJ	63	J
32EDC-5-75	0 to 0.5	6.3		6	U	2.5	J	1.4	J	21		31		6	U	5.1	J	16		33	
32EDC-5-75	0.5 to 2	1.3	J	6	U	6	U	6	U	3.9	J	3.7	J	6	U	1.1	J	1.9	J	4.7	J
32EDC-5-75	2 to 4	0.96	J	2.5	J	21		19		110		220		5.1	J	3.2	J	110		270	
32EDC-5-75	4 to 8	0.57	J	6	U	6	U	6	U	3.2	J	6.1		6	U	0.77	J	2.5	J	6.9	
32EDC-5-76	0 to 0.5	5.4	U	5.4	U	5.4	U	5.4	U	1.6	J	1.6	J	5.4	U	5.4	U	5.4	U	2.2	J
32EDC-5-76	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	U	3.3	J	4.6	J	5.4	U	5.4	U	5.4	U	6.3	
32EDC-5-76	2 to 4	5.4	U	5.4	U	5.4	U	5.4	U	2.3	J	5.7		5.4	U	5.4	U	2.8	J	5.8	
32EDC-5-76	4 to 8	5.7	U	2.6	J	4.2	J	11		90		150		1.7	J	8.9		56		190	
32EDC-5-77	0 to 0.5	5.3	U	5.3	U	5.3	U	5.3	U	7		1.5	J	5.3	U	0.49	J	1.6	J	2.5	J
32EDC-5-77	0.5 to 2	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	2.2	J	5.7	U	5.7	U	0.77	J	3	J
32EDC-5-77	2 to 4	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	UJ	5.4	U
32EDC-5-77	4 to 8	5.7	U	5.7	U	5.7	U	1.2	J	5.7	U	5.2	J	5.7	U	5.7	U	4.5	J	9.3	
32EDC-5-78	0 to 0.5	5.4	U	5.4	U	5.4	U	5.4	U	7.5		5.9		5.4	U	5.4	U	3.5	J	6	
32EDC-5-78	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	U	5.5		4.9	J	5.4	U	5.4	U	5.4	U	6.7	
32EDC-5-78	2 to 4	5.4	U	5.4	U	5.4	U	5.4	U	1.6	J	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-5-78	4 to 8	6.2	U	1.7	J	6.2	U	6.2	U	20		10		6.2	U	4.8	J	3.9	J	26	
32EDC-5-79	0 to 0.5	0.4	J	5.7	U	1.1	J	0.67	J	26		14		5.7	U	0.54	J	2.9	J	20	
32EDC-5-79	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	3.2	J	1.9	J	5.3	U	5.3	U	0.59	J	2.9	J
32EDC-5-79	2 to 4	5.6	U	5.6	U	5.6	U	5.6	U	2.3	J	1.3	J	5.6	U	5.6	U	0.42	J	1.9	J
32EDC-5-79	4 to 8	0.86	J	6.5	U	2.1	J	1.4	J	48		42		6.5	U	1.9	J	3.5	J	65	
32EDC-5-80	0 to 0.5	5.4	U	5.4	U	5.4	U	5.4	U	7.6		7.5		5.4	U	5.4	U	1.5	J	9.9	
32EDC-5-80	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	3.5	J	4.7	J	5.3	U	5.3	U	1.8	J	5.9	
32EDC-5-80	2 to 4	5.4	U	5.4	U	5.4	U	5.4	U	3	J	2.3	J	5.4	U	5.4	U	5.4	U	3.1	J
32EDC-5-80	4 to 8	6	U	6	U	6	U	6	U	2.5	J	2.1	J	6	U	6	U	6	U	4.1	J
32EDC-5-81	0 to 0.5	5.1	U	5.1	U	5.1	U	5.1	U	18		17		5.1	U	5.1	U	8.6		20	
32EDC-5-81	0.5 to 2	6.5	U	6.5	U	6.5	U	6.5	U	21		6.5	U	6.5	U	6.5	U	6.5	U	2.3	J
32EDC-5-81	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	13		11		5.3	U	5.3	U	4.1	J	15	
32EDC-5-81	4 to 8	5.8	U	5.8	U	5.8	U	5.8	U	16		18		5.8	U	5.8	U	4.1	J	29	

Table C1-10
Noncarcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32EDC-5-82	0 to 0.5	5.3	U	5.3	U	5.3	U	5.3	U	1.6	J	5.3	U	5.3	U	5.3	U	5.3	U	1.9	J
32EDC-5-82	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	1.8	J
32EDC-5-82	2 to 4	5.4	U	5.4	U	5.4	U	2.7	J	31		36		5.4	U	5.4	U	9.9		44	
32EDC-5-82	4 to 8	5.7	U	5.7	U	2	J	2.9	J	32		34		5.7	U	5.7	U	9.4		50	
32EDC-5-83	0 to 0.5	5.2	U	5.2	U	5.2	U	0.71	J	10		14		5.2	U	0.51	J	4.4	J	14	J
32EDC-5-83	0.5 to 2	5.2	U	5.2	U	5.2	U	1.4	J	4.8	J	2	J	5.2	U	5.2	U	1.1	J	3.1	J
32EDC-5-83	2 to 4	5.2	U	5.2	U	5.2	U	5.2	U	2	J	1.2	J	5.2	U	5.2	U	0.51	J	1.7	J
32EDC-5-83	4 to 8	5.5	U	5.5	U	1.1	J	0.93	J	4.2	J	11		5.5	U	5.5	U	5.7		14	J
32EDC-5-84	0 to 0.5	5.6	U	2.8	J	4.6	J	10		180		170		2.2	J	9.1		48		220	
32EDC-5-84	0.5 to 2	5.5	U	5.5	U	2.7	J	3.8	J	120		92		5.5	U	6.1		20		140	
32EDC-5-84	2 to 4	5.6	U	5.6	U	5.6	U	5.6	U	15		12		5.6	U	5.6	U	3.2	J	18	
32EDC-5-84	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32EDC-5-85	0 to 0.5	2.4	J	6.6	J	19	J	17	J	130		260		4.6	J	8.4	J	130		350	J
32EDC-5-85	0.5 to 2	3.6	J	19	J	40	J	49	J	250		540	J	11	J	15	J	260		640	J
32EDC-5-85	2 to 4	3.5	J	11	J	50	J	51	J	250		590	J	8	J	15	J	210		700	J
32EDC-5-85	4 to 8	56	UJ	56	UJ					90		28	J	56	UJ	56	UJ	18	J	33	J
32EDC-5-86	0 to 0.5	5.2	UJ	5.2	UJ	1.8	J	5.2	UJ	13		5.2	U	5.2	UJ	0.8	J	5.2	UJ	18	
32EDC-5-86	0.5 to 2	5.6	J	32	J	68		92	J	440		710		23	J	22	J	700	J	980	
32EDC-5-86	2 to 4	2	J	9.2	J	16		25	J	130		230		7.8	J	8.6	J	130	J	300	
32EDC-5-86	4 to 8	24	J	93	J	300		480	J	1200		2800		160	J	85	J	2400	J	3300	
32EDC-5-87	0 to 0.5	3.1	J	4.4	J	20		33		230		380		9.8		11		190		510	
32EDC-5-87	0.5 to 2	6.2	U	6.6		25		42		250		460		12		11		230		600	
32EDC-5-87	2 to 4	5.7	U	2.6	J	9.8		14		94		150		4.4	J	7.5		77		210	
32EDC-5-87	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	2.4	J	1.9	J	6.1	U	6.1	U	2	J	2.4	J
32EDC-5-88	0 to 0.5	1.9	J	1.9	J	8.6	J	11	J	86	J	140		3.2	J	3.1	J	63		170	
32EDC-5-88	0.5 to 2	4.8	J	15	J	72	J	79	J	610	J	1100	J	27	J	20	J	630	J	1300	J
32EDC-5-88	2 to 4	5.8	UJ	5.8	UJ	2.4	J	2.7	J	14	J	30		5.8	UJ	0.84	J	18		38	
32EDC-5-88	4 to 8	6.1	UJ	6.1	UJ			0.51	J	2.1	J	5.5	J	6.1	UJ	6.1	UJ	5.5	J	6.6	
32EDC-5-89	0 to 0.5	5.5	U	5.5	U	5.5	U	1.7	J	24		24		5.5	U	5.5	U	8.6		34	
32EDC-5-89	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	U	13		13		5.4	U	5.4	U	3.8	J	19	
32EDC-5-89	2 to 4	5.6	U	5.6	U	2.1	J	3.3	J	28		34		5.6	U	5.6	U	18		46	
32EDC-5-89	4 to 8	35		150		250		510		1100		3900		250		60		4000		4600	
32EDC-5-90	0 to 0.5	5.6	UJ	5.6	U	2.2	J	1.7	J	16	J	17	J	5.6	U	5.6	UJ	6.9	J	26	J
32EDC-5-90	0.5 to 2	5.4	UJ	5.4	U	6.5		5.2	J	29	J	61	J	5.4	U	5.4	UJ	29	J	89	J
32EDC-5-90	2 to 4	6.4	UJ	6.4	U	4.7	J	2.4	J	34	J	17	J	6.4	U	6.4	UJ	5.2	J	33	J
32EDC-5-90	4 to 8	6.2	UJ	6.2	U	2.8	J	1.9	J	25	J	23	J	6.2	U	6.2	UJ	7.8	J	49	J
32EDC-5-91	0 to 0.5	5.7	UJ	1.7	J	2.7	J	1.4	J	32		8.4		5.7	UJ	1.5	J	5.7	UJ	15	
32EDC-5-91	0.5 to 2	27	UJ	27	UJ	27	U	27	UJ	47		27	U	27	UJ	27	UJ	27	UJ	27	U
32EDC-5-91	2 to 4	5.4	UJ	5.4	UJ	3.8	J	5.4	UJ	13		3.3	J	5.4	UJ	0.9	J	5.4	UJ	6.1	
32EDC-5-91	4 to 8	6.1	UJ	6.1	UJ	6.1	U	1.7	J	17		17		6.1	UJ	1	J	6.1	UJ	41	
32EDC-5-92	0 to 0.5	3.4	J	8.2		47		31		700		1300		8.2		17		240		1500	
32EDC-5-92	0.5 to 2	5.7	U	5.7	U	5.7	U	1.7	J	7.5		3.4	J	5.7	U	5.7	U	5.7	U	5.5	J
32EDC-5-92	2 to 4	5.1	U	5.1	U	2.5	J	5	J	17		20		2.4	J	0.8	J	24		28	
32EDC-5-92	4 to 8	5.2	U	5.2	U	5.2	U	4.5	J	16		2.5	J	5.2	U	5.2	U	1.8	J	4.2	J
32EDC-5-93	0 to 0.5	1.3	J	5.2	U	2.4	J	5.1	J	23	J	44	J	1.9	J	1.5	J	34	J	51	J
32EDC-5-93	0.5 to 2	0.85	J	0.98	J	5.1	J	6.1	J	110	J	83	J	2.4	J	4.4	J	41	J	110	J

Table C1-10
Noncarcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32EDC-5-93	2 to 4	2.1	J	3.8	J	4	J	14		44	J	96		5.1	J	2.6	J	46		98	J
32EDC-5-93	4 to 8	0.43	J	5.6	U	1.6	J	1.9	J	32		28	J	5.6	U	1.8	J	9.6	J	63	J
32EDC-5-94	0 to 0.5	5.4	U	2	J	5.4	U	5.7		24		55		1.9	J	5.4	U	31		57	
32EDC-5-94	0.5 to 2	5.5	U	5.5	U	5.5	U	5.5	U	18		14		5.5	U	2.6	J	5.8		19	
32EDC-5-94	2 to 4	13		5.7	U	2.3	J	3.3	J	40		47		5.7	U	180		48		59	
32EDC-5-94	4 to 8	5.7	U	5.7	U	5.7	U	5.7	U	13		15		5.7	U	5.7	U	5.3	J	19	
32EDC-5-95	0 to 0.5	5.5	U	1.7	J	3.8	J	4.1	J	50		91		5.5	U	2.3	J	27		120	
32EDC-5-95	0.5 to 2	5.8	U	5.8	U	5.8	U	5.8	U	21		23		5.8	U	5.8	U	6.6		25	
32EDC-5-95	2 to 4	5.6	U	5.6	U	1.7	J	2	J	25		36		5.6	U	1.3	J	14		37	
32EDC-5-95	4 to 8	6.4	U	6.4	U	3.6	J	3.1	J	55		61		6.4	U	2.9	J	21		82	
32EDC-5-96	0 to 0.5	3.2	J	9.3		69		45		280		1100		6.5		20		300		1400	
32EDC-5-96	0.5 to 2	130		260		4100	J	4300	J	24000		58000	J	1200	J	460	J	29000	J	72000	J
32EDC-5-96	2 to 4	3.9	J	12	J	77		89		330		1300		26	J	18	J	510		1600	
32EDC-5-96	4 to 8	12	J	20	J	210		180		480		1800		60	J	92	J	1100		2200	
32EDC-5-97	0 to 0.5	1	J	3	J	13		10		63		140		3.8	J	5.5	U	71		180	
32EDC-5-97	0.5 to 2	0.8	J	3.3	J	16		17		100		240		5.2	J	5.4	U	110		280	
32EDC-5-97	2 to 4	3.9	J	3.7	J	18		20		140		320		5.9		9.2		95		360	
32EDC-5-97	4 to 8	5.6	J	32		54		120		460		920		40		20		520		1300	
32EDC-5-98	0 to 0.5	1.3	J	3.9	J	36	J	31	J	210	J	570	J	9.2	J	5.5		180	J	720	J
32EDC-5-98	0.5 to 2	1.5	J	5	J	24	J	27	J	140	J	390	J	8.2	J	4.8	J	170	J	480	J
32EDC-5-98	2 to 4	0.79	J	2.3	J	17	J	17	J	99	J	220	J	4.5	J	2.9	J	110	J	290	J
32EDC-5-98	4 to 8	0.65	J	1.2	J	6	UJ	1.7	J	7.7	J	15	J	1.3	J	0.58	J	14	J	15	J
32EDC-5-99	0 to 0.5	0.9	J	8.2		7.5		6.2		40		100		4.1	J	2.4	J	100		130	
32EDC-5-99	0.5 to 2	5.7	U	5.7	U	2	J	1.4	J	13		24		5.7	U	5.7	U	16		31	
32EDC-5-99	2 to 4	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32EDC-5-99	4 to 8	5.9	U	5.9	U	5.9	U	5.9	U	1.7	J	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32EDC-5-100	0 to 0.5	12		5.5	U	14		11		110		68		1.8	J	10		29		110	
32EDC-5-100	0.5 to 2	2.2	J	5.4	U	2.3	J	1.6	J	17		8.5		5.4	U	1.8	J	3.9	J	14	
32EDC-5-100	2 to 4	1.7	J	5.8	U	1.6	J	1.4	J	16		11		5.8	U	1.7	J	3.7	J	16	
32EDC-5-100	4 to 8	0.46	J	6.4	U	1.4	J	0.62	J	19		6.5		6.4	U	1.2	J	1.9	J	24	
32EDC-5-101	0 to 0.5	5.5	UJ	9.4		76		45	J	660	J	820	J	5.5	U	5.5	UJ	230	J	1100	J
32EDC-5-101	0.5 to 2	5.5	UJ	5.5	U	3.8	J	2.2	J	52	J	34	J	5.5	U	5.5	UJ	10	J	62	J
32EDC-5-101	2 to 4	5.6	UJ	2.4	J	9.9		33	J	120	J	100	J	5.6	U	5.6	UJ	53	J	140	J
32EDC-5-101	4 to 8	5.7	U	5.7	U	5.1	J	3.2	J	69		54		5.7	U	2.2	J	17		73	
32EDC-5-102	0 to 0.5	0.67	J	5.2	UJ	1.3	J	1.1	J	13	J	21	J	5.2	UJ	0.66	J	9.3	J	27	J
32EDC-5-102	0.5 to 2	0.6	J	5.2	UJ	1.1	J	2.3	J	7.6	J	16	J	5.2	UJ	0.65	J	10	J	18	J
32EDC-5-102	2 to 4	33	J	5.2	UJ	1.7	J	3.3	J	26	J	32	J	3.8	J	14	J	46	J	37	J
32EDC-5-102	4 to 8	4.2	J	5.5	UJ	2.9	J	4.2	J	43	J	24	J	1.5	J	4.5	J	13	J	32	J
32EDC-5-103	0 to 0.5	3.6	J	5.6	U	1.1	J	2.2	J	18		38		1.7	J	2.7	J	17		47	
32EDC-5-103	0.5 to 2	6.8	J	15	J	6.4		45	J	270		930		1.6	J	8.6	J	210		960	
32EDC-5-103	2 to 4	0.88	J	5.5	U	1.8	J	2	J	27		35		5.5	U	2.1	J	8.6		44	
32EDC-5-103	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	1.4	J	1.1	J	6.1	U	0.4	J	0.44	J	3.6	J
32EDC-5-104	0 to 0.5	5.3	U	5.3	U	5.3	U	2.6	J	12		14		5.3	U	5.3	U	6.9		19	
32EDC-5-104	0.5 to 2	5.3	U	3	J	3	J	6		120		92		5.3	U	6		23		100	
32EDC-5-104	2 to 4	5.5	U	5.5	U	4.5	J	6.8		78		60		5.5	U	5.3	J	22		74	
32EDC-5-104	4 to 8	6.1	U	3.3	J	6.4		5.3	J	81		42		1.4	J	7		10		210	

Table C1-10
Noncarcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32EDC-5-105	0 to 0.5	5.6	U	5.6	U	5.6	U	5.6	U	20		17		5.6	U	5.6	U	3	J	22	
32EDC-5-105	0.5 to 2	5.6	U	1.8	J	5.6	U	11		24		74		2.2	J	5.6	U	47		80	
32EDC-5-105	2 to 4	5.5	U	5.5	U	1.7	J	3.6	J	61		26		5.5	U	2.2	J	7.7		75	
32EDC-5-105	4 to 8	5.9	U	5.7	J	21		29		300		450		6.3		10		150		530	
32EDC-5-106	0 to 0.5	0.39	J	5.1	UJ	1.3	J	0.68	J	14		12		5.1	UJ	0.58	J	4.3	J	16	J
32EDC-5-106	0.5 to 2	0.36	J	5.1	U	3.1	J	5.2		27		60		1.5	J	0.87	J	37		75	J
32EDC-5-106	2 to 4	0.74	J	5.4	U	1.5	J	0.9	J	19		26		5.4	U	1.3	J	7.6		39	J
32EDC-5-106	4 to 8	5.9	UJ	5.9	U	5.9	U	5.9	U	2.3	J	0.52	J	5.9	U	5.9	UJ	5.9	U	0.95	J
32EDC-5-107	0 to 0.5	6.2	U	6.2	U	6.2	U	6.2	U	11		12		6.2	U	6.2	U	7.7		19	
32EDC-5-107	0.5 to 2	6.1	U	6.1	U	6.1	U	3.2	J	19		38		6.1	U	3.2	J	28		49	
32EDC-5-107	2 to 4	6.7	U	6.7	U	2.1	J	2.2	J	44		48		6.7	U	3.3	J	21		80	
32EDC-5-107	4 to 8	6.2	U	6.2	U	1.7	J	2	J	21	J	25	J	6.2	U	6.2	U	12	J	35	J
32EDC-5-108	0 to 0.5	5.4	U	5.4	U	5.4	U	5.4	U	1.5	J	5.4	U	5.4	U	5.4	U	5.4	U	2	J
32EDC-5-108	0.5 to 2	5.9	U	5.9	U	2.4	J	2.2	J	19		29		5.9	U	5.9	U	8.9		42	
32EDC-5-108	2 to 4	1300		2900		3000		7200		5300		24000		3500		2200		32000		29000	
32EDC-5-108	4 to 8	11		43		340		830		2000		5300		110		51		2400		7500	
32EDC-5-109	0 to 0.5	5.4	U	5.4	U	5.4	U	5.4	U	2.4	J	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-5-109	0.5 to 2	5.5	U	5.5	U	5.5	U	5.5	U	14		17		5.5	U	5.5	U	7.3		24	
32EDC-5-109	2 to 4	0.8	J	5.6	U	5.6	U	5.6	U	9.2		5.6	U	5.6	U	5.6	U	2.4	J	8.9	
32EDC-5-109	4 to 8	5.8	U	5.8	U	5.8	U	5.8	U	2.5	J	2.3	J	5.8	U	5.8	U	5.8	U	3.2	J
32EDC-5-110	0 to 0.5	5.4	U	5.4	U	2.1	J	4.5	J	21		28		2.5	J	2.2	J	20		30	
32EDC-5-110	0.5 to 2	5.5	U	5.5	U	5.5	U	5.5	U	4.6	J	2.6	J	5.5	U	5.5	U	5.5	U	3.7	J
32EDC-5-110	2 to 4	5.7	U	5.7	U	3.1	J	2.7	J	40		18		5.7	U	7.8		6.3		26	
32EDC-5-110	4 to 8	6.2	U	6.2	U	4	J	5.6	J	77		59		2	J	7.3		14		120	
32EDC-5-111	0 to 0.5	5.1	U	5.1	U	5.1	U	5.1	U	7.4		5.5		5.1	U	5.1	U	1.5	J	7.3	
32EDC-5-111	0.5 to 2	5.2	U	5.2	U	1.9	J	1.7	J	29		35		5.2	U	1.3	J	5.6		45	
32EDC-5-111	2 to 4	0.7		5.3	U	1.9	J	2.1	J	39		26		5.3	U	1.7	J	4.7	J	47	
32EDC-5-111	4 to 8	5.7	U	5.7	U	5.7	U	1.5	J	15		10		5.7	U	5.7	U	3.3	J	33	
32EDC-5-112	0 to 0.5	5.3	U	5.3	U	5.3	U	5.3	U	16		11		5.3	U	5.3	U	3.4	J	15	
32EDC-5-112	0.5 to 2	5.4	U	5.4	U	1.7	J	2.3	J	42		69		5.4	U	5.4	U	11		87	
32EDC-5-112	2 to 4	3.5	J	5.4	U	5.4	U	5.4	U	15		13		5.4	U	3.3	J	5	J	21	
32EDC-5-112	4 to 8	6	U	6	U	2.4	J	4.1	J	41		31		1.8	J	3.5	J	16		130	
32EDC-5-113	0 to 0.5	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U
32EDC-5-113	0.5 to 2	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	2.2	J
32EDC-5-113	2 to 4	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	3.4	J	5.8	U	5.8	U	1.8	J	5.2	J
32EDC-5-113	4 to 8	2.9	J	6.2	U	6.2	U	6.2	U	11		5.6	J	6.2	U	1.9	J	4.2	J	27	
32EDC-5-114	0 to 0.5	0.64	J	5.3	UJ	2	J	0.79	J	39		8.6		5.3	UJ	0.69	J	3.2	J	11	J
32EDC-5-114	0.5 to 2	5.5	UJ	5.5	UJ	5.5	UJ	5.5	U	25		1.2	J	5.5	UJ	5.5	UJ	0.47	J	1.6	J
32EDC-5-114	2 to 4	0.5	J	5.3	UJ	1.4	J	0.51	J	24		3.1	J	5.3	UJ	0.63	J	1.7	J	4.9	J
32EDC-5-114	4 to 8	1.3	J	2	J	8.5	J	7.8		81		120		2.2	J	5.6	J	47		170	J
32EDC-5-115	0 to 0.5	5.4	U	5.4	U	5.4	U	5.4	U	29		8.2		5.4	U	5.4	U	3.4	J	14	
32EDC-5-115	0.5 to 2	5.6	U	5.6	U	5.6	U	5.6	U	7.1		3.2	J	5.6	U	5.6	U	5.6	U	4.7	J
32EDC-5-116	0 to 0.5	9.5		5.3	U	2.4	J	3.3	J	37		49	J	1.3	J	9.3		19	J	56	J
32EDC-5-116	0.5 to 2	5.4	U	5.4	U	1.1	J	0.95	J	16		23	J	5.4	U	0.75	J	5.8	J	26	J
32EDC-5-116	2 to 4	0.31	J	5.2	U	5.2	U	0.79	J	9.3		14	J	5.2	U	0.6	J	4.9	J	17	J
32EDC-5-116	4 to 8	0.37	J	5.8	U	1.8	J	1.1	J	20		23	J	5.8	U	1.3	J	5.4	J	32	J

Table C1-10
Noncarcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32EDC-5-117	0 to 0.5	0.69	J	5.5	U	2	J	1.9	J	29	J	34	J	5.5	UJ	0.89	J	13	J	40	J
32EDC-5-117	0.5 to 2	0.46	J	5.4	U	1.6	J	1.2	J	28	J	27	J	5.4	UJ	0.85	J	7.1	J	32	J
32EDC-5-117	2 to 4	0.5	J	0.99	J	3.5	J	4.1	J	67	J	120	J	5.4	UJ	1.6	J	24	J	140	J
32EDC-5-117	4 to 8	2.2	J	3.1	J	24	J	22	J	160	J	350	J	8.1	J	9.7		180	J	430	J
32EDC-5-118	0 to 0.5	3.4	J	2.4	J	14	J	11	J	340	J	240	J	2.7	J	11	J	78	J	290	J
32EDC-5-118	0.5 to 2	0.82	J	8.1		27	J	30	J	160	J	740	J	4.3	J	6.2		280	J	850	J
32EDC-5-118	2 to 4	0.41	J	5.7	U	1.7	J	0.77	J	14	J	12	J	5.7	UJ	0.58	J	3.9	J	16	J
32EDC-5-118	4 to 8	2.7	J	5.8	U	5.8	UJ	5.8	UJ	0.71	J	1.4	J	5.8	UJ	6.1		1.8	J	2.3	J
32EDC-5-119	0 to 0.5	5.4	U	5.4	U	5.4	U	5.4	U	45		24		5.4	U	2.5	J	6.1		39	
32EDC-5-119	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	U	23		17		5.4	U	5.4	U	4.9	J	28	
32EDC-5-119	2 to 4	5.4	U	5.4	U	5.4	U	5.4	U	1.7	J	2.5	J	5.4	U	5.4	U	5.4	U	3.2	J
32EDC-5-119	4 to 8	6.1	U	6.1	U	2.9	J	3.9	J	26		27		6.1	U	3.3	J	8		64	
32EDC-5-120	0 to 0.5	8.1	J	5.3		15		28		320		480		3.6	J	20	J	86		550	
32EDC-5-120	0.5 to 2	1.7	J	3	J	3.8	J	9.6	J	100		150	J	1.7	J	5.6	J	35	J	170	J
32EDC-5-120	2 to 4	53	J	900		560	U	2300		5900		23000		420	J	130	J	6400		21000	
32EDC-5-120	4 to 8	3.3	J	7.4		11		25		210		400		5.1	J	12		79		460	
32EDC-5-121	0 to 0.5	0.88	J	5.3	J	5.5	U	11		48		140		2.2	J	1	J	43		160	
32EDC-5-121	0.5 to 2	0.33	J	5.5	UJ	5.5	UJ	5.5	U	4.3	J	2.5	J	5.5	UJ	0.38	J	0.8	J	5.7	
32EDC-5-121	2 to 4	0.58	J	5.6	U	5.6	U	5.6	U	9.2		7.9		5.6	U	0.47	J	2.2	J	11	
32EDC-5-121	4 to 8	0.35	J	5.8	U	5.8	U	5.8	U	5.9		4.3	J	5.8	U	0.74	J	1.1	J	12	
32EDC-5-122	0 to 0.5	0.67	J	5.1	U	2.1	J	2.8	J	21		9		5.1	U	0.55	J	3.6	J	12	
32EDC-5-122	0.5 to 2	2.9	J	11	U	20		15		150		260		3.5	J	13		66		300	
32EDC-5-122	2 to 4	5	J	6	J	27	U	26	J	190		550		27	U	4.3	J	130		530	
32EDC-5-122	4 to 8	6.2	U	6.2	U	6.2	U	0.64	J	5.4	J	9.3		6.2	U	0.69	J	2.2	J	14	
32EDC-5-123	0 to 0.5	5.1	J	1.8	J	4.2	J	7.5		41		74		2.5	J	11		37		80	
32EDC-5-123	0.5 to 2	5.5	U	5.5	U	5.5	U	5.5	U	4.5	J	13		5.5	U	5.5	U	10		13	
32EDC-5-123	2 to 4	5.4	U	5.4	U	5.7		7.1		70		50		2.1	J	6.2		30		87	
32EDC-5-123	4 to 8	17		6	U	8.8		8.6		140		38		5.3	J	17		27		310	
32EDC-5-124	0 to 0.5	1.1	J	5.2	U	11		3.7	J	140		79		1.2	J	6.4		17		95	
32EDC-5-124	0.5 to 2	0.7	J	5.2	U	6.9		3	J	59		36		5.2	U	3.3	J	9.5		41	
32EDC-5-124	2 to 4	2.3	J	5.3	U	4.9	J	4.8	J	46		46		5.3	U	3.6	J	17		58	
32EDC-5-124	4 to 8	3	J	16		28		23		490		590		8.7		18		210		660	
32EDC-5-125	0 to 0.5	2	J	4	J	10		11		230		210		2.9	J	5.5	U	64		260	
32EDC-5-125	0.5 to 2	4.1	J	5.3	U	5.3	U	5.3	U	15		13		5.3	U	5.3	U	8.8		15	
32EDC-5-125	2 to 4	6.1		11		80		65		440		1100		28		5.1	U	680		1400	
32EDC-5-125	4 to 8	3.7	J	6.5		57		26		360		530		14		5.7	U	250		700	
32EDC-5-126	0 to 0.5	4.4	J	11		3.7	J	52		380		810		8.4		12		260		890	
32EDC-5-126	0.5 to 2	3.8	J	8.8		3.1	J	41		230		540		7.1		7.3		210		600	
32EDC-5-126	2 to 4	8.3		23		3.3	J	96		570		1300		15		17		490		1300	
32EDC-5-126	4 to 8	5.8	U	7.6		1.8	J	28		230		430		4.2	J	4.7	J	140		470	
32EDC-5-127	0 to 0.5	2.9	J	8.1		2.5	J	71		490		1000		7		4.8	J	300		860	
32EDC-5-127	0.5 to 2	3.3	J	11		2.8	J	120		630		1500		12		4.3	J	540		1300	
32EDC-5-127	2 to 4	5.3	U	4.2	J	5.3	U	25		200		400		3.2	J	2.1	J	120		350	
32EDC-5-127	4 to 8	5.8	U	5.8	U	1.5	J	2	J	28		27		5.8	U	5.8	U	7.6		37	
32EDC-5-128	0 to 0.5	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-5-128	0.5 to 2	5.8	U	2.1	J	1.7	J	8		34		92		3.2	J	5.8	U	53		94	

Table C1-10
Noncarcinogenic PAH Soil Sampling Results
for EDC-5
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32EDC-5-128	2 to 4	5.7	U	4.9	J	6.1		24		65		270		7.4		2.1	J	170		270	
32EDC-5-128	4 to 8	5.9	U	5.9	U	2	J	3.5	J	16		27		1.7	J	3.9	J	13		41	
32EDC-5-129	0 to 0.5	5.6	U	2	J	3.3	J	3.8	J	13		51		1.8	J	5.6	U	31		83	
32EDC-5-129	0.5 to 2	5.6	U	5.6	U	5.6	U	1.7	J	6.4		13		5.6	U	5.6	U	7.3		16	
32EDC-5-129	2 to 4	1.1	J	5.7	U	2.7	J	3.5	J	19	J	21		5.7	U	1.3	J	10		42	
32EDC-5-129	4 to 8	5.7	U	5.7	U	3.9	J	2.3	J	26	J	31		1.4	J	5.7	U	22		64	
32EDC-5-130	0 to 0.5	53	U	53	U	53	U	53	U	53		53	U	53	U	53	U	16	J	31	J
32EDC-5-130	0.5 to 2	5.4	U	1.7	J	8.3		4.8	J	22		49		4.5	J	5.4	U	57		81	
32EDC-5-130	2 to 4	5.8	U	8.7		19		17		62	J	150		8.9		5.8	U	150		230	
32EDC-5-130	4 to 8	5.8	U	5.8	U	5.8	U	5.8	U	12		9.6		5.8	U	5.8	U	2.7	J	33	
32EDC-5-131	0 to 0.5	2.3	J	5.6	U	2.5	J	2.2	J	16		11		5.6	U	4.2	J	4.3	J	30	
32EDC-5-131	0.5 to 2	0.53	J	5.8	U	5.8	U	0.87	J	15		5.7	J	5.8	U	1.1	J	2.2	J	30	
32EDC-5-131	2 to 4	2.7	J	5.8	U	7.3		3.2	J	87		23		1.6	J	10		7.7		140	
32EDC-5-131	4 to 8	2.6	J	1.5	J	6.6		9.5		130		87		3.4	J	10		17		420	
32EDC-5-132	0 to 0.5	6.5	J	14	J	4.7	J	57		540	J	950	J	12	J	11	J	320	J	970	J
32EDC-5-132	0.5 to 2	6.2	J	5.4	J	5.8	J	45		180	J	430	J	7.5	J	11	J	130	J	480	J
32EDC-5-132	2 to 4	1.2	J	2.4	J	1.3	J	6.2	J	50	J	87	J	5.5	UJ	1.5	J	24	J	110	J
32EDC-5-132	4 to 8	0.78	J	6	UJ	6	UJ	0.69	J	3.6	J	3.5	J	6	UJ	0.76	J	1.8	J	9.9	J
32EDC-5-133	0 to 0.5	5.3	U	5.3	U	5.3	U	5.3	U	2.6	J	1.7	J	5.3	U	5.3	U	2	J	2.9	J
32EDC-5-133	0.5 to 2	5.2	U	5.2	U	5.2	U	5.2	U	23		28		5.2	U	5.2	U	5.5		29	
32EDC-5-133	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	2.4	J	1.8	J	5.3	U	5.3	U	5.3	U	2.9	J
32EDC-5-133	4 to 8	5.9	U	5.9	U	2.6	J	4.7	J	44		58		1.4	J	2.2	J	33		76	
32EDC-5-134	0 to 0.5	1.3	J	6.4	U	4.2	J	3.4	J	73		31		6.4	U	4.6	J	10		70	
32EDC-5-134	0.5 to 2	0.9	J	1.5	J	2.3	J	4.4	J	41		51		5.5	U	2.2	J	18		80	
32EDC-5-134	2 to 4	2.8	J	8.7		4.3	J	13		110		130		2.7	J	8.7		44		200	
32EDC-5-134	4 to 8	4.1	J	31	J	5.9	UJ	70	J	250	J	630	J	12	J	4.8	J	280		750	J
32EDC-5-135	0 to 0.5	3.6	J	12		2.5	J	84		530		1200		5.8		5.6		310		1200	
32EDC-5-135	0.5 to 2	11		5	J	53		97		480		800		40		22		670		930	
32EDC-5-135	2 to 4	5.5	U	1.9	J	2.1	J	9.6		96		120		1.8	J	3.7	J	49		130	
32EDC-5-135	4 to 8	5.9	U	5.9	U	2.3	J	2.9	J	140		110		5.9	U	6.3		19		200	
32EDC-5-136	0 to 0.5	2.9	J	5.1	U	7.3		23		91		320	J	3.9	J	4.3	J	110	J	380	J
32EDC-5-136	0.5 to 2	8.7		1.5	J	29		33		120		340	J	13		15		220	J	430	J
32EDC-5-136	2 to 4	0.69	J	5.2	U	2.8	J	2.4	J	30		26	J	5.2	U	2.3	J	9.3	J	31	J
32EDC-5-136	4 to 8	0.73	J	1.2	J	4.3	J	4.8	J	96		110	J	5.9	U	3.9	J	26	J	130	J

Acronyms/Abbreviations:
bgs – below ground surface
PAH – polynuclear aromatic hydrocarbon

Data Qualifiers:
U – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit
J – indicates an estimated value
UJ – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit; the reporting limit, in this case, is an estimated value

Table C1-11
Noncarcinogenic PAH Soil Sampling Results
for EDC-12
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32EDC-12-1	0 to 0.5	2	J	5.5	UJ	5.5	UJ	0.65	J	8.1	J	3.4	J	5.5	UJ	2.7	J	3.8	J	3.7	J
32EDC-12-1	0.5 to 2	0.63	J	5.3	U	5.3	U	0.45	J	2.8	J	3.2	J	5.3	U	0.58	J	2.1	J	4	J
32EDC-12-1	2 to 4	5.3	U	5.3	U	5.3	U	5.3	UJ	0.42	J	5.3	U	5.3	U	5.3	U	0.55	J	5.3	U
32EDC-12-1	4 to 8	5.4	U	5.4	U	5.4	U	5.4	UJ	5.4	U	5.4	UJ	5.4	U	5.4	U	5.4	UJ	5.4	UJ
32EDC-12-2	0 to 0.5	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	1.7	J	5.6	U	5.6	U	1.6	J	1.7	J
32EDC-12-2	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-2	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-2	4 to 8	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32EDC-12-3	0 to 0.5	110	U	110	U	110	U	110	U	48	J	110	U	110	U	110	U	110	U	110	U
32EDC-12-3	0.5 to 2	0.58	J	5.3	U	5.3	U	5.3	U	5.8		1.7	J	5.3	U	0.44	J	2.6	J	2.2	J
32EDC-12-3	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	2.9	J	0.58	J	5.3	U	5.3	U	1.4	J	1.3	J
32EDC-12-3	4 to 8	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-12-4	0 to 0.5	5.4	U	5.4	U	5.4	U	5.4	U	73		4.1	J	5.4	U	5.4	U	3.5	J	11	J
32EDC-12-4	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	8.3		5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-4	2 to 4	5.3	U	2.6	J	5.3	U	3.9	J	6.9		27		1.4	J	5.3	U	19		28	
32EDC-12-4	4 to 8	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
32EDC-12-5	0 to 0.5	5.6	U	5.6	U	5.6	U	5.6	U	6.3		3.3	J	5.6	U	5.6	U	5.6	U	5.9	
32EDC-12-5	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	1.6	J	5.3	U	5.3	U	5.3	U	5.3	U	2.8	J
32EDC-12-5	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-5	4 to 8	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-12-5	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-5	4 to 8	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-12-6	0 to 0.5	0.82	J	5.4	U	5.4	U	5.4	UJ	4.9	J	2.6	J	5.4	U	0.58	J	1.5	J	3.3	J
32EDC-12-6	0.5 to 2	2.5	J	5.4	U	5.4	U	1.2	J	12		12		5.4	U	1.7	J	6.9		14	
32EDC-12-6	2 to 4	1.8	J	5.3	UJ	5.3	UJ	0.66	J	6.4		5.3	J	5.3	UJ	0.96	J	4.3	J	6.4	J
32EDC-12-6	4 to 8	15	J	2.2	J	1.6	J	7.4	J	25	J	40	J	29	J	12	J	59	J	54	J
32EDC-12-7	0 to 0.5	5.2	U	5.2	U	5.2	U	5.2	U	64		1.5	J	5.2	U	5.2	U	1.5	J	6	J
32EDC-12-7	0.5 to 2	5.2	U	5.2	U	5.2	U	5.2	U	8.6		11		5.2	U	5.2	U	7.8		13	
32EDC-12-7	2 to 4	5.4	U	5.4	U	5.4	U	5.4	U	33	J	2.8	J	5.4	U	5.4	U	2.1	J	7.1	J
32EDC-12-7	4 to 8	5.6	U	5.6	U	5.6	U	5.6	U	4.1	J	3.8	J	5.6	U	5.6	U	5.6	U	4.7	J
32EDC-12-8	0 to 0.5	100	U	100	U	100	U	100	U	67	J	23	J	100	U	100	U	350		94	J
32EDC-12-8	0.5 to 2	0.38	J	5.3	U	5.3	U	1.3	J	7.3		6.1		5.3	U	0.68	J	21		12	
32EDC-12-8	2 to 4	0.77	J	5.2	U	5.2	U	1.2	J	4.8	J	3.3	J	5.2	U	0.48	J	19		7	
32EDC-12-8	4 to 8	5.3	U	5.3	U	5.3	U	5.3	U	1.2	J	1.8	J	5.3	U	5.3	U	0.61	J	2.7	J
32EDC-12-9	0 to 0.5	5.6	U	5.6	U	5.6	U	5.6	UJ	1.2	J	1.2	J	5.6	U	5.6	U	0.63	J	1.5	J
32EDC-12-9	0.5 to 2	5.2	U	5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ	5.2	U	5.2	UJ	5.2	U	5.2	U	5.2	U
32EDC-12-9	2 to 4	0.3	J	5.3	UJ	5.3	UJ	5.3	UJ	0.39	J	0.31	J	5.3	UJ	5.3	UJ	0.48	J	0.4	J
32EDC-12-9	4 to 8	5.8	U	5.8	UJ	5.8	UJ	5.8	UJ	1.1	J	0.69	J	5.8	UJ	5.8	U	5.8	UJ	1.1	J
32EDC-12-10	0 to 0.5	0.67	J	5.7	U	1.5	J	1.1	J	18	J	11	J	5.7	U	1	J	3.5	J	16	J
32EDC-12-10	0.5 to 2	5.7	UJ	1.6	J	3.6	J	4.3	J	25	J	41	J	5.7	U	5.7	UJ	13	J	53	J
32EDC-12-10	2 to 4	5.6	UJ	2.6	J	13		22	J	65	J	160	J	5.6	U	5.6	UJ	130	J	230	J
32EDC-12-10	4 to 8	5.7	UJ	5.7	U	5.7	U	5.7	UJ	2.5	J	3.3	J	5.7	U	5.7	UJ	2.1	J	4.9	J
32EDC-12-11	0 to 0.5	5.5	UJ	5.5	UJ	5.5	UJ	5.5	UJ	1.3	J	2	J	5.5	UJ	5.5	UJ	1.3	J	2	J
32EDC-12-11	0.5 to 2	5.4	UJ	5.4	UJ	5.4	UJ	5.4	UJ	0.48	J	0.55	J	5.4	UJ	5.4	UJ	0.47	J	0.68	J
32EDC-12-11	2 to 4	5.3	UJ	5.3	UJ	5.3	UJ	5.3	UJ	0.36	J	0.4	J	5.3	UJ	5.3	UJ	0.42	J	0.46	J

Table C1-11
Noncarcinogenic PAH Soil Sampling Results
for EDC-12
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32EDC-12-11	4 to 8	5.5	UJ	5.5	UJ	5.5	UJ	5.5	UJ	5.5	UJ	0.62	J	5.5	UJ	5.5	UJ	0.57	J	0.71	J
32EDC-12-12	0 to 0.5	100	U	100	U	100	U	100	U	56	J	100	U	100	U	100	U	100	UJ	39	J
32EDC-12-12	0.5 to 2	5.2	U	5.2	U	5.2	U	5.2	U	2.7	J	5.2	U	5.2	U	5.2	U	5.2	UJ	1.3	J
32EDC-12-12	2 to 4	26	U	26	U	26	U	26	U	6.7	J	26	U	26	U	26	U	26	UJ	4.4	J
32EDC-12-12	4 to 8	5.3	U	5.3	U	5.3	U	5.3	U	0.85	J	0.72	J	5.3	U	5.3	U	5.3	UJ	1	J
32EDC-12-13	0 to 0.5	5.3	U	5.3	U	5.3	U	5.3	U	5.7		1.6	J	5.3	U	5.3	U	5.3	U	2.1	J
32EDC-12-13	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	1.5	J	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-13	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-13	4 to 8	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
32EDC-12-14	0 to 0.5	5.7	U	5.7	U	5.7	U	5.7	U	6.2		4	J	5.7	U	5.7	U	5.7	U	5.5	J
32EDC-12-14	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-14	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-14	4 to 8	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32EDC-12-15	0 to 0.5	5.4	U	5.4	U	5.4	UJ	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-12-15	0.5 to 2	5.4	U	5.4	U	5.4	UJ	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32EDC-12-15	2 to 4	5.3	U	5.3	U	5.3	UJ	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-15	4 to 8	5.9	U	5.9	U	5.9	UJ	5.9	U	1.5	J	2	J	5.9	U	5.9	U	5.9	U	2.5	J
32EDC-12-16	0 to 0.5	5.3	U	5.3	U	5.3	U	0.7	J	9.8		6.2		5.3	U	1.6	J	3.7	J	8.3	
32EDC-12-16	0.5 to 2	5.3	U	5.3	U	5.3	U	0.68	J	8.5		5.6		5.3	U	0.68	J	4.3	J	10	
32EDC-12-16	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	5.7		4.2	J	5.3	U	0.44	J	1.3	J	5.7	
32EDC-12-16	4 to 8	5.9	U	5.9	U	5.9	U	5.9	U	4.5	J	5.5	J	5.9	U	5.9	U	1.3	J	7.7	
32EDC-12-18	0 to 0.5	5.2	UJ	2	J	8.2		12	J	64	J	70	J	5.2	U	5.2	UJ	20	J	90	J
32EDC-12-18	0.5 to 2	5.2	UJ	2.5	J	6.3		15	J	46	J	140	J	5.2	U	5.2	UJ	52	J	140	J
32EDC-12-18	2 to 4	5.2	UJ	5.2	U	4.3	J	7.1	J	20	J	37	J	5.2	U	5.2	UJ	21	J	45	J
32EDC-12-18	4 to 8	6.2	UJ	6.2	U	6.2	U	6.2	UJ	7.6	J	5.3	J	6.2	U	6.2	UJ	6.2	UJ	8.3	J
32EDC-12-19	0 to 0.5	5.6	U	5.6	U	1.5	J	4	J	32		33		5.6	U	5.6	U	12		37	
32EDC-12-19	0.5 to 2	5.5	U	5.5	U	5.5	U	5.5	U	2.8	J	2.6	J	5.5	U	5.5	U	5.5	U	3	J
32EDC-12-19	2 to 4	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	1.7	J
32EDC-12-19	4 to 8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32EDC-12-20	0 to 0.5	5.2	U	5.2	U	5.2	U	5.2	U	41	J	5.2	U	5.2	U	5.2	U	5.2	U	3.2	J
32EDC-12-20	0.5 to 2	5.2	U	5.2	U	5.2	U	5.2	U	5.2	J	5.2	U	5.2	U	5.2	U	5.2	U	2	J
32EDC-12-20	2 to 4	5.2	U	5.2	U	5.2	U	5.2	U	9.3		5.2	U	5.2	U	5.2	U	1.7	J	2.3	J
32EDC-12-20	4 to 8	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32EDC-12-21	0 to 0.5	5.4	U	5.4	U	5.4	U	2	J	6.5		11		5.4	U	0.59	J	6.2	J	14	J
32EDC-12-21	0.5 to 2	5.5	U	5.5	U	5.5	U	5.5	U	5.6		3.7	J	5.5	U	0.45	J	1.4	J	5.2	J
32EDC-12-21	2 to 4	5.4	U	5.4	U	5.4	U	5.4	U	3	J	1.9	J	5.4	U	0.38	J	0.69	J	2.4	J
32EDC-12-21	4 to 8	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	0.48	J
32EDC-12-22	0 to 0.5	0.33	J	5.6	U	5.6	U	5.6	UJ	7.1		0.95	J	5.6	U	0.48	J	1.1	J	1.7	J
32EDC-12-22	0.5 to 2	0.39	J	5.4	U	5.4	U	5.4	UJ	8.4	J	1.9	J	5.4	U	0.43	J	0.88	J	2.9	J
32EDC-12-22	2 to 4	5.4	U	5.4	U	5.4	U	0.42	J	6.7		3.7	J	5.4	U	0.37	J	1.9	J	4.8	J
32EDC-12-22	4 to 8	5.6	U	5.6	U	5.6	U	5.6	UJ	1.9	J	1.5	J	5.6	U	5.6	U	0.47	J	1.9	J
32EDC-12-23	0 to 0.5	5.4	U	5.4	U	5.4	U	0.59	J	4.6	J	7.5		5.4	U	0.49	J	2.8	J	8.2	
32EDC-12-23	0.5 to 2	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	0.83	J	5.2	U	5.2	U	0.45	J	1.1	J

Table C1-11
Noncarcinogenic PAH Soil Sampling Results
for EDC-12
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	Depth (feet bgs)	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32EDC-12-23	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	2.5	J	5.3	U	5.3	U	0.73	J	4.8	J
32EDC-12-23	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	UJ	6	U
32EDC-12-24	0 to 0.5	6.3	U	6.3	U	6.3	U	6.3	U	4	J	6.6		6.3	U	6.3	U	3.4	J	10	
32EDC-12-24	0.5 to 2	5.5	U	5.5	U	5.5	U	5.5	U	2.6	J	3.5	J	5.5	U	5.5	U	1.8	J	4.5	J
32EDC-12-24	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	2.5	J	2.5	J	5.3	U	5.3	U	5.3	U	3.4	J
32EDC-12-24	4 to 8	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	2.7	J
32EDC-12-25	0 to 0.5	5.7	U	5.7	U	5.7	UJ	5.7	U	6.4		8.8		5.7	U	5.7	U	4	J	11	
32EDC-12-25	0.5 to 2	5.8	U	5.8	U	4.3	J	14		33		64		2.2	J	5.8	U	41		79	
32EDC-12-25	2 to 4	7.2	U	7.2	U	7.2	UJ	2.6	J	9.7		18		1.8	J	7.2	U	4	J	43	
32EDC-12-25	4 to 8	5.8	U	5.8	U	5.8	UJ	2.2	J	9.2		16		5.8	U	5.8	U	6.5		21	
32EDC-12-26	0 to 0.5	27	U	27	U	27	U	27	U	31		27	U	27	U	27	U	27	U	27	U
32EDC-12-26	0.5 to 2	27	U	27	U	27	U	27	U	15	J	27	U	27	U	27	U	27	U	27	U
32EDC-12-26	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	3.9	J	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-26	4 to 8	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
32EDC-12-27	0 to 0.5	5.3	U	5.3	U	5.3	U	5.3	U	3.8	J	1.9	J	5.3	U	5.3	U	5.3	U	3.3	J
32EDC-12-27	0.5 to 2	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U
32EDC-12-27	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-27	4 to 8	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32EDC-12-28	0 to 0.5	5.4	UJ	5.4	UJ	5.4	UJ	5.4	UJ	2	J	4	J	5.4	UJ	0.35	J	2.9	J	4.7	J
32EDC-12-28	0.5 to 2	5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ	0.31	J	5.2	UJ	5.2	UJ	0.47	J	5.2	UJ
32EDC-12-28	2 to 4	5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ
32EDC-12-28	4 to 8	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	0.57	J	0.61	J	5.6	UJ	5.6	UJ	0.48	J	0.69	J
32EDC-12-29	0 to 0.5	5.5	J	28	U	21	J	36		44		560		16	J	28	U	110		500	
32EDC-12-29	0.5 to 2	5.4	U	1.7	J	5.4	U	2.9	J	5.4		31		5.4	U	5.4	U	5.4	U	34	
32EDC-12-29	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	1.8	J	5.3	U	5.3	U	5.3	U	2	J
32EDC-12-29	4 to 8	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32EDC-12-30	0 to 0.5	13		11		5.3	U	10		82		42		5.3	U	5.3	U	590		150	
32EDC-12-30	0.5 to 2	5.1	U	5.1	U	5.1	U	5.1	U	1.7	J	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U
32EDC-12-30	2 to 4	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
32EDC-12-30	4 to 8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32EDC-12-31	0 to 0.5	5.2	U	5.2	U	5.2	U	5.2	U	5.2	UJ	0.6	J	5.2	U	5.2	U	0.39	J	0.84	J
32EDC-12-31	0.5 to 2	5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ	4.8	J	5.2	UJ	5.2	UJ	5.2	UJ	0.45	J	5.2	UJ
32EDC-12-31	2 to 4	0.39	J	5.2	UJ	5.2	UJ	5.2	UJ	2	J	0.97	J	5.2	UJ	5.2	UJ	0.73	J	1.3	J
32EDC-12-31	4 to 8	6	UJ	6	UJ	6	UJ	6	UJ	0.72	J	0.87	J	6	UJ	6	UJ	0.56	J	0.86	J
32EDC-12-32	0 to 0.5	5.7	U	5.7	U	2	J	2.4	J	67		8.5		5.7	U	5.7	U	6.9		20	
32EDC-12-32	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	1.8	J	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32EDC-12-32	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	5.4		4	J	5.3	U	5.3	U	5.3	U	5.6	
32EDC-12-32	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32EDC-12-33	0 to 0.5	1	J	5.4	U	2.6	J	3.3	J	64	J	38	J	5.4	U	2.5	J	13	J	53	J
32EDC-12-33	0.5 to 2	1.7	J	4.6	J	2	J	20	J	38	J	110	J	4.8	J	1.5	J	56	J	99	J
32EDC-12-33	2 to 4	0.87	J	5.3	UJ	5.3	UJ	1.5	J	14	J	18	J	5.3	UJ	0.96	J	6	J	30	J
32EDC-12-33	4 to 8	0.49	J	6	U	6	U	6	UJ	5.9	J	0.48	J	6	U	0.93	J	0.45	J	3.7	J
32EDC-12-34	0 to 0.5	5.4	U	5.4	U	5.4	U	5.4	U	18		8.2		5.4	U	5.4	U	3.7	J	12	

Table C1-11
Noncarcinogenic PAH Soil Sampling Results
for EDC-12
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32EDC-12-34	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	U	3.7	J	4.2	J	5.4	U	5.4	U	3.2	J	4.2	J
32EDC-12-34	2 to 4	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	2.8	J	5.4	U	5.4	U	3.8	J	3.7	J
32EDC-12-34	4 to 8	530		180		5.6	U	97		46		510		420		200		930		490	

Acronyms/Abbreviations:
bgs – below ground surface
PAH – polynuclear aromatic hydrocarbon

Data Qualifiers:
U – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit
J – indicates an estimated value
UJ – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit; the reporting limit, in this case, is an estimated value

Table C1-12
Noncarcinogenic PAH Soil Sampling Results
for EDC-17
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32EDC-17-1	0 to 0.5	5.2	U	5.2	U	5.2	U	5.2	U	61	J	4.8	J	5.2	U	5.2	U	2.3	J	5.1	J
32EDC-17-1	0.5 to 2	6.2	U	6.2	U	6.2	U	6.2	U	12	J	6.9	J	6.2	U	6.2	U	2.9	J	6.7	
32EDC-17-1	2 to 4	6	U	6	U	6	U	6	U	4.6	J	2.2	J	6	U	6	U	6	UJ	6	U
32EDC-17-1	4 to 8	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	UJ	5.8	U	5.8	U	5.8	UJ	5.8	U
32EDC-17-2	0 to 0.5	5.2	U	5.2	U	5.2	U	5.2	U	30	J	2.5	J	5.2	U	5.2	U	5.2	UJ	3.6	J
32EDC-17-2	0.5 to 2	5.2	U	5.2	U	5.2	U	5.2	U	5.9	J	5.5	J	5.2	U	5.2	U	2.4	J	6.6	J
32EDC-17-2	2 to 4	6.3	U	6.3	U	6.3	U	6.3	U	6.6	J	2.8	J	6.3	U	6.3	U	2	J	3.9	J
32EDC-17-2	4 to 8	5.6	U	5.6	U	5.6	U	5.6	U	5.6	UJ	5.6	UJ	5.6	U	5.6	U	5.6	UJ	5.6	UJ
32EDC-17-3	0 to 0.5	5.2	U	5.2	U	5.2	U	5.2	U	25	J	7.1	J	5.2	U	5.2	U	2.8	J	10	J
32EDC-17-3	0.5 to 2	6.2	U	6.2	U	6.2	U	6.2	U	13	J	4.1	J	6.2	U	6.2	U	1.8	J	5.2	J
32EDC-17-3	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	1.8	J	5.3	UJ	5.3	U	5.3	U	5.3	UJ	5.3	UJ
32EDC-17-3	4 to 8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	UJ	5.9	UJ	5.9	U	5.9	U	5.9	UJ	5.9	UJ
32EDC-17-4	0 to 0.5	26	UJ	26	UJ	26	UJ	3.6	J	22	J	20	J	26	UJ	26	UJ	9.8	J	24	J
32EDC-17-4	0.5 to 2	5.1	U	5.1	U	5.1	U	5.1	U	2.4	J	5.1	U	5.1	U	0.4	J	5.1	U	5.1	U
32EDC-17-4	2 to 4	0.4	J	5.3	U	5.3	U	5.3	U	1.1	J	0.32	J	5.3	U	0.45	J	5.3	U	0.53	J
32EDC-17-4	4 to 8	5.8	U	5.8	U	5.8	U	5.8	U	0.82	J	0.35	J	5.8	U	5.8	U	5.8	U	0.59	J
32EDC-17-5	0 to 0.5	3.5	J	26	UJ	26	UJ	2.1	J	27	J	11	J	26	UJ	2.4	J	6.4	J	13	J
32EDC-17-5	0.5 to 2	26	UJ	26	UJ	26	UJ	3.6	J	15	J	6.5	J	26	UJ	26	UJ	3.1	J	6	J
32EDC-17-5	2 to 4	26	UJ	26	UJ	26	UJ	3.7	J	24	J	8.1	J	26	UJ	26	UJ	3.1	J	10	J
32EDC-17-5	4 to 8	0.43	J	5.7	U	5.7	U	5.7	U	1.9	J	0.72	J	5.7	U	0.38	J	0.39	J	1	J
32EDC-17-6	0 to 0.5	5.1	U	5.1	U	5.1	U	5.1	U	0.58	J	0.36	J	5.1	U	5.1	U	5.1	U	0.67	J
32EDC-17-6	0.5 to 2	0.61	J	5.2	U	5.2	U	5.2	U	0.97	J	0.37	J	5.2	U	5.2	U	0.74	J	0.67	J
32EDC-17-6	2 to 4	0.4	J	5.3	U	5.3	U	5.3	U	1	J	0.45	J	5.3	U	5.3	U	0.65	J	0.55	J
32EDC-17-6	4 to 8	7	U	7	U	7	U	7	U	2.1	J	1.2	J	7	U	0.47	J	0.67	J	2.1	J
32EDC-17-7	0 to 0.5	5.3	U	1.4	J	10		45		230	J	620	J	6		6.9		220	J	740	J
32EDC-17-7	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	11	J	9.4	J	5.3	U	5.3	U	4.2	J	13	J
32EDC-17-7	2 to 4	5.2	U	5.2	U	5.2	U	5.2	U	5.2	UJ	5.2	UJ	5.2	U	5.2	U	5.2	UJ	5.2	UJ
32EDC-17-7	4 to 8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	UJ	5.9	UJ	5.9	U	5.9	U	5.9	UJ	5.9	UJ
32EDC-17-8	0 to 0.5	5.1	U	5.1	U	5.1	U	5.1	U	2.1	J	2.8	J	5.1	U	0.32	J	1.3	J	3.5	J
32EDC-17-8	0.5 to 2	5.2	U	5.2	U	5.2	U	5.2	U	0.6	J	0.47	J	5.2	U	5.2	U	5.2	U	0.82	J
32EDC-17-8	2 to 4	1.1	J	5.4	U	5.4	U	5.4	U	6.2		2.4	J	5.4	U	0.48	J	3.7	J	4.8	J
32EDC-17-8	4 to 8	5.6	U	5.6	U	5.6	U	5.6	U	1.6	J	1.6	J	5.6	U	5.6	U	0.8	J	2.6	J
32EDC-17-9	0 to 0.5	110		38		5.4	U	70		120		220		340		12		2300		490	
32EDC-17-9	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.4		2.3	J
32EDC-17-9	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	14		6.1		2.6	J	5.3	U	26		17	
32EDC-17-9	4 to 8	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	2.4	J	2.3	J

Acronyms/Abbreviations:
bgs – below ground surface
PAH – polynuclear aromatic hydrocarbon

Data Qualifiers:
U – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit
J – indicates an estimated value
UJ – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit; the reporting limit, in this case, is an estimated value

Table C1-13
Noncarcinogenic PAH Soil Sampling Results
for EDC-21
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32EDC-21-1	0 to 0.5	85		33		9.1		48		98	J	280	J	36		25		320	J	250	
32EDC-21-1	0.5 to 2	11		5.3	J	1.7	J	8.9		38	J	58	J	5.9		4.1	J	59	J	67	
32EDC-21-1	2 to 4	12		4.2	J	4.3	J	8.9		49	J	58	J	5.3	J	5.3	J	43	J	69	
32EDC-21-1	4 to 8	5.2	U	5.2	U	1.4	J	2.2	J	19	J	23	J	5.2	U	5.2	U	9.4	J	30	
32EDC-21-2	0 to 0.5	12	J	5.4	UJ	5.8		6.9	J	83	J	27		1.9	J	11	J	25	J	41	
32EDC-21-2	0.5 to 2	2.6	J	3.7	J	5.9		12	J	47	J	73		4.2	J	3	J	45	J	91	
32EDC-21-2	2 to 4	2.5	J	2.6	J	10	J	9	J	95	J	100	J	2.2	J	4.6	J	28	J	130	J
32EDC-21-2	4 to 8	0.77	J	1.5	J	5.3	J	6.8	J	45	J	67	J	6.6	UJ	1.7	J	23	J	100	J
32EDC-21-3	0 to 0.5	3.2	J	3.9	J	5.6		11		72	J	140	J	3.7	J	3.6	J	71	J	150	
32EDC-21-3	0.5 to 2	7.6		1.5	J	2	J	5.3	J	41	J	33	J	1.9	J	6.7		24	J	40	
32EDC-21-3	2 to 4	4.4	J	3.1	J	3.4	J	8.6		96	J	130	J	3.4	J	6.3		50	J	150	
32EDC-21-3	4 to 8	4	J	11		20		31		360	J	530	J	6.5		20		120	J	650	
32EDC-21-4	0 to 0.5	5.7	U	5.7	U	5.7	U	5.7	U	16	J	13	J	5.7	U	5.7	U	6.3	J	15	
32EDC-21-4	0.5 to 2	5.5	U	5.5	U	5.5	U	5.5	U	6.6	J	7	J	5.5	U	5.5	U	3.3	J	9.2	
32EDC-21-4	2 to 4	5.6	U	4.2	J	15		21		180	J	370	J	2.9	J	7.5		44	J	450	
32EDC-21-5	0 to 0.5	120		34	J	55	U	41	J	120		260	J	58		54	J	310	J	340	J
32EDC-21-5	0.5 to 2	6.6	J	55	U	55	U	55	U	22	J	21	J	55	U	6	J	18	J	32	J
32EDC-21-6	0 to 0.5	11		4.6	J	2.8	J	7.5		91		81		11		6.8		57		160	
32EDC-21-6	0.5 to 2	5.5	U	1.8	J	3.7	J	11		83		160		1.4	J	3.9	J	46		220	
32EDC-21-6	2 to 4	2.9	J	2.5	J	1.9	J	4.2	J	57		79		2.4	J	3	J	20		110	
32EDC-21-7	0 to 0.5	9.6	J	3.3	J	39		18	J	81		140		3.6	J	10	J	65	J	170	
32EDC-21-7	0.5 to 2	4.2	J	1	J	2.5	J	3.4	J	42	J	21		1.2	J	4.1	J	13	J	27	
32EDC-21-7	2 to 4	3.6	J	1.2	J	10	J	8.5	J	50	J	27	J	1.6	J	4.3	J	16	J	36	J
32EDC-21-7	4 to 8	5.3	UJ	5.3	UJ	5.3	UJ	5.3	UJ	1.9	J	1.9	J	5.3	UJ	5.3	UJ	0.65	J	2.9	J
32EDC-21-8	0 to 0.5	50	J	16	J	54	U	24	J	86		170	J	22	J	18	J	150	J	220	J
32EDC-21-8	0.5 to 2	2.1	J	5.4	U	1.1	J	1.2	J	9.1		11	J	1.2	J	1.1	J	8.1	J	18	J
32EDC-21-8	2 to 4	31	J	54	U	54	U	9.1	J	35	J	60	J	54	U	14	J	59	J	81	J
32EDC-21-8	4 to 8	5.4	U	5.4	U	5.4	U	5.4	U	0.95	J	0.56	J	5.4	U	5.4	U	0.86	J	0.9	J
32EDC-21-9	0 to 0.5	5.3	U	5.3	U	5.3	U	5.3	U	5.8		8.9		5.3	U	5.3	U	2	J	10	
32EDC-21-9	0.5 to 2	5.6	U	5.6	U	3.2	J	2.7	J	38		41		5.6	U	2.7	J	17		73	
32EDC-21-9	2 to 4	5.5	U	5.5	U	5.5	U	5.5	U	6.9		4.1	J	5.5	U	5.5	U	1.8	J	6.3	
32EDC-21-9	4 to 8	5.5	U	5.5	U	5.5	U	5.5	U	4.7	J	3.3	J	5.5	U	5.5	U	5.5	U	5	J
32EDC-21-10	0 to 0.5	0.8	J	5.7	U	5.7	U	1.4	J	12		9.8		5.7	U	5.7	U	4.7	J	13	
32EDC-21-10	0.5 to 2	1.3	J	5.5	U	5.5	U	2.8	J	21		19		5.5	U	5.5	U	8.9		25	
32EDC-21-10	2 to 4	1.5	J	2	J	5.5	U	4.1	J	16		30		1.6	J	5.5	U	16		42	
32EDC-21-10	4 to 8	8.1		27		38		27		300		670		25		46		510		790	
32EDC-21-11	0 to 0.5	11	J	55	U	55	U	55	U	37	J	25	J	55	U	7.6	J	9.9	J	33	J
32EDC-21-11	0.5 to 2	16	J	55	U	55	U	55	UJ	110		36	J	55	U	9	J	45	J	74	J
32EDC-21-11	2 to 4	55	U	55	U	55	U	6.2	J	52	J	25	J	55	U	3.4	J	15	J	42	J
32EDC-21-12	0 to 0.5	5.9	U	5.9	U	1.9	J	1.8	J	20		26		5.9	U	5.9	U	8.4		32	
32EDC-21-12	0.5 to 2	5.8	U	5.8	U	5.8	U	5.8	U	1.7	J	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32EDC-21-12	2 to 4	6.7	U	6.7	U	6.7	U	6.7	U	36		27		6.7	U	6.7	U	5.7	J	37	
32EDC-21-12	4 to 8	4.5	J	98		60		180		350		1100		84		6.4	U	1100		1400	

Acronyms/Abbreviations:
bgs – below ground surface
PAH – polynuclear aromatic hydrocarbon

Data Qualifiers:
U – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit
J – indicates an estimated value
UJ – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit; the reporting limit, in this case, is an estimated value

Table C1-14
Noncarcinogenic PAH Soil Sampling Results
for FED-1A
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32FED-1A-1	0 to 0.5	7.3		5.3	U	1.9	J	2.9	J	88		24		2.4	J	3.3	J	14		40	
32FED-1A-1	0.5 to 2	4.8	J	1.6	J	3.6	J	9.7		38		44		3.2	J	4.9	J	24		48	
32FED-1A-1	2 to 4	2.9	J	2.9	J	6.5		21		53		58		4.4	J	4.4	J	24		74	
32FED-1A-1	4 to 8	23		8.6		2.7	J	4.6	J	29		32		17		34		40		53	
32FED-1A-2	0 to 0.5	2.5	J	25	U	25	U	25	U	41		19	J	25	U	2.1	J	7.1	J	19	J
32FED-1A-2	0.5 to 2	0.62	J	5.3	U	5.3	U	5.3	U	1.7	J	2.2	J	5.3	U	0.55	J	1.4	J	2.1	J
32FED-1A-2	2 to 4	1	J	11	U	11	U	11	U	8.8	J	8.6	J	11	U	1.1	J	3.6	J	8.7	J
32FED-1A-2	4 to 8	6	U	6	U	6	U	6	U	0.96	J	0.71	J	6	U	6	U	6	U	1.1	J
32FED-1A-3	0 to 0.5	5.6	U	5.6	U	5.6	U	5.6	U	30		21		5.6	U	5.6	U	9.9		20	
32FED-1A-3	0.5 to 2	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32FED-1A-3	2 to 4	6.1	U	6.1	U	6.1	U	6.1	U	1.9	J	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32FED-1A-3	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32FED-1A-4	0 to 0.5	13	J	59	U	59	U	5.5	J	56	J	82		59	U	12	J	37	J	83	
32FED-1A-4	0.5 to 2	5.7	U	5.7	U	5.7	U	5.7	U	0.89	J	0.68	J	5.7	U	5.7	U	0.45	J	0.88	J
32FED-1A-4	2 to 4	0.85	J	12	U	12	U	12	U	10	J	7	J	12	U	0.79	J	3.4	J	7.9	J
32FED-1A-4	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	0.88	J	0.55	J	6.1	U	6.1	U	6.1	U	0.97	J
32FED-1A-5	0 to 0.5	5.4	U	7		5.4	U	14		230		280		2.5	J	4	J	65		350	
32FED-1A-5	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	16		1.8	J	5.3	U	5.3	U	5.3	U	2.4	J
32FED-1A-5	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	16		5.9		5.3	U	5.3	U	5.3	U	7.4	
32FED-1A-5	4 to 8	5.9	U	5.9	U	5.9	U	5.9	U	2.2	J	5.9	U	5.9	U	5.9	U	5.9	U	2.6	J
32FED-1A-6	0 to 0.5	5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ	0.79	J	5.2	UJ	5.2	UJ	5.2	UJ	0.38	J	0.45	J
32FED-1A-6	0.5 to 2	5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ	1	J	1.3	J	5.2	UJ	5.2	UJ	0.46	J	2	J
32FED-1A-6	2 to 4	5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ	0.8	J	0.88	J	5.2	UJ	5.2	UJ	0.47	J	1.1	J
32FED-1A-6	4 to 8	5.5	UJ	5.5	UJ	5.5	UJ	5.5	UJ	5.5	UJ	5.5	UJ	5.5	UJ	5.5	UJ	5.5	UJ	5.5	UJ
32FED-1A-7	0 to 0.5	7.1	J	19	J	26	U	21	J	34		26	U	9	J	26	U	26	U	26	U
32FED-1A-7	0.5 to 2	5.2	U	5.2	U	5.2	U	5.2	U	1.6	J	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
32FED-1A-7	2 to 4	5.5	U	5.5	U	5.5	U	5.5	U	2.3	J	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U
32FED-1A-7	4 to 8	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32FED-1A-8	0 to 0.5	5.2	U	5.2	U	5.2	U	5.2	U	1.8	J	2.9	J	5.2	U	5.2	U	5.2	U	2.6	J
32FED-1A-8	0.5 to 2	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
32FED-1A-8	2 to 4	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	2.4	J	5.7	U	5.7	U	5.7	U	1.9	J
32FED-1A-8	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32FED-1A-9	0 to 0.5	0.62	J	5.1	UJ	5.1	UJ	0.77	J	7.6	J	8.5	J	5.1	UJ	0.69	J	4.1	J	8.3	J
32FED-1A-9	0.5 to 2	5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ	1.8	J	1.3	J	5.2	UJ	5.2	UJ	0.53	J	1.4	J
32FED-1A-9	2 to 4	0.4	J	5.5	UJ	5.5	UJ	5.5	UJ	2.1	J	1.9	J	5.5	UJ	0.44	J	1	J	2	J
32FED-1A-9	4 to 8	6.1	UJ	6.1	UJ	6.1	UJ	6.1	UJ	6.1	UJ	6.1	UJ	6.1	UJ	6.1	UJ	6.1	UJ	6.1	UJ
32FED-1A-10	0 to 0.5	5.1	U	5.1	U	5.1	U	5.1	U	6.1		6.7		5.1	UJ	5.1	U	3.5	J	6.7	J
32FED-1A-10	0.5 to 2	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	UJ	5.6	U	5.6	UJ	5.6	UJ
32FED-1A-10	2 to 4	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	UJ	5.8	U	5.8	UJ	5.8	UJ
32FED-1A-10	4 to 8	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	UJ	6.2	U	6.2	UJ	6.2	UJ
32FED-1A-11	0 to 0.5	5.3	U	5.3	U	5.3	UJ	5.3	U	4.8	J	5.3	UJ	5.3	U	5.3	U	5.3	UJ	5.3	UJ
32FED-1A-11	0.5 to 2	5.7	U	5.7	U	5.7	UJ	5.7	U	1.7	J	5.7	UJ	5.7	U	5.7	U	5.7	UJ	5.7	UJ
32FED-1A-11	2 to 4	6.5		5.6	U	5.6	UJ	5.6	U	6.3	J	5.6	UJ	5.6	U	5.5	J	5.6	UJ	3.8	J
32FED-1A-11	4 to 8	6.1	U	6.1	U	6.1	UJ	6.1	U	6.1	UJ	6.1	UJ	6.1	U	6.1	U	6.1	UJ	6.1	UJ
32FED-1A-12	0 to 0.5	85		1.2	J	5.2	U	6		67		17		53		55		230		71	
32FED-1A-12	0.5 to 2	54	U	54	U	54	U	54	U	13	J	54	U	54	U	54	U	3.8	J	54	U

Table C1-14
Noncarcinogenic PAH Soil Sampling Results
for FED-1A
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32FED-1A-12	2 to 4	1.2	J	11	U	11	U	11	U	5.6	J	1.1	J	11	U	1.5	J	5.9	J	2.6	J
32FED-1A-12	4 to 8	0.44	J	5.8	U	5.8	U	5.8	U	1.2	J	0.53	J	5.8	U	5.8	U	5.8	U	0.9	J
32FED-1A-13	0 to 0.5	5.2	U	2.5	J	5.2	U	5.4		150		140		5.2	U	5.4		30		160	
32FED-1A-13	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	29		35		5.3	U	5.3	U	8.4		38	
32FED-1A-13	2 to 4	5.7	U	5.7	U	5.7	U	5.7	U	34		33		5.7	U	5.7	U	7.4		40	
32FED-1A-13	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	7.5		9.6		6.1	U	6.1	U	2.6	J	15	
32FED-1A-14	0 to 0.5	27	U	27	U	27	U	27	U	26	J	27	U	27	U	27	U	27	U	27	U
32FED-1A-14	0.5 to 2	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
32FED-1A-14	2 to 4	5.3	U	5.3	U	5.3	U	5.3	U	3.1	J	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32FED-1A-14	4 to 8	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
32FED-1A-15	0 to 0.5	1.3	J	5.4	UJ	5.4	UJ	0.79	J	5.4	UJ	1.2	J	5.4	UJ	0.83	J	1.8	J	7.3	J
32FED-1A-15	0.5 to 2	0.33	J	5.3	UJ	5.3	UJ	5.3	UJ	5.3	UJ	0.32	J	5.3	UJ	5.3	UJ	0.38	J	0.75	J
32FED-1A-15	2 to 4	0.93	J	5.3	UJ	5.3	UJ	0.53	J	14	J	0.53	J	5.3	UJ	0.41	J	0.99	J	2.6	J
32FED-1A-15	4 to 8	5.7	UJ	5.7	UJ	5.7	UJ	5.7	UJ	5.7	UJ	3.4	J	5.7	UJ	5.7	UJ	2.1	J	3.9	J
32FED-1A-16	0 to 0.5	5.5	U	5.5	U	5.5	U	3.6	J	3.3	J	5.3	J	5.5	U	5.5	U	5.5	U	5	J
32FED-1A-16	0.5 to 2	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U
32FED-1A-16	2 to 4	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U
32FED-1A-16	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32FED-1A-17	0 to 0.5	5.2	U	5.2	U	5.2	U	5.2	U	2.8	J	3.3	J	5.2	U	5.2	U	1.8	J	9	
32FED-1A-17	0.5 to 2	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	UJ	5.6	U	5.6	U	5.6	UJ	5.6	U
32FED-1A-17	2 to 4	5.8	U	5.8	U	5.8	U	5.8	U	6.4		1.8	J	5.8	U	5.8	U	5.8	UJ	3.5	J
32FED-1A-17	4 to 8	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32FED-1A-18	0 to 0.5	18	J	53	UJ					46	J	7	J	18	J	12	J	74		34	J
32FED-1A-18	0.5 to 2	53	UJ	53	UJ					28	J	16	J	53	UJ	3.4	J	5.1	J	83	
32FED-1A-18	2 to 4	1.3	J	5.5	UJ					7.2		4.5	J	5.5	UJ	1.2	J	3.6	J	17	
32FED-1A-18	4 to 8	5.7	UJ	5.7	UJ					5.7	U	5.7	U	5.7	UJ	5.7	UJ	5.7	U	5.7	U
32FED-1A-19	0 to 0.5	5.7	U	5.7	U	5.7	U	5.7	U	2.8	J	1.4	J	5.7	U	5.7	U	0.94	J	2.8	J
32FED-1A-19	0.5 to 2	5.7	U	5.7	U	5.7	U	5.7	U	1.7	J	2	J	5.7	U	5.7	U	0.94	J	2.1	J
32FED-1A-19	2 to 4	6	U	6	U	6	U	6	U	0.67	J	0.98	J	6	U	6	UJ	0.53	J	1.3	J
32FED-1A-19	4 to 8	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	UJ	6.2	U	6.2	U
32FED-1A-20	0 to 0.5	4.3	J	3.6	J	2	J	3.3	J	83		6		7.1		5.5	U	15		17	
32FED-1A-20	0.5 to 2	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32FED-1A-20	2 to 4	6	U	6	U	6	U	6	U	6.1		6	U	1.5	J	6	U	2.8	J	2.7	J
32FED-1A-20	4 to 8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32FED-1A-21	0 to 0.5	5.1	U	1.4	J	5.1	U	1.7	J	30		38		5.1	U	5.1	U	11		39	
32FED-1A-21	0.5 to 2	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
32FED-1A-21	2 to 4	5.5	U	5.5	U	5.5	U	1.4	J	26		32		5.5	U	5.5	U	9.4		37	
32FED-1A-21	4 to 8	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32FED-1A-22	0 to 0.5	5.3	U	5.3	U	5.3	U	5.3	U	19		5.3	U	5.3	U	5.3	U	2.4	J	2.4	J
32FED-1A-22	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	2	J	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
32FED-1A-22	2 to 4	5.4	U	5.4	U	5.4	U	5.4	U	2.1	J	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32FED-1A-22	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32FED-1A-23	0 to 0.5	0.44	J	5.2	UJ	5.2	UJ	5.2	UJ	2.3	J	3	J	5.2	UJ	5.2	UJ	1.3	J	3	J
32FED-1A-23	0.5 to 2	0.34	J	5.5	UJ	5.5	UJ	5.5	UJ	1.4	J	1.8	J	5.5	UJ	0.36	J	0.65	J	2	J
32FED-1A-23	2 to 4	0.99	J	5.6	U	5.6	U	0.47	J	11		7.8		5.6	U	1	J	4.9	J	9.6	
32FED-1A-23	4 to 8	600	U	600	U	600	U	600	U	85	J	600	U	600	U	600	U	600	U	600	U

Table C1-14
Noncarcinogenic PAH Soil Sampling Results
for FED-1A
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32FED-1A-24	0 to 0.5	22		11		5.4	U	8		62		37		16		2.9	J	170		79	
32FED-1A-24	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	4	J	5.3	U	5.3	U	5.3	U	1.9	J	5.3	U
32FED-1A-24	2 to 4	7.8		5.7	U	5.7	U	5.7	U	11		3.8	J	2.3	J	5.5	J	20		10	
32FED-1A-24	4 to 8	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	2.2	J	5.8	U	5.8	U	5.8	U	2.5	J
32FED-1A-25	0 to 0.5	5.6		5.3	U	5.3	U	5.3	U	3.1	J	3.1	J	5.3	U	2.1	J	7.1	J	4.9	J
32FED-1A-25	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	U	3.3	J	5.4	UJ	5.4	U	5.4	U	5.4	UJ	5.4	U
32FED-1A-25	2 to 4	5.7	U	5.7	U	5.7	U	5.7	U	8.9		5.7	UJ	5.7	U	5.7	U	3.6	J	2.2	J
32FED-1A-25	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	UJ	6.1	U	6.1	U	6.1	UJ	6.1	U
32FED-1A-26	0 to 0.5	5.2	U	5.2	U	5.2	U	5.2	U	2.6	J	2.7	J	5.2	U	5.2	U	1.6	J	3.3	J
32FED-1A-26	0.5 to 2	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
32FED-1A-26	2 to 4	5.7	U	5.7	U	5.7	U	5.7	U	2.9	J	6.4		5.7	U	5.7	U	1.9	J	6.7	
32FED-1A-26	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32FED-1A-27	0 to 0.5	3.9	J	2.6	J	5.2	U	3.4	J	36		7.8		16	J	5.2	U	50	J	16	J
32FED-1A-27	0.5 to 2	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U	5.6	UJ	5.6	U	5.6	UJ	5.6	UJ
32FED-1A-27	2 to 4	5.7	U	5.7	U	5.7	U	5.7	U	3	J	5.7	U	5.7	UJ	5.7	U	3	J	2.2	J
32FED-1A-27	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	UJ	6.1	U	6.1	UJ	6.1	UJ
32FED-1A-28	0 to 0.5	53	U	53	U	53	U	53	U	59		53	U	53	U	53	U	9.5	J	8.4	J
32FED-1A-28	0.5 to 2	5.6	U	5.6	U	5.6	U	5.6	U	0.75	J	1.6	J	5.6	U	5.6	U	0.81	J	2	J
32FED-1A-28	2 to 4	28	U	28	U	28	U	28	U	9.6	J	28	U	28	U	28	U	5	J	2.6	J
32FED-1A-28	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32FED-1A-29	0 to 0.5	0.64	J	1.5	J	5.2	UJ	2.5	J	56	J	74	J	5.2	UJ	1.3	J	15	J	61	J
32FED-1A-29	0.5 to 2	5.4	UJ	5.4	UJ	5.4	UJ	5.4	UJ	3.3	J	5	J	5.4	UJ	5.4	UJ	1.1	J	4.8	J
32FED-1A-29	2 to 4	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	10	J	12	J	5.6	UJ	5.6	UJ	2.6	J	11	J
32FED-1A-29	4 to 8	6.5	UJ	6.5	UJ	6.5	UJ	6.5	UJ	0.59	J	0.51	J	6.5	UJ	6.5	UJ	6.5	UJ	0.56	J
32FED-1A-30	0 to 0.5	0.89	J	5.3	UJ	5.3	UJ	5.3	UJ	24	J	0.58	J	5.3	UJ	0.49	J	2.5	J	1	J
32FED-1A-30	0.5 to 2	0.35	J	5.4	UJ	5.4	UJ	0.47	J	7.2	J	2.8	J	5.4	UJ	5.4	UJ	4.3	J	7.9	J
32FED-1A-30	2 to 4	5.7	UJ	5.7	UJ	5.7	UJ	5.7	UJ	5.7	UJ	0.74	J	5.7	UJ	5.7	UJ	5.7	UJ	1.1	J
32FED-1A-30	4 to 8	0.4	J	5.9	UJ	5.9	UJ	5.9	UJ	5.9	UJ	0.81	J	5.9	UJ	5.9	UJ	2	J	2.7	J
32FED-1A-31	0 to 0.5	6.6		27		5.4	U	30		1400		750		13		19		110		780	
32FED-1A-31	0.5 to 2	5.3	U	5.3	U	3.6	J	6.3		23		14		5.3	U	5.3	U	5.7		18	
32FED-1A-31	2 to 4	5.4	U	5.4	U	5.4	U	2.1	J	30		15		5.4	U	5.4	U	6.8		16	
32FED-1A-31	4 to 8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32FED-1A-32	0 to 0.5	1.4	J	5.2	UJ	5.2	UJ	0.6	J	98	J	1.5	J	5.2	UJ	0.59	J	1.2	J	1.9	J
32FED-1A-32	0.5 to 2	5.2	U	5.2	U	5.2	U	5.2	UJ	2.2	J	0.47	J	5.2	U	5.2	U	5.2	UJ	0.6	J
32FED-1A-32	2 to 4	0.62	J	0.99	J	5.3	UJ	1.1	J	13	J	24	J	5.3	UJ	0.67	J	6.9	J	26	J
32FED-1A-32	4 to 8	5.8	U	5.8	U	5.8	U	5.8	UJ	5.8	UJ	5.8	UJ	5.8	U	5.8	U	5.8	UJ	5.8	UJ
32FED-1A-33	0 to 0.5	26	U	26	U	26	U	26	U	28		26	U	26	U	26	U	36		23	J
32FED-1A-33	0.5 to 2	5.2	U	5.2	U	5.2	U	2.9	J	5.4		5.2	U	5.2	U	5.2	U	1.9	J	1.8	J
32FED-1A-33	2 to 4	0.9	J	5.3	U	5.3	U	5.3	U	8.7		5.3	U	5.3	U	5.3	U	34		12	
32FED-1A-33	4 to 8	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32FED-1A-34	0 to 0.5	5.3	UJ	5.3	UJ	5.3	U	5.3	UJ	5.3	U	5.3	U	5.3	UJ	5.3	UJ	5.3	UJ	5.3	U
32FED-1A-34	0.5 to 2	5.5	UJ	5.5	UJ	5.5	U	5.5	UJ	2.7	J	5.5	U	5.5	UJ	5.5	UJ	5.5	UJ	5.5	U
32FED-1A-34	2 to 4	5.6	UJ	5.6	UJ	3.1	J	3.2	J	16		31		1.6	J	5.6	UJ	5.6	UJ	39	
32FED-1A-34	4 to 8	6.1	UJ	6.1	UJ	6.1	U	6.1	UJ	6.1	U	6.1	U	6.1	UJ	6.1	UJ	6.1	UJ	6.1	U
32FED-1A-35	0 to 0.5	24	J	54	U	54	UJ	54	U	83	J	54	UJ	54	U	54	U	54	UJ	54	UJ
32FED-1A-35	0.5 to 2	5.7	U	5.7	U	5.7	U	5.7	U	2.9	J	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U

Table C1-14
Noncarcinogenic PAH Soil Sampling Results
for FED-1A
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32FED-1A-35	2 to 4	8.9		6.9		5.8	UJ	13		9.4	J	5.8	UJ	4.6	J	2.9	J	5.8	UJ	3.7	J
32FED-1A-35	4 to 8	6.1	U	6.1	U	6.1	UJ	6.1	U	6.1	UJ	6.1	UJ	6.1	U	6.1	U	6.1	UJ	6.1	UJ
32FED-1A-36	0 to 0.5	5.1	U	5.1	U	5.1	U	5.1	U	9.6		13		5.1	U	5.1	U	7.5		13	
32FED-1A-36	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32FED-1A-36	2 to 4	5.5	U	5.5	U	5.5	U	5.5	U	3.5	J	3.9	J	5.5	U	5.5	U	2.2	J	4	J
32FED-1A-36	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32FED-1A-37	0 to 0.5	5.4	U	5.4	U	2.2	J	2.2	J	58		18		2.2	J	5.4	U	28		38	
32FED-1A-37	0.5 to 2	5.6	U	5.6	U	5.6	U	5.6	U	8.2		11		5.6	U	5.6	U	4	J	15	
32FED-1A-37	2 to 4	5.7	U	5.7	U	5.7	U	2.5	J	27		27		5.7	U	5.7	U	13		41	
32FED-1A-37	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32FED-1A-38	0 to 0.5	170		670		4.4	J	710		36000		22000		310		360		2800		25000	
32FED-1A-38	0.5 to 2	3.8	J	5.5		5.5	U	9.8		150		170		3.8	J	3.7	J	43		160	
32FED-1A-38	2 to 4	200		37		5.7	U	35		580		490		150		38		380		600	
32FED-1A-38	4 to 8	5.7	U	5.7	U	5.7	U	5.7	U	3.8	J	1.7	J	4.5	J	5.7	U	9		3.9	J
32FED-1A-39	0 to 0.5	5.4	J	2.6	J	5.9	U	9.2		32	J	11		11		5.9	U	49		30	
32FED-1A-39	0.5 to 2	5.7	U	5.7	U	5.7	U	5.7	U	3.2	J	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32FED-1A-39	2 to 4	77		12		5.5	U	6.3		24	J	15		47		10		120		31	
32FED-1A-39	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	6.1	UJ	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32FED-1A-40	0 to 0.5	1000		27		5.1	U	5.6		92		13		89		290		110		63	
32FED-1A-40	0.5 to 2	26		6.3	U	6.3	U	6.3	U	27	J	6.3	U	2.1	J	7.6		2.9	J	5.3	J
32FED-1A-40	2 to 4	76		2.3	J	5.7	U	5.7	U	3.8	J	5.7	U	6.7		21		7.3		4.9	J
32FED-1A-40	4 to 8	6	U	6	U	6	U	6	U	6	UJ	6	U	6	U	6	U	2.1	J	6	U
32FED-1A-41	0 to 0.5	350		9.4		5.1	U	5.1	U	87	J	40		5.1	U	29		1400		150	
32FED-1A-41	0.5 to 2	6.2	U	6.2	U	6.2	U	2	J	6.5		1.7	J	6.2	U	6.2	U	6.1		2.3	J
32FED-1A-41	2 to 4	32		5.4	U	5.4	U	5.4	U	5	J	4.7	J	5.4	U	2.2	J	120		8.9	
32FED-1A-41	4 to 8	26		5.8	U	5.8	U	5.8	U	8		4.4	J	5.8	U	2.2	J	86		8.6	
32FED-1A-42	0 to 0.5	320		100	U	100	U	43	J	88	J	13	J	100	U	35	J	660		93	J
32FED-1A-42	0.5 to 2	0.36	J	5.2	U	5.2	U	5.2	U	5.2	U	0.49	J	5.2	U	0.35	J	2.5	J	0.98	J
32FED-1A-42	2 to 4	240		100	U	100	U	100	U	17	J	6	J	100	U	19	J	370		25	J
32FED-1A-42	4 to 8	0.31	J	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	1	J	0.48	J
32FED-1A-43	0 to 0.5	4.8	J	3.5	J	3.4	J	3	J	22	J	3.5	J	4	J	2.6	J	3.1	J	3.9	J
32FED-1A-43	0.5 to 2	5.7	U	5.7	U	5.7	U	5.7	U	1.4	J	1.8	J	5.7	U	5.7	U	1.3	J	2.5	J
32FED-1A-43	2 to 4	5.8	U	5.8	U	5.8	U	5.8	U	1.4	J	5.8	U	5.8	U	5.8	U	5.8	U	0.52	J
32FED-1A-43	4 to 8	6.2	U	6.2	U	6.2	U	6.2	U	0.8	J	0.72	J	6.2	U	6.2	U	6.2	U	1	J
32FED-1A-44	0 to 0.5	100	U	100	U	100	U	100	U	110		100	U	100	U	12	J	8.9	J	100	U
32FED-1A-44	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	U	2.8	J	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32FED-1A-44	2 to 4	28	U	28	U	28	U	28	U	28	U	28	U	28	U	28	U	28	U	28	U
32FED-1A-44	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	0.4	J	6.1	U	6.1	U	6.1	U	0.62	J
32FED-1A-45	0 to 0.5	51	UJ	51	UJ	51	UJ	51	UJ	63	J	51	UJ	51	UJ	51	UJ	3.3	J	51	UJ
32FED-1A-45	0.5 to 2	52	UJ	52	UJ	52	UJ	52	UJ	18	J	52	UJ	52	UJ	52	UJ	52	UJ	52	UJ
32FED-1A-45	2 to 4	52	UJ	52	UJ	52	UJ	52	UJ	20	J	52	UJ	52	UJ	52	UJ	52	UJ	52	UJ
32FED-1A-45	4 to 8	6	U	6	U	6	U	6	U	0.79	J	6	U	6	U	6	U	6	U	0.43	J
32FED-1A-46	0 to 0.5	5.3	U	2.3	J	5.3	U	4.7	J	200		73		1.2	J	2.3	J	22	J	68	
32FED-1A-46	0.5 to 2	5.3	U	5.3	U	5.3	U	5.3	U	37		4.3	J	5.3	U	5.3	U	5.3	UJ	5.5	
32FED-1A-46	2 to 4	5.6	U	5.6	U	5.6	U	5.6	U	14		5.6	U	5.6	U	5.6	U	5.6	UJ	3.5	J
32FED-1A-46	4 to 8	6.4	U	6.4	U	6.4	U	1.6	J	17		11		6.4	U	6.4	U	4.1	J	18	

Table C1-14
Noncarcinogenic PAH Soil Sampling Results
for FED-1A
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32FED-1A-47	0 to 0.5	16	J	84		54	UJ	130		1100		1800		49	J	80		640		1900	
32FED-1A-47	0.5 to 2	5.3	U	5.3	U	5.3	UJ	5.3	U	4.6	J	5.3	U	5.3	U	5.3	U	5.3	U	4	J
32FED-1A-47	2 to 4	5.4	U	5.4	U	5.4	UJ	5.4	U	24		14		5.4	U	5.4	U	3	J	16	
32FED-1A-47	4 to 8	6.1	U	6.1	U	6.1	UJ	6.1	U	2.7	J	2.6	J	6.1	U	6.1	U	6.1	U	3.9	J
32FED-1A-48	0 to 0.5	1.1	J	5.4	UJ	3.8	J	3.1	J	85	J	8.4	J	5.4	UJ	5.4	UJ	7.2	J	16	J
32FED-1A-48	0.5 to 2	5.5	U	5.5	U	5.5	U	5.5	UJ	3.2	J	1.3	J	5.5	U	5.5	U	0.52	J	1.8	J
32FED-1A-48	2 to 4	3.6	J	5.8	U	5.8	U	5.8	UJ	5.3	J	0.59	J	5.8	U	1.6	J	2.3	J	1.9	J
32FED-1A-48	4 to 8	6	U	6	U	6	U	6	UJ	6	UJ	6	UJ	6	U	6	U	6	UJ	6	UJ
32FED-1A-49	0 to 0.5	250		7.4		5.2	U	9.7		51	J	47		5.2	U	17		560		94	
32FED-1A-49	0.5 to 2	3.1	J	5.5	U	5.5	U	5.5	U	13		5.5	U	5.5	U	5.5	U	7.9		2.1	J
32FED-1A-49	2 to 4	140		4.7	J	5.5	U	2.7	J	22		14		3.8	J	11		170		25	
32FED-1A-49	4 to 8	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	4.4	J	6.2	U
32FED-1A-50	0 to 0.5	5.2	U	5.2	U	5.2	U	5.2	U	11	J	6.4		5.2	U	5.2	U	3.3	J	16	
32FED-1A-50	0.5 to 2	5.8	U	5.8	U	5.8	U	5.8	U	1.9	J	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32FED-1A-50	2 to 4	6.2	U	6.2	U	6.2	U	6.2	U	8	J	2	J	6.2	U	6.2	U	6.2	U	8.3	
32FED-1A-50	4 to 8	6.2	U	6.2	U	6.2	U	6.2	U	6.2	UJ	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32FED-1A-51	0 to 0.5	3.1	J	5.2	U	5.2	U	5.2	U	42		3.6	J	5.2	U	5.2	U	15		5.9	
32FED-1A-51	0.5 to 2	6.3	U	6.3	U	6.3	U	6.3	U	12		6.3	U	6.3	U	6.3	U	6.3	U	2	J
32FED-1A-51	2 to 4	5.5	U	5.5	U	5.5	U	5.5	U	13		1.6	J	5.5	U	5.5	U	5.5	U	5.5	U
32FED-1A-51	4 to 8	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32FED-1A-52	0 to 0.5	5.1	U	5.1	U	5.1	U	5.1	U	4.2	J	2.1	J	5.1	U	5.1	U	1.8	J	3.2	J
32FED-1A-52	0.5 to 2	5.5	U	5.5	U	5.5	U	5.5	U	2	J	1.7	J	5.5	U	5.5	U	5.5	UJ	2.6	J
32FED-1A-52	2 to 4	5.7	U	5.7	U	5.7	U	5.7	U	2.6	J	1.7	J	5.7	U	5.7	U	5.7	UJ	2.8	J
32FED-1A-52	4 to 8	6	U	6	U	6	U	6	U	6	U	6	UJ	6	U	6	U	6	UJ	6	U
32FED-1A-53	0 to 0.5	27	UJ	27	UJ	27	U	27	UJ	35	J	27	U	27	UJ	27	UJ	27	UJ	27	U
32FED-1A-53	0.5 to 2	5.8	UJ	5.8	UJ	5.8	U	5.8	UJ	2.5	J	2.5	J	5.8	UJ	5.8	UJ	5.8	UJ	3.6	J
32FED-1A-53	2 to 4	0.9	J	5.7	UJ	5.7	U	5.7	UJ	8.6	J	5.7	U	5.7	UJ	5.7	UJ	5.7	UJ	6	
32FED-1A-53	4 to 8	6	UJ	6	UJ	6	U	6	UJ	6	U	6	U	6	UJ	6	UJ	6	UJ	6	U
32FED-1A-54	0 to 0.5	5.3	U	5.3	U	5.3	U	5.3	U	60		2.1	J	5.3	UJ	5.3	U	2	J	3.6	J
32FED-1A-54	0.5 to 2	5.7	U	5.7	U	5.7	U	5.7	U	3.8	J	5.7	U	5.7	UJ	5.7	U	5.7	UJ	5.7	UJ
32FED-1A-54	2 to 4	5.9	U	5.9	U	5.9	U	5.9	U	3.2	J	5.9	U	5.9	UJ	5.9	U	5.9	UJ	5.9	UJ
32FED-1A-54	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	UJ	6	U	6	UJ	6	UJ
32FED-1A-55	0 to 0.5	5.1	U	5.1	U	5.1	U	5.1	U	7.5		7.7		5.1	U	5.1	U	3.7	J	8.9	
32FED-1A-55	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	U	3.3	J	1.9	J	5.4	U	5.4	U	5.4	U	2.1	J
32FED-1A-55	2 to 4	5.6	U	5.6	U	5.6	U	5.6	U	3	J	2.6	J	5.6	U	5.6	U	5.6	U	3	J
32FED-1A-55	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32FED-1A-56	0 to 0.5	0.62	J	5.3	U	5.3	U	5.3	U	8.7	UJ	3.3	J	5.3	U	0.37	J	2.2	J	4.6	J
32FED-1A-56	0.5 to 2	0.58	J	5.4	U	2.3	J	6		8	UJ	20	J	1.8	J	0.6	J	17	J	26	J
32FED-1A-56	2 to 4	0.37	J	5.6	U	5.6	U	5.6	U	6.5	UJ	3.3	J	5.6	U	0.37	J	1.1	J	4.3	J
32FED-1A-56	4 to 8	0.59	J	4.8	J	5.9	U	1.2	J	6.5	UJ	7	J	5.9	U	0.91	J	2.3	J	13	J
32FED-1A-57	0 to 0.5	5.4	U	5.4	U	5.4	U	1.8	J	94		49		5.4	U	5.4	U	8.2		49	
32FED-1A-57	0.5 to 2	5.7	U	5.7	U	5.7	U	5.7	U	15		14		5.7	U	5.7	U	3.2	J	14	
32FED-1A-57	2 to 4	5.8	U	5.8	U	5.8	U	5.8	U	22		18		5.8	U	5.8	U	4.7	J	18	
32FED-1A-57	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	6.3		5.4	J	6.1	U	6.1	U	6.1	U	11	
32FED-1A-58	0 to 0.5	31		60		36		64		530		560		50		28		130	J	600	
32FED-1A-58	0.5 to 2	5.5	U	3.5	J	5.5	U	5.3	J	92		120		1.2	J	2.2	J	28	J	130	

Table C1-14
Noncarcinogenic PAH Soil Sampling Results
for FED-1A
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32FED-1A-58	2 to 4	1100	U	580	J	1100	U	470	J	11000	J	7400		360	J	570	J	1200	J	8600	
32FED-1A-58	4 to 8	48		210		2.7	J	220		3800	J	3600		100		180		720	J	3800	
32FED-1A-59	0 to 0.5	5.7	U	5.7	U	5.7	U	5.7	U	22		5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32FED-1A-59	0.5 to 2	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32FED-1A-59	2 to 4	6	U	6	U	6	U	6	U	9.6		6	U	6	U	6	U	3.1	J	3.2	J
32FED-1A-59	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32FED-1A-60	0 to 0.5	5.2	U	5.2	U	5.2	U	5.2	U	28		2.4	J	5.2	U	5.2	U	2.5	J	3.6	J
32FED-1A-60	0.5 to 2	6.1	U	6.1	U	6.1	U	6.1	U	2.3	J	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32FED-1A-60	2 to 4	5.6	U	5.6	U	5.6	U	5.6	U	19		2.2	J	5.6	U	5.6	U	4.5	J	3.9	J
32FED-1A-60	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32FED-1A-61	0 to 0.5	370		52		5.4	U	43		140		110		200		38		910		290	
32FED-1A-61	0.5 to 2	6.3	U	6.3	U	6.3	U	6.3	U	28	J	4.9	J	2.5	J	6.3	U	11		7.1	
32FED-1A-61	2 to 4	16		4.4	J	1.8	J	2.9	J	30	J	12		17		5.9	U	67		22	
32FED-1A-61	4 to 8	6.2	U	6.2	U	6.2	U	6.2	U	6.2	UJ	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32FED-1A-62	0 to 0.5	5.7	U	5.7	U	5.7	U	5.7	U	4.5	J	5.7	U	5.7	U	5.7	U	5.7	U	2.9	J
32FED-1A-62	0.5 to 2	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32FED-1A-62	2 to 4	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32FED-1A-62	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32FED-1A-63	0 to 0.5	5.2	U	5.2	U	5.2	U	5.2	U	6.7		5.2	U	5.2	U	5.2	U	1.4	J	2.7	J
32FED-1A-63	0.5 to 2	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32FED-1A-63	2 to 4	5.9	U	5.9	U	5.9	U	5.9	U	4.9	J	6.8		5.9	U	5.9	U	3.8	J	8.1	
32FED-1A-63	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32FED-1A-64	0 to 0.5	5.9	U	5.9	U	5.9	U	5.9	U	23		2.1	J	5.9	U	5.9	U	5.9	U	2.1	J
32FED-1A-64	0.5 to 2	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32FED-1A-64	2 to 4	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32FED-1A-64	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32FED-1A-65	0 to 0.5	53	UJ	53	UJ	53	UJ	53	UJ	52	J	53	UJ	53	UJ	53	UJ	53	UJ	53	UJ
32FED-1A-65	0.5 to 2	5.6	U	5.6	U	5.6	U	5.6	U	1.6	J	0.42	J	5.6	U	5.6	U	5.6	U	0.63	J
32FED-1A-65	2 to 4	63	UJ	63	UJ	63	UJ	63	UJ	18	J	63	UJ	63	UJ	63	UJ	63	UJ	6.6	J
32FED-1A-65	4 to 8	5.8	U	5.8	U	5.8	U	5.8	U	1.4	J	0.87	J	5.8	U	5.8	U	5.8	U	1.2	J
32FED-1A-66	0 to 0.5	15	J	52	UJ	52	UJ	52	UJ	26	J	52	UJ	52	UJ	4.7	J	22	J	7.8	J
32FED-1A-66	0.5 to 2	5.6	U	5.6	U	5.6	U	5.6	U	1.4	J	0.54	J	5.6	U	5.6	U	0.58	J	1	J
32FED-1A-66	2 to 4	19	J	57	U	57	U	57	U	13	J	57	U	57	U	3.9	J	14	J	6.4	J
32FED-1A-66	4 to 8	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32FED-1A-67	0 to 0.5	5.2	U	5.2	U	5.2	UJ	5.2	U	4.4	J	5.2	U	5.2	U	5.2	U	1.5	J	2.8	J
32FED-1A-67	0.5 to 2	5.3	U	2.4	J	5.3	UJ	1.3	J	96		40		5.3	U	2.5	J	6		50	
32FED-1A-67	2 to 4	4.6	J	13		5.8	UJ	10		340		200		7.1		13		49		240	
32FED-1A-67	4 to 8	6.2	U	6.2	U	6.2	UJ	6.2	U	13		12		6.2	U	6.2	U	2.9	J	12	
32FED-1A-68	0 to 0.5	27	UJ	27	UJ	27	UJ	27	UJ	35	J	27	UJ	27	UJ	27	UJ	27	UJ	27	UJ
32FED-1A-68	0.5 to 2	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	0.77	J	5.6	UJ	5.6	UJ	5.6	UJ	5.6	UJ	0.44	J
32FED-1A-68	2 to 4	30	U	30	U	30	U	30	U	10	J	30	U	30	U	30	U	30	U	30	U
32FED-1A-68	4 to 8	6	UJ	6	UJ	6	UJ	6	UJ	0.59	J	6	UJ	6	UJ	6	UJ	6	UJ	6	UJ
32FED-1A-69	0 to 0.5	5.4	U	5.4	U	5.4	U	5.4	U	32		5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
32FED-1A-69	0.5 to 2	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32FED-1A-69	2 to 4	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U
32FED-1A-69	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U

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Noncarcinogenic PAH Soil Sampling Results
for FED-1A
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32FED-1A-70	0 to 0.5	0.37	J	6	U	6	U	6	U	1.1	J	1	J	6	U	6	U	6	U	1.7	J
32FED-1A-70	0.5 to 2	6	U	6	U	6	U	6	U	0.57	J	0.5	J	6	U	6	U	6	U	0.68	J
32FED-1A-70	2 to 4	6	U	6	U	6	U	6	U	6	U	0.74	J	6	U	6	U	6	U	0.92	J
32FED-1A-70	4 to 8	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32FED-1A-71	0 to 0.5	6	U	6	U	6	U	6	U	6	U	0.55	J	6	U	6	U	0.52	J	0.9	J
32FED-1A-71	0.5 to 2	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	0.46	J	6.2	U	6.2	U	6.2	U	0.85	J
32FED-1A-71	2 to 4	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U
32FED-1A-71	4 to 8	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32FED-1A-72	0 to 0.5	5.3	U	5.3	U	5.3	U	5.3	U	1.4	J	1	J	5.3	U	0.43	J	1.1	J	1.5	J
32FED-1A-72	0.5 to 2	5.8	U	5.8	U	5.8	U	5.8	U	2.9	J	1.1	J	5.8	U	5.8	U	0.45	J	1.7	J
32FED-1A-72	2 to 4	5.7	U	5.7	U	5.7	U	5.7	U	1.8	J	1.2	J	5.7	U	5.7	U	0.59	J	1.4	J
32FED-1A-72	4 to 8	5.9	U	5.9	U	5.9	U	5.9	U	0.51	J	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32FED-1A-73	0 to 0.5	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	2.3	J	5.9	U	5.9	U	1.7	J	2.1	J
32FED-1A-73	0.5 to 2	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32FED-1A-73	2 to 4	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32FED-1A-73	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
32FED-1A-74	0 to 0.5	100	UJ	100	UJ	38	J	56	J	360	J	290	J	100	UJ	100	UJ	59	J	300	J
32FED-1A-74	0.5 to 2	29	UJ	29	UJ	29	UJ	29	UJ	5.6	J	3.9	J	29	UJ	29	UJ	29	UJ	4.9	J
32FED-1A-74	2 to 4	59	U	59	U	59	U	59	U	37	J	30	J	59	U	59	U	6.1	J	42	J
32FED-1A-74	4 to 8	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
32FED-1A-75	0 to 0.5	17		1.6	J	1.8	J	3.9	J	79		7.3		5.3	U	3.2	J	63		16	
32FED-1A-75	0.5 to 2	5.5	U	5.5	U	5.5	U	5.5	U	9.7		5.5	U	5.5	U	5.5	U	5.5	U	5.5	U
32FED-1A-75	2 to 4	5.7	U	5.7	U	5.7	U	5.7	U	8.2		1.9	J	5.7	U	5.7	U	2.7	J	2.7	J
32FED-1A-75	4 to 8	6.2	U	6.2	U	6.2	U	2.8	J	11		25		6.2	U	6.2	U	16		30	
32FED-1A-76	0 to 0.5	5.6	U	5.6	U	5.6	U	5.6	U	18		5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
32FED-1A-76	0.5 to 2	6	U	6	U	6	U	6	U	3.3	J	4.5	J	6	U	6	U	6	U	6.5	
32FED-1A-76	2 to 4	5.9	U	5.9	U	5.9	U	5.9	U	4.9	J	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32FED-1A-76	4 to 8	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32FED-1A-77	0 to 0.5	19	J	29	UJ	29	UJ	29	UJ	24	J	29	UJ	29	UJ	9.8	J	12	J	11	J
32FED-1A-77	0.5 to 2	0.95	J	6	UJ	6	UJ	6	UJ	1.5	J	0.99	J	6	UJ	0.71	J	1.3	J	2	J
32FED-1A-77	2 to 4	70	J	29	UJ	29	UJ	29	UJ	7.7	J	29	UJ	13	J	33	J	28	J	6.4	J
32FED-1A-77	4 to 8	5.9	UJ	5.9	UJ	5.9	UJ	5.9	UJ	0.74	J	5.9	UJ	5.9	UJ	5.9	UJ	5.9	UJ	5.9	UJ
32FED-1A-78	0 to 0.5	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	UJ	5.3	U	5.3	U	5.3	UJ	5.3	U
32FED-1A-78	0.5 to 2	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	UJ	5.9	U	5.9	U	5.9	UJ	5.9	U
32FED-1A-78	2 to 4	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	UJ	5.8	U	5.8	U	5.8	UJ	5.8	U
32FED-1A-78	4 to 8	6	U	6	U	6	U	6	U	6	U	6	UJ	6	U	6	U	6	UJ	6	U
32FED-1A-79	0 to 0.5	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
32FED-1A-79	0.5 to 2	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32FED-1A-79	2 to 4	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
32FED-1A-79	4 to 8	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U

Acronyms/Abbreviations:
bgs – below ground surface
PAH – polynuclear aromatic hydrocarbon

Data Qualifiers:
U – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit
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UJ – indicates the compound or analyte was analyzed for, but was not detected above the stated reporting limit; the reporting limit, in this case, is an estimated value

Table C1-15
Noncarcinogenic PAH Soil Sampling Results
for PBC-1A
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	Depth (feet)	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
32PBC-1A-1	0 to 0.5	6.3		5.6	U	5.6	U	5.6	U	1.6	J	5.6	U	2.1	J	5.6	U	3.6	J	2.1	J
32PBC-1A-1	0.5 to 2	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
32PBC-1A-1	2 to 4	6	U	6	U	1.7	J	3.5	J	21		32		6	U	6	U	13		46	
32PBC-1A-1	4 to 8	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	2.4	J	5.9	U	5.9	U	1.8	J	3	J
32PBC-1A-2	0 to 0.5	510	U	510	U	510	U	510	U	510	U	510	U	510	U	510	U	510	U	510	U
32PBC-1A-2	0.5 to 2	0.63	J	5.4	U	1.1	J	1	J	17	J	2.7	J	5.4	U	0.41	J	1.2	J	16	
32PBC-1A-2	2 to 4	0.95	J	5.4	U	5.4	U	5.4	U	24	J	1.6	J	5.4	U	0.78	J	2.3	J	10	
32PBC-1A-2	4 to 8	0.47	J	5.9	U	1.2	J	1.4	J	19	J	27		5.9	U	1.9	J	5.9		65	
32PBC-1A-3	0 to 0.5	530	U	530	U	530	U	530	U	530	U	32	J	530	U	530	U	88	J	100	J
32PBC-1A-3	0.5 to 2	550	U	550	U	550	U	550	U	550	U	550	U	550	U	550	U	550	U	550	U
32PBC-1A-3	2 to 4	560	U	560	U	560	U	560	U	560	U	560	U	560	U	560	U	560	U	560	U
32PBC-1A-3	4 to 8	0.51	J	6	U	6	U	6	U	7		7		6	U	0.79	J	1.7	J	12	
32PBC-1A-4	0 to 0.5	5.6	U	5.6	U	5.6	U	5.6	U	9.5		2.8	J	5.6	U	5.6	U	5.6	U	3.6	J
32PBC-1A-4	0.5 to 2	5.6	U	5.6	U	5.6	U	5.6	U	31		4.1	J	5.6	U	5.6	U	2.5	J	7	
32PBC-1A-4	2 to 4	5.8	U	5.8	U	5.8	U	5.8	U	15		7.6		5.8	U	5.8	U	1.9	J	11	
32PBC-1A-4	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	5.6	J	3.8	J	6.1	U	6.1	U	6.1	U	8.5	
32PBC-1A-5	0 to 0.5	0.39	J	6	U	6	U	6	U	3.1	J	6	U	6	U	6	U	6	U	0.44	J
32PBC-1A-5	0.5 to 2	0.67	J	5.7	U	5.7	U	0.88	J	4.8	J	7.5		5.7	U	0.44	J	3.7	J	8.4	
32PBC-1A-5	2 to 4	0.44	J	5.7	U	5.7	U	5.7	U	6.2		2	J	5.7	U	5.7	U	1.2	J	2.8	J
32PBC-1A-5	4 to 8	6.3	UJ	6.3	UJ	6.3	UJ	6.3	UJ	3.9	J	3.3	J	6.3	UJ	0.42	J	1.5	J	4.4	J
32PBC-1A-6	0 to 0.5	27	U	27	U	27	U	27	U	50		29		27	U	27	U	13	J	41	
32PBC-1A-6	0.5 to 2	18	J	22	J	27	U	27	U	33		25	J	35		4.7	J	19	J	59	
32PBC-1A-6	2 to 4	7.4		9.6		1.9	J	12		32		32		11		3.3	J	17		57	
32PBC-1A-7	0 to 0.5	5.4	U	5.4	U	5.4	U	2.4	J	77		18		5.4	U	5.4	U	9.6		21	
32PBC-1A-7	0.5 to 2	5.5	U	5.5	U	2.4	J	5.5	U	42		5	J	5.5	U	2.5	J	4.4	J	9.1	
32PBC-1A-7	2 to 4	5.6	U	5.6	U	5.6	U	5.6	U	12		1.9	J	5.6	U	5.6	U	2	J	3.5	J
32PBC-1A-7	4 to 8	6.1	U	4.9	J	7.2		12		260		160		2.5	J	16		43		240	
32PBC-1A-8	0 to 0.5	0.45	J	5.5	UJ	5.5	UJ	5.5	UJ	2.2	J	0.76	J	5.5	UJ	0.56	J	0.52	J	1.5	J
32PBC-1A-8	0.5 to 2	13	J	5.3	U	46	J	44		110	J	130		5.1	J	20	J	85		250	
32PBC-1A-8	4 to 8	5.5	J	6.4	UJ	3.8	J	4.5	J	16	J	17	J	6.4	UJ	3.8	J	17	J	32	J
32PBC-1A-9	0 to 0.5	0.9	J	1.9	J	5.3	U	3.1	J	19		33		5.3	U	5.3	U	18		38	
32PBC-1A-9	0.5 to 2	5.9	U	5.9	U	5.9	U	5.9	U	3.5	J	5.4	J	5.9	U	5.9	U	1.9	J	6.6	
32PBC-1A-9	2 to 4	2.1	J	8.9		5.5	U	20		22		120		9.5		4.4	J	120		110	
32PBC-1A-9	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	9.4		10		6.1	U	6.1	U	3.9	J	16	
32PBC-1A-10	0 to 0.5	1.3	J	1.5	J	5.4	U	5.4	U	9.4		6.9		1.4	J	1.3	J	5.2	J	9.9	
32PBC-1A-10	0.5 to 2	5.8	U	5.8	U	5.8	U	5.8	U	2.8	J	4.7	J	5.8	U	5.8	U	5.8	U	6.6	
32PBC-1A-10	2 to 4	6.2	U	6.2	U	6.2	U	6.2	U	3.3	J	2.8	J	6.2	U	6.2	U	6.2	U	5.5	J
32PBC-1A-10	4 to 8	6.1	U	6.1	U	6.1	U	6.1	U	7.7		6	J	6.1	U	6.1	U	6.1	U	15	

Acronyms/Abbreviations:
bgs – below ground
PAH – polynuclear aromatic hydrocarbon

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Table C1-16
Noncarcinogenic PAH Soil Sampling Results
for PBC-3
(results reported in micrograms per kilogram)

		2-Methylnapthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(g,h,i)perylene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Station ID	**Depth (feet bgs)**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**	**Value**	**Qualifier**
32PBC-3-1	0 to 0.5	36		4.9	J	3	J	7.1		39		35	J	16		22		49		63	J
32PBC-3-1	0.5 to 2	2	J	5.3	UJ	1.8	J	1.7	J	21	J	31	J	5.3	UJ	2	J	13	J	43	J
32PBC-3-1	2 to 4	32	J	5	J	2	J	4.6	J	33	J	35	J	7.9	J	15	J	31	J	78	J
32PBC-3-2	0 to 0.5	0.8	J	5.3	UJ	5.3	UJ	5.3	UJ	2.8	J	2.1	J	5.3	UJ	5.3	UJ	3.6	J	6.3	J
32PBC-3-2	0.5 to 2	1.1	J	4.5	J	9.3	J	8.1	J	96	J	150	J	3.5	J	4.7	J	80	J	190	J
32PBC-3-2	2 to 4	4.1	J	6.4	J	11	J	8.2	J	78	J	160	J	3.6	J	7	J	93	J	210	J
32PBC-3-3	0 to 0.5	6.1	UJ	6.1	UJ	6.1	UJ	6.1	UJ	11	J	15	J	6.1	UJ	6.1	UJ	7.5	J	18	J
32PBC-3-4	0 to 0.5	5.7	UJ	5.7	UJ	5.7	UJ	1.7	J	41	J	24	J	5.7	UJ	5.7	UJ	6.2	J	48	J
32PBC-3-4	0.5 to 2	1.1	J	5.4	J	5.3	J	20	J	66	J	150	J	4.2	J	7.2	J	53	J	250	J

Acronyms/Abbreviations:
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ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
Pay Item : PAH'S USING METHOD 8270C WITH SIM														
32EDC-3-1	SB	REG	0	C032C59101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0	C032C59101	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0	C032C59101	EPA 8270-M	U	ACENAPHTHYLENE	1.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0	C032C59101	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0	C032C59101	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0	C032C59101	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0	C032C59101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0	C032C59101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	54 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0	C032C59101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0	C032C59101	EPA 8270-M	U	CHRYSENE	5.3 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0	C032C59101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	16 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0	C032C59101	EPA 8270-M	U	FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0	C032C59101	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0	C032C59101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	15 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0	C032C59101	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0	C032C59101	EPA 8270-M	U	PHENANTHRENE	2.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0	C032C59101	EPA 8270-M	U	PYRENE	4.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0.5	C032C59201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0.5	C032C59201	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0.5	C032C59201	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0.5	C032C59201	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0.5	C032C59201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0.5	C032C59201	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0.5	C032C59201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0.5	C032C59201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	9.6 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0.5	C032C59201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-1	SB	REG	0.5	C032C59201	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0.5	C032C59201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0.5	C032C59201	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0.5	C032C59201	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0.5	C032C59201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0.5	C032C59201	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0.5	C032C59201	EPA 8270-M	U	PHENANTHRENE	3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	0.5	C032C59201	EPA 8270-M	U	PYRENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	2	C032C59301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	2	C032C59301	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	2	C032C59301	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	2	C032C59301	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	2	C032C59301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	2	C032C59301	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	2	C032C59301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	2	C032C59301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.5 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	2	C032C59301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	2	C032C59301	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	2	C032C59301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	2	C032C59301	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	2	C032C59301	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	2	C032C59301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.69 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	2	C032C59301	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	2	C032C59301	EPA 8270-M	U	PHENANTHRENE	4.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	2	C032C59301	EPA 8270-M	U	PYRENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	4	C032C59401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	4	C032C59401	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-1	SB	REG	4	C032C59401	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	4	C032C59401	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	4	C032C59401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	4	C032C59401	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	4	C032C59401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	4	C032C59401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	4	C032C59401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	4	C032C59401	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	4	C032C59401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	4	C032C59401	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	4	C032C59401	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	4	C032C59401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	4	C032C59401	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	4	C032C59401	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-1	SB	REG	4	C032C59401	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-10	SB	FD	4	C032C63401	EPA 8270-M	U	2-METHYLNAPHTHALENE	130 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-10	SB	FD	4	C032C63401	EPA 8270-M	U	ACENAPHTHENE	89 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-10	SB	FD	4	C032C63401	EPA 8270-M	U	ACENAPHTHYLENE	41 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-10	SB	FD	4	C032C63401	EPA 8270-M	U	ANTHRACENE	15 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-10	SB	FD	4	C032C63401	EPA 8270-M	U	BENZ(A)ANTHRACENE	27 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-10	SB	FD	4	C032C63401	EPA 8270-M	U	BENZO(A)PYRENE	23 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-10	SB	FD	4	C032C63401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	28 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-10	SB	FD	4	C032C63401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	24 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-10	SB	FD	4	C032C63401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	39 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-10	SB	FD	4	C032C63401	EPA 8270-M	U	CHRYSENE	34 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-10	SB	FD	4	C032C63401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-10	SB	FD	4	C032C63401	EPA 8270-M	U	FLUORANTHENE	140 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-10	SB	FD	4	C032C63401	EPA 8270-M	U	FLUORENE	43 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-10	SB	FD	4	C032C63401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	22 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-10	SB	FD	4	C032C63401	EPA 8270-M	U	NAPHTHALENE	110 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-10	SB	FD	4	C032C63401	EPA 8270-M	U	PHENANTHRENE	140 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-10	SB	FD	4	C032C63401	EPA 8270-M	U	PYRENE	150 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-10	SB	REG	0	C032C63001	EPA 8270-M	U	2-METHYLNAPHTHALENE	17 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0	C032C63001	EPA 8270-M	U	ACENAPHTHENE	100 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0	C032C63001	EPA 8270-M	U	ACENAPHTHYLENE	100 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0	C032C63001	EPA 8270-M	U	ANTHRACENE	8.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0	C032C63001	EPA 8270-M	U	BENZ(A)ANTHRACENE	35 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0	C032C63001	EPA 8270-M	U	BENZO(A)PYRENE	41 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0	C032C63001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	47 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0	C032C63001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	93 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0	C032C63001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	39 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0	C032C63001	EPA 8270-M	U	CHRYSENE	110 UG/KG			000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0	C032C63001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	30 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0	C032C63001	EPA 8270-M	U	FLUORANTHENE	45 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0	C032C63001	EPA 8270-M	U	FLUORENE	100 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0	C032C63001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	32 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0	C032C63001	EPA 8270-M	U	NAPHTHALENE	26 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0	C032C63001	EPA 8270-M	U	PHENANTHRENE	130 UG/KG			000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0	C032C63001	EPA 8270-M	U	PYRENE	110 UG/KG			000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0.5	C032C63101	EPA 8270-M	U	2-METHYLNAPHTHALENE	18 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0.5	C032C63101	EPA 8270-M	U	ACENAPHTHENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0.5	C032C63101	EPA 8270-M	U	ACENAPHTHYLENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0.5	C032C63101	EPA 8270-M	U	ANTHRACENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0.5	C032C63101	EPA 8270-M	U	BENZ(A)ANTHRACENE	16 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002

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Facility: ALAMEDA

Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-10	SB	REG	0.5	C032C63101	EPA 8270-M	U	BENZO(A)PYRENE	20 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0.5	C032C63101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	17 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0.5	C032C63101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	33 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0.5	C032C63101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	18 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0.5	C032C63101	EPA 8270-M	U	CHRYSENE	22 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0.5	C032C63101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0.5	C032C63101	EPA 8270-M	U	FLUORANTHENE	40 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0.5	C032C63101	EPA 8270-M	U	FLUORENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0.5	C032C63101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	20 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0.5	C032C63101	EPA 8270-M	U	NAPHTHALENE	52 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0.5	C032C63101	EPA 8270-M	U	PHENANTHRENE	30 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	0.5	C032C63101	EPA 8270-M	U	PYRENE	69 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	2	C032C63201	EPA 8270-M	U	2-METHYLNAPHTHALENE	100 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	2	C032C63201	EPA 8270-M	U	ACENAPHTHENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	2	C032C63201	EPA 8270-M	U	ACENAPHTHYLENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	2	C032C63201	EPA 8270-M	U	ANTHRACENE	14 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	2	C032C63201	EPA 8270-M	U	BENZ(A)ANTHRACENE	19 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	2	C032C63201	EPA 8270-M	U	BENZO(A)PYRENE	21 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	2	C032C63201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	18 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	2	C032C63201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	36 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	2	C032C63201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	21 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	2	C032C63201	EPA 8270-M	U	CHRYSENE	29 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	2	C032C63201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	2	C032C63201	EPA 8270-M	U	FLUORANTHENE	69 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	2	C032C63201	EPA 8270-M	U	FLUORENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	2	C032C63201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	24 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	2	C032C63201	EPA 8270-M	U	NAPHTHALENE	71 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-10	SB	REG	2	C032C63201	EPA 8270-M	U	PHENANTHRENE	84 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	2	C032C63201	EPA 8270-M	U	PYRENE	94 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	4	C032C63301	EPA 8270-M	U	2-METHYLNAPHTHALENE	760 UG/KG			000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	4	C032C63301	EPA 8270-M	U	ACENAPHTHENE	57 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	4	C032C63301	EPA 8270-M	U	ACENAPHTHYLENE	89 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	4	C032C63301	EPA 8270-M	U	ANTHRACENE	390 UG/KG			000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	4	C032C63301	EPA 8270-M	U	BENZ(A)ANTHRACENE	76 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	4	C032C63301	EPA 8270-M	U	BENZO(A)PYRENE	77 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	4	C032C63301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	63 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	4	C032C63301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	78 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	4	C032C63301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	55 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	4	C032C63301	EPA 8270-M	U	CHRYSENE	93 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	4	C032C63301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	120 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	4	C032C63301	EPA 8270-M	U	FLUORANTHENE	220 UG/KG			000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	4	C032C63301	EPA 8270-M	U	FLUORENE	66 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	4	C032C63301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	82 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	4	C032C63301	EPA 8270-M	U	NAPHTHALENE	830 UG/KG			000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	4	C032C63301	EPA 8270-M	U	PHENANTHRENE	370 UG/KG			000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-10	SB	REG	4	C032C63301	EPA 8270-M	U	PYRENE	310 UG/KG			000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-11	SB	REG	0	C032C63501	EPA 8270-M	U	2-METHYLNAPHTHALENE	21 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-11	SB	REG	0	C032C63501	EPA 8270-M	U	ACENAPHTHENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-11	SB	REG	0	C032C63501	EPA 8270-M	U	ACENAPHTHYLENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-11	SB	REG	0	C032C63501	EPA 8270-M	U	ANTHRACENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-11	SB	REG	0	C032C63501	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-11	SB	REG	0	C032C63501	EPA 8270-M	U	BENZO(A)PYRENE	53 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-11	SB	REG	0	C032C63501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-11	SB	REG	0	C032C63501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	41 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-11	SB	REG	0	C032C63501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	20 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-11	SB	REG	0	C032C63501	EPA 8270-M	U	CHRYSENE	45 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-11	SB	REG	0	C032C63501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	18 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-11	SB	REG	0	C032C63501	EPA 8270-M	U	FLUORANTHENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-11	SB	REG	0	C032C63501	EPA 8270-M	U	FLUORENE	53 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-11	SB	REG	0	C032C63501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-11	SB	REG	0	C032C63501	EPA 8270-M	U	NAPHTHALENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-11	SB	REG	0	C032C63501	EPA 8270-M	U	PHENANTHRENE	78 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-11	SB	REG	0	C032C63501	EPA 8270-M	U	PYRENE	12 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-11	SB	REG	0.5	C032C63601	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.36 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-11	SB	REG	0.5	C032C63601	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-11	SB	REG	0.5	C032C63601	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-11	SB	REG	0.5	C032C63601	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-11	SB	REG	0.5	C032C63601	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.43 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-11	SB	REG	0.5	C032C63601	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-11	SB	REG	0.5	C032C63601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-11	SB	REG	0.5	C032C63601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.73 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-11	SB	REG	0.5	C032C63601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-11	SB	REG	0.5	C032C63601	EPA 8270-M	U	CHRYSENE	1.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-11	SB	REG	0.5	C032C63601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-11	SB	REG	0.5	C032C63601	EPA 8270-M	U	FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-11	SB	REG	0.5	C032C63601	EPA 8270-M	U	FLUORENE	1.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-11	SB	REG	0.5	C032C63601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-11	SB	REG	0.5	C032C63601	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-11	SB	REG	0.5	C032C63601	EPA 8270-M	U	PHENANTHRENE	2.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-11	SB	REG	0.5	C032C63601	EPA 8270-M	U	PYRENE	1.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-11	SB	REG	2	C032C63701	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-11	SB	REG	2	C032C63701	EPA 8270-M	U	ACENAPHTHENE	6.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	2	C032C63701	EPA 8270-M	U	ACENAPHTHYLENE	6.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	2	C032C63701	EPA 8270-M	U	ANTHRACENE	6.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	2	C032C63701	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.94 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	2	C032C63701	EPA 8270-M	U	BENZO(A)PYRENE	6.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	2	C032C63701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	2	C032C63701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	2	C032C63701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	2	C032C63701	EPA 8270-M	U	CHRYSENE	0.82 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	2	C032C63701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	2	C032C63701	EPA 8270-M	U	FLUORANTHENE	0.44 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	2	C032C63701	EPA 8270-M	U	FLUORENE	6.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	2	C032C63701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.96 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	2	C032C63701	EPA 8270-M	U	NAPHTHALENE	6.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	2	C032C63701	EPA 8270-M	U	PHENANTHRENE	0.74 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	2	C032C63701	EPA 8270-M	U	PYRENE	1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	4	C032C63801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	4	C032C63801	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	4	C032C63801	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	4	C032C63801	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	4	C032C63801	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.41 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	4	C032C63801	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	4	C032C63801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	4	C032C63801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	4	C032C63801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.37 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	4	C032C63801	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	4	C032C63801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-11	SB	REG	4	C032C63801	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	D	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	4	C032C63801	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	4	C032C63801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	4	C032C63801	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	4	C032C63801	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-11	SB	REG	4	C032C63801	EPA 8270-M	U	PYRENE	0.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-12	SB	REG	0	C032C63901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-12	SB	REG	0	C032C63901	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-12	SB	REG	0	C032C63901	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-12	SB	REG	0	C032C63901	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-12	SB	REG	0	C032C63901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-12	SB	REG	0	C032C63901	EPA 8270-M	U	BENZO(A)PYRENE	11 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-12	SB	REG	0	C032C63901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	17 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-12	SB	REG	0	C032C63901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	35 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-12	SB	REG	0	C032C63901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.9 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-12	SB	REG	0	C032C63901	EPA 8270-M	U	CHRYSENE	12 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-12	SB	REG	0	C032C63901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-12	SB	REG	0	C032C63901	EPA 8270-M	U	FLUORANTHENE	10 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-12	SB	REG	0	C032C63901	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-12	SB	REG	0	C032C63901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	13 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-12	SB	REG	0	C032C63901	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-12	SB	REG	0	C032C63901	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-12	SB	REG	0	C032C63901	EPA 8270-M	U	PYRENE	16 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-12	SB	REG	0.5	C032C64001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	0.5	C032C64001	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	0.5	C032C64001	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	0.5	C032C64001	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-12	SB	REG	0.5	C032C64001	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	0.5	C032C64001	EPA 8270-M	U	BENZO(A)PYRENE	5.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	0.5	C032C64001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	0.5	C032C64001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.2 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	0.5	C032C64001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	0.5	C032C64001	EPA 8270-M	U	CHRYSENE	3.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	0.5	C032C64001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	0.5	C032C64001	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	0.5	C032C64001	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	0.5	C032C64001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	0.5	C032C64001	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	0.5	C032C64001	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	0.5	C032C64001	EPA 8270-M	U	PYRENE	8.8 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	2	C032C64101	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	2	C032C64101	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	2	C032C64101	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	2	C032C64101	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	2	C032C64101	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	2	C032C64101	EPA 8270-M	U	BENZO(A)PYRENE	9.2 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	2	C032C64101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	2	C032C64101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	12 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	2	C032C64101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	2	C032C64101	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	2	C032C64101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	2	C032C64101	EPA 8270-M	U	FLUORANTHENE	9.1 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	2	C032C64101	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	2	C032C64101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.7 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-12	SB	REG	2	C032C64101	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	2	C032C64101	EPA 8270-M	U	PHENANTHRENE	2.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	2	C032C64101	EPA 8270-M	U	PYRENE	15 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	4	C032C64201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	4	C032C64201	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	4	C032C64201	EPA 8270-M	U	ACENAPHTHYLENE	4.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	4	C032C64201	EPA 8270-M	U	ANTHRACENE	9.8 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	4	C032C64201	EPA 8270-M	U	BENZ(A)ANTHRACENE	82 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	4	C032C64201	EPA 8270-M	U	BENZO(A)PYRENE	190 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	4	C032C64201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	110 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	4	C032C64201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	150 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	4	C032C64201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	110 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	4	C032C64201	EPA 8270-M	U	CHRYSENE	100 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	4	C032C64201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	14 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	4	C032C64201	EPA 8270-M	U	FLUORANTHENE	140 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	4	C032C64201	EPA 8270-M	U	FLUORENE	1.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	4	C032C64201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	130 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	4	C032C64201	EPA 8270-M	U	NAPHTHALENE	10 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	4	C032C64201	EPA 8270-M	U	PHENANTHRENE	21 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-12	SB	REG	4	C032C64201	EPA 8270-M	U	PYRENE	320 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-13	SB	FD	0.5	C032C64501	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	FD	0.5	C032C64501	EPA 8270-M	U	ACENAPHTHENE	1.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	FD	0.5	C032C64501	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	FD	0.5	C032C64501	EPA 8270-M	U	ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	FD	0.5	C032C64501	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	FD	0.5	C032C64501	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	FD	0.5	C032C64501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-13	SB	FD	0.5	C032C64501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	21 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	FD	0.5	C032C64501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	FD	0.5	C032C64501	EPA 8270-M	U	CHRYSENE	6.7 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	FD	0.5	C032C64501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	FD	0.5	C032C64501	EPA 8270-M	U	FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	FD	0.5	C032C64501	EPA 8270-M	U	FLUORENE	1.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	FD	0.5	C032C64501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	FD	0.5	C032C64501	EPA 8270-M	U	NAPHTHALENE	0.96 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	FD	0.5	C032C64501	EPA 8270-M	U	PHENANTHRENE	1.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	FD	0.5	C032C64501	EPA 8270-M	U	PYRENE	3.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	0	C032C64301	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.73 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-13	SB	REG	0	C032C64301	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-13	SB	REG	0	C032C64301	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-13	SB	REG	0	C032C64301	EPA 8270-M	U	ANTHRACENE	1.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-13	SB	REG	0	C032C64301	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-13	SB	REG	0	C032C64301	EPA 8270-M	U	BENZO(A)PYRENE	4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-13	SB	REG	0	C032C64301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-13	SB	REG	0	C032C64301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	11 UG/KG			000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-13	SB	REG	0	C032C64301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-13	SB	REG	0	C032C64301	EPA 8270-M	U	CHRYSENE	4.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-13	SB	REG	0	C032C64301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-13	SB	REG	0	C032C64301	EPA 8270-M	U	FLUORANTHENE	3.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-13	SB	REG	0	C032C64301	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-13	SB	REG	0	C032C64301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-13	SB	REG	0	C032C64301	EPA 8270-M	U	NAPHTHALENE	0.49 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-13	SB	REG	0	C032C64301	EPA 8270-M	U	PHENANTHRENE	2.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-13	SB	REG	0	C032C64301	EPA 8270-M	U	PYRENE	4.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002

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Facility: ALAMEDA

Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-13	SB	REG	0.5	C032C64401	EPA 8270-M	U	2-METHYLNAPHTHALENE	2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	0.5	C032C64401	EPA 8270-M	U	ACENAPHTHENE	1.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	0.5	C032C64401	EPA 8270-M	U	ACENAPHTHYLENE	1.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	0.5	C032C64401	EPA 8270-M	U	ANTHRACENE	2.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	0.5	C032C64401	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	0.5	C032C64401	EPA 8270-M	U	BENZO(A)PYRENE	6.4 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	0.5	C032C64401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.8 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	0.5	C032C64401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	16 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	0.5	C032C64401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	0.5	C032C64401	EPA 8270-M	U	CHRYSENE	8.8 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	0.5	C032C64401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	0.5	C032C64401	EPA 8270-M	U	FLUORANTHENE	6.3 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	0.5	C032C64401	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	0.5	C032C64401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	0.5	C032C64401	EPA 8270-M	U	NAPHTHALENE	2.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	0.5	C032C64401	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	0.5	C032C64401	EPA 8270-M	U	PYRENE	8.4 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	2	C032C64601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-13	SB	REG	2	C032C64601	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-13	SB	REG	2	C032C64601	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-13	SB	REG	2	C032C64601	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-13	SB	REG	2	C032C64601	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-13	SB	REG	2	C032C64601	EPA 8270-M	U	BENZO(A)PYRENE	2.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-13	SB	REG	2	C032C64601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-13	SB	REG	2	C032C64601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-13	SB	REG	2	C032C64601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-13	SB	REG	2	C032C64601	EPA 8270-M	U	CHRYSENE	1.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/2/2002

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-13	SB	REG	2	C032C64601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-13	SB	REG	2	C032C64601	EPA 8270-M	U	FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-13	SB	REG	2	C032C64601	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-13	SB	REG	2	C032C64601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-13	SB	REG	2	C032C64601	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-13	SB	REG	2	C032C64601	EPA 8270-M	U	PHENANTHRENE	0.66 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-13	SB	REG	2	C032C64601	EPA 8270-M	U	PYRENE	2.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/2/2002
32EDC-3-13	SB	REG	4	C032C64701	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.4 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	4	C032C64701	EPA 8270-M	U	ACENAPHTHENE	6.4 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	4	C032C64701	EPA 8270-M	U	ACENAPHTHYLENE	6.4 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	4	C032C64701	EPA 8270-M	U	ANTHRACENE	6.4 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	4	C032C64701	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.74 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	4	C032C64701	EPA 8270-M	U	BENZO(A)PYRENE	0.75 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	4	C032C64701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.71 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	4	C032C64701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	4	C032C64701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.57 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	4	C032C64701	EPA 8270-M	U	CHRYSENE	0.77 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	4	C032C64701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.4 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	4	C032C64701	EPA 8270-M	U	FLUORANTHENE	0.65 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	4	C032C64701	EPA 8270-M	U	FLUORENE	6.4 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	4	C032C64701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.71 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	4	C032C64701	EPA 8270-M	U	NAPHTHALENE	6.4 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	4	C032C64701	EPA 8270-M	U	PHENANTHRENE	6.4 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-13	SB	REG	4	C032C64701	EPA 8270-M	U	PYRENE	1.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-14	SB	REG	0	C032C64801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	0	C032C64801	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	0	C032C64801	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-14	SB	REG	0	C032C64801	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	0	C032C64801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	0	C032C64801	EPA 8270-M	U	BENZO(A)PYRENE	8.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	0	C032C64801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.3 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	0	C032C64801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	44 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	0	C032C64801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	0	C032C64801	EPA 8270-M	U	CHRYSENE	14 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	0	C032C64801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	0	C032C64801	EPA 8270-M	U	FLUORANTHENE	9.5 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	0	C032C64801	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	0	C032C64801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	0	C032C64801	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	0	C032C64801	EPA 8270-M	U	PHENANTHRENE	3.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	0	C032C64801	EPA 8270-M	U	PYRENE	14 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	0.5	C032C64901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	0.5	C032C64901	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	0.5	C032C64901	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	0.5	C032C64901	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	0.5	C032C64901	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	0.5	C032C64901	EPA 8270-M	U	BENZO(A)PYRENE	6.3 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	0.5	C032C64901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	0.5	C032C64901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	9.2 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	0.5	C032C64901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	0.5	C032C64901	EPA 8270-M	U	CHRYSENE	8.1 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	0.5	C032C64901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	0.5	C032C64901	EPA 8270-M	U	FLUORANTHENE	7.5 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	0.5	C032C64901	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-14	SB	REG	0.5	C032C64901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	0.5	C032C64901	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	0.5	C032C64901	EPA 8270-M	U	PHENANTHRENE	2.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	0.5	C032C64901	EPA 8270-M	U	PYRENE	11 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	2	C032C65001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	2	C032C65001	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	2	C032C65001	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	2	C032C65001	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	2	C032C65001	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	2	C032C65001	EPA 8270-M	U	BENZO(A)PYRENE	4.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	2	C032C65001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	2	C032C65001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	9.4 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	2	C032C65001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	2	C032C65001	EPA 8270-M	U	CHRYSENE	8.4 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	2	C032C65001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	2	C032C65001	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	2	C032C65001	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	2	C032C65001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	2	C032C65001	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	2	C032C65001	EPA 8270-M	U	PHENANTHRENE	4.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	2	C032C65001	EPA 8270-M	U	PYRENE	9.8 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-14	SB	REG	4	C032C65101	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	4	C032C65101	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	4	C032C65101	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	4	C032C65101	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	4	C032C65101	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	4	C032C65101	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002

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Facility: ALAMEDA

Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-14	SB	REG	4	C032C65101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	4	C032C65101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	4	C032C65101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	4	C032C65101	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	4	C032C65101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	4	C032C65101	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	4	C032C65101	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	4	C032C65101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.64 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	4	C032C65101	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	4	C032C65101	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-14	SB	REG	4	C032C65101	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-15	SB	FD	4	C032C65601	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	FD	4	C032C65601	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	FD	4	C032C65601	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	FD	4	C032C65601	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	FD	4	C032C65601	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	FD	4	C032C65601	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	FD	4	C032C65601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	FD	4	C032C65601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	FD	4	C032C65601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	FD	4	C032C65601	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	FD	4	C032C65601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	FD	4	C032C65601	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	FD	4	C032C65601	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	FD	4	C032C65601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	FD	4	C032C65601	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	FD	4	C032C65601	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-15	SB	FD	4	C032C65601	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0	C032C65201	EPA 8270-M	U	2-METHYLNAPHTHALENE	61 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0	C032C65201	EPA 8270-M	U	ACENAPHTHENE	4.1 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0	C032C65201	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0	C032C65201	EPA 8270-M	U	ANTHRACENE	3.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0	C032C65201	EPA 8270-M	U	BENZ(A)ANTHRACENE	15 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0	C032C65201	EPA 8270-M	U	BENZO(A)PYRENE	12 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0	C032C65201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	22 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0	C032C65201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	42 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0	C032C65201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0	C032C65201	EPA 8270-M	U	CHRYSENE	51 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0	C032C65201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	13 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0	C032C65201	EPA 8270-M	U	FLUORANTHENE	6.4 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0	C032C65201	EPA 8270-M	U	FLUORENE	15 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0	C032C65201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0	C032C65201	EPA 8270-M	U	NAPHTHALENE	19 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0	C032C65201	EPA 8270-M	U	PHENANTHRENE	67 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0	C032C65201	EPA 8270-M	U	PYRENE	19 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0.5	C032C65301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0.5	C032C65301	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0.5	C032C65301	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0.5	C032C65301	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0.5	C032C65301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0.5	C032C65301	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0.5	C032C65301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0.5	C032C65301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0.5	C032C65301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-15	SB	REG	0.5	C032C65301	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0.5	C032C65301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0.5	C032C65301	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0.5	C032C65301	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0.5	C032C65301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0.5	C032C65301	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0.5	C032C65301	EPA 8270-M	U	PHENANTHRENE	2.5 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	0.5	C032C65301	EPA 8270-M	U	PYRENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	2	C032C65401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	2	C032C65401	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	2	C032C65401	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	2	C032C65401	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	2	C032C65401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	2	C032C65401	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	2	C032C65401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	2	C032C65401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	2	C032C65401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	2	C032C65401	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	2	C032C65401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	2	C032C65401	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	2	C032C65401	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	2	C032C65401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	2	C032C65401	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	2	C032C65401	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	2	C032C65401	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	4	C032C65501	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	4	C032C65501	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-15	SB	REG	4	C032C65501	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	4	C032C65501	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	4	C032C65501	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	4	C032C65501	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	4	C032C65501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	4	C032C65501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	4	C032C65501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	4	C032C65501	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	4	C032C65501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	4	C032C65501	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	4	C032C65501	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	4	C032C65501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	4	C032C65501	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	4	C032C65501	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-15	SB	REG	4	C032C65501	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-16	SB	REG	0	C032C65701	EPA 8270-M	U	2-METHYLNAPHTHALENE	30 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-16	SB	REG	0	C032C65701	EPA 8270-M	U	ACENAPHTHENE	3.3 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-16	SB	REG	0	C032C65701	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-16	SB	REG	0	C032C65701	EPA 8270-M	U	ANTHRACENE	2 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-16	SB	REG	0	C032C65701	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-16	SB	REG	0	C032C65701	EPA 8270-M	U	BENZO(A)PYRENE	10 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-16	SB	REG	0	C032C65701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	13 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-16	SB	REG	0	C032C65701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	20 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-16	SB	REG	0	C032C65701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.1 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-16	SB	REG	0	C032C65701	EPA 8270-M	U	CHRYSENE	49 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-16	SB	REG	0	C032C65701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	12 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-16	SB	REG	0	C032C65701	EPA 8270-M	U	FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-16	SB	REG	0	C032C65701	EPA 8270-M	U	FLUORENE	15 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-16	SB	REG	0	C032C65701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	23 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-16	SB	REG	0	C032C65701	EPA 8270-M	U	NAPHTHALENE	26 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-16	SB	REG	0	C032C65701	EPA 8270-M	U	PHENANTHRENE	38 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-16	SB	REG	0	C032C65701	EPA 8270-M	U	PYRENE	9.9 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-16	SB	REG	0.5	C032C65801	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.36 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	0.5	C032C65801	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	0.5	C032C65801	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	0.5	C032C65801	EPA 8270-M	U	ANTHRACENE	0.64 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	0.5	C032C65801	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.6 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	0.5	C032C65801	EPA 8270-M	U	BENZO(A)PYRENE	11 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	0.5	C032C65801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.9 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	0.5	C032C65801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.1 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	0.5	C032C65801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.9 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	0.5	C032C65801	EPA 8270-M	U	CHRYSENE	5 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	0.5	C032C65801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.84 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	0.5	C032C65801	EPA 8270-M	U	FLUORANTHENE	15 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	0.5	C032C65801	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	0.5	C032C65801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.7 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	0.5	C032C65801	EPA 8270-M	U	NAPHTHALENE	0.52 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	0.5	C032C65801	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	0.5	C032C65801	EPA 8270-M	U	PYRENE	19 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	2	C032C65901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	2	C032C65901	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	2	C032C65901	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	2	C032C65901	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	2	C032C65901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-16	SB	REG	2	C032C65901	EPA 8270-M	U	BENZO(A)PYRENE	1.5 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	2	C032C65901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	UJ	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	2	C032C65901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.48 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	2	C032C65901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.49 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	2	C032C65901	EPA 8270-M	U	CHRYSENE	0.49 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	2	C032C65901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	2	C032C65901	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	2	C032C65901	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	2	C032C65901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.61 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	2	C032C65901	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	2	C032C65901	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	2	C032C65901	EPA 8270-M	U	PYRENE	0.48 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	4	C032C66001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	4	C032C66001	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	4	C032C66001	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	4	C032C66001	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	4	C032C66001	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	4	C032C66001	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	4	C032C66001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	4	C032C66001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	4	C032C66001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	4	C032C66001	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	4	C032C66001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	4	C032C66001	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	4	C032C66001	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	4	C032C66001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	4	C032C66001	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-16	SB	REG	4	C032C66001	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-16	SB	REG	4	C032C66001	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-17	SB	REG	0	C032C66101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0	C032C66101	EPA 8270-M	U	ACENAPHTHENE	2.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0	C032C66101	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0	C032C66101	EPA 8270-M	U	ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0	C032C66101	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0	C032C66101	EPA 8270-M	U	BENZO(A)PYRENE	7.9 UG/KG			000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0	C032C66101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0	C032C66101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	16 UG/KG			000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0	C032C66101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0	C032C66101	EPA 8270-M	U	CHRYSENE	15 UG/KG			000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0	C032C66101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG			000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0	C032C66101	EPA 8270-M	U	FLUORANTHENE	5.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0	C032C66101	EPA 8270-M	U	FLUORENE	4.1 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0	C032C66101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.5 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0	C032C66101	EPA 8270-M	U	NAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0	C032C66101	EPA 8270-M	U	PHENANTHRENE	4.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0	C032C66101	EPA 8270-M	U	PYRENE	4.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0.5	C032C66201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0.5	C032C66201	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0.5	C032C66201	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0.5	C032C66201	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0.5	C032C66201	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.6 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0.5	C032C66201	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG			000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0.5	C032C66201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0.5	C032C66201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.1 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/25/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-17	SB	REG	0.5	C032C66201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0.5	C032C66201	EPA 8270-M	U	CHRYSENE	4.5 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0.5	C032C66201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0.5	C032C66201	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0.5	C032C66201	EPA 8270-M	U	FLUORENE	1.5 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0.5	C032C66201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0.5	C032C66201	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0.5	C032C66201	EPA 8270-M	U	PHENANTHRENE	1.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	0.5	C032C66201	EPA 8270-M	U	PYRENE	3.2 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/25/2002
32EDC-3-17	SB	REG	2	C032C66301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	2	C032C66301	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	2	C032C66301	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	2	C032C66301	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	2	C032C66301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	2	C032C66301	EPA 8270-M	U	BENZO(A)PYRENE	1.9 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	2	C032C66301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	2	C032C66301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	2	C032C66301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	2	C032C66301	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	2	C032C66301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	2	C032C66301	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	2	C032C66301	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	2	C032C66301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	2	C032C66301	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	2	C032C66301	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	2	C032C66301	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-17	SB	REG	4	C032C66401	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-18	SB	FD	0.5	C032C66701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	FD	0.5	C032C66701	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	FD	0.5	C032C66701	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	FD	0.5	C032C66701	EPA 8270-M	U	ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	FD	0.5	C032C66701	EPA 8270-M	U	BENZ(A)ANTHRACENE	25 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	FD	0.5	C032C66701	EPA 8270-M	U	BENZO(A)PYRENE	27 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	FD	0.5	C032C66701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	25 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	FD	0.5	C032C66701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	12 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	FD	0.5	C032C66701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	26 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	FD	0.5	C032C66701	EPA 8270-M	U	CHRYSENE	29 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	FD	0.5	C032C66701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.2 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	FD	0.5	C032C66701	EPA 8270-M	U	FLUORANTHENE	31 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	FD	0.5	C032C66701	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	FD	0.5	C032C66701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	9.6 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	FD	0.5	C032C66701	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	FD	0.5	C032C66701	EPA 8270-M	U	PHENANTHRENE	14 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	FD	0.5	C032C66701	EPA 8270-M	U	PYRENE	43 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0	C032C66501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0	C032C66501	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0	C032C66501	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0	C032C66501	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-18	SB	REG	0	C032C66501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0	C032C66501	EPA 8270-M	U	BENZO(A)PYRENE	2.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0	C032C66501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.4 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0	C032C66501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.5 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0	C032C66501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0	C032C66501	EPA 8270-M	U	CHRYSENE	1.8 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0	C032C66501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0	C032C66501	EPA 8270-M	U	FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0	C032C66501	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0	C032C66501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.5 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0	C032C66501	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0	C032C66501	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0	C032C66501	EPA 8270-M	U	PYRENE	2.7 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.7 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	BENZO(A)PYRENE	3.7 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	CHRYSENE	3.4 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	FLUORANTHENE	3.4 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.9 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	PHENANTHRENE	1.6 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	PYRENE	4.8 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	BENZO(A)PYRENE	2.6 UG/KG	J	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.3 UG/KG	J	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.3 UG/KG	J	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.7 UG/KG	J	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	CHRYSENE	2.2 UG/KG	J	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	FLUORANTHENE	2.4 UG/KG	J	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.6 UG/KG	J	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-18	SB	REG	0.5	C032C66601	EPA 8270-M	U	PYRENE	3.2 UG/KG	J	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-3-18	SB	REG	2	C032C66801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	2	C032C66801	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	2	C032C66801	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	2	C032C66801	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	2	C032C66801	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	2	C032C66801	EPA 8270-M	U	BENZO(A)PYRENE	3.8 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	2	C032C66801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.4 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-18	SB	REG	2	C032C66801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	2	C032C66801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	2	C032C66801	EPA 8270-M	U	CHRYSENE	2.9 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	2	C032C66801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	2	C032C66801	EPA 8270-M	U	FLUORANTHENE	3.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	2	C032C66801	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	2	C032C66801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.2 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	2	C032C66801	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	2	C032C66801	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	2	C032C66801	EPA 8270-M	U	PYRENE	6.5 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	4	C032C66901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	4	C032C66901	EPA 8270-M	U	ACENAPHTHENE	6.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	4	C032C66901	EPA 8270-M	U	ACENAPHTHYLENE	6.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	4	C032C66901	EPA 8270-M	U	ANTHRACENE	6.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	4	C032C66901	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.9 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	4	C032C66901	EPA 8270-M	U	BENZO(A)PYRENE	21 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	4	C032C66901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	18 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	4	C032C66901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	15 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	4	C032C66901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.4 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	4	C032C66901	EPA 8270-M	U	CHRYSENE	8.9 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	4	C032C66901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	4	C032C66901	EPA 8270-M	U	FLUORANTHENE	12 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	4	C032C66901	EPA 8270-M	U	FLUORENE	6.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	4	C032C66901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	10 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	4	C032C66901	EPA 8270-M	U	NAPHTHALENE	6.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	4	C032C66901	EPA 8270-M	U	PHENANTHRENE	2.6 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-3-18	SB	REG	4	C032C66901	EPA 8270-M	U	PYRENE	41 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-19	SB	REG	0	C032C67001	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.2 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0	C032C67001	EPA 8270-M	U	ACENAPHTHENE	1.5 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0	C032C67001	EPA 8270-M	U	ACENAPHTHYLENE	3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0	C032C67001	EPA 8270-M	U	ANTHRACENE	8.7 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0	C032C67001	EPA 8270-M	U	BENZ(A)ANTHRACENE	31 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0	C032C67001	EPA 8270-M	U	BENZO(A)PYRENE	37 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0	C032C67001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	27 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0	C032C67001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	31 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0	C032C67001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	28 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0	C032C67001	EPA 8270-M	U	CHRYSENE	44 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0	C032C67001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0	C032C67001	EPA 8270-M	U	FLUORANTHENE	53 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0	C032C67001	EPA 8270-M	U	FLUORENE	2.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0	C032C67001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	25 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0	C032C67001	EPA 8270-M	U	NAPHTHALENE	4.4 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0	C032C67001	EPA 8270-M	U	PHENANTHRENE	31 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0	C032C67001	EPA 8270-M	U	PYRENE	74 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0.5	C032C67101	EPA 8270-M	U	2-METHYLNAPHTHALENE	10 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0.5	C032C67101	EPA 8270-M	U	ACENAPHTHENE	4.2 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0.5	C032C67101	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0.5	C032C67101	EPA 8270-M	U	ANTHRACENE	20 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0.5	C032C67101	EPA 8270-M	U	BENZ(A)ANTHRACENE	57 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0.5	C032C67101	EPA 8270-M	U	BENZO(A)PYRENE	60 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0.5	C032C67101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	54 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0.5	C032C67101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	56 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0.5	C032C67101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	36 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0.5	C032C67101	EPA 8270-M	U	CHRYSENE	140 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-19	SB	REG	0.5	C032C67101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	16 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0.5	C032C67101	EPA 8270-M	U	FLUORANTHENE	90 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0.5	C032C67101	EPA 8270-M	U	FLUORENE	7.4 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0.5	C032C67101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	37 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0.5	C032C67101	EPA 8270-M	U	NAPHTHALENE	7.4 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0.5	C032C67101	EPA 8270-M	U	PHENANTHRENE	66 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	0.5	C032C67101	EPA 8270-M	U	PYRENE	120 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	2	C032C67201	EPA 8270-M	U	2-METHYLNAPHTHALENE	9.5 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	2	C032C67201	EPA 8270-M	U	ACENAPHTHENE	14 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	2	C032C67201	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	2	C032C67201	EPA 8270-M	U	ANTHRACENE	45 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	2	C032C67201	EPA 8270-M	U	BENZ(A)ANTHRACENE	190 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	2	C032C67201	EPA 8270-M	U	BENZO(A)PYRENE	180 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	2	C032C67201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	130 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	2	C032C67201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	96 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	2	C032C67201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	130 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	2	C032C67201	EPA 8270-M	U	CHRYSENE	210 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	2	C032C67201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	19 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	2	C032C67201	EPA 8270-M	U	FLUORANTHENE	340 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	2	C032C67201	EPA 8270-M	U	FLUORENE	18 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	2	C032C67201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	100 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	2	C032C67201	EPA 8270-M	U	NAPHTHALENE	7.4 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	2	C032C67201	EPA 8270-M	U	PHENANTHRENE	150 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	2	C032C67201	EPA 8270-M	U	PYRENE	350 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	4	C032C67301	EPA 8270-M	U	2-METHYLNAPHTHALENE	7 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	4	C032C67301	EPA 8270-M	U	ACENAPHTHENE	3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	4	C032C67301	EPA 8270-M	U	ACENAPHTHYLENE	4.1 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-19	SB	REG	4	C032C67301	EPA 8270-M	U	ANTHRACENE	17 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	4	C032C67301	EPA 8270-M	U	BENZ(A)ANTHRACENE	39 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	4	C032C67301	EPA 8270-M	U	BENZO(A)PYRENE	46 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	4	C032C67301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	28 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	4	C032C67301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	33 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	4	C032C67301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	28 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	4	C032C67301	EPA 8270-M	U	CHRYSENE	56 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	4	C032C67301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.7 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	4	C032C67301	EPA 8270-M	U	FLUORANTHENE	85 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	4	C032C67301	EPA 8270-M	U	FLUORENE	4.8 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	4	C032C67301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	28 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	4	C032C67301	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	4	C032C67301	EPA 8270-M	U	PHENANTHRENE	48 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-19	SB	REG	4	C032C67301	EPA 8270-M	U	PYRENE	110 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-2	SB	REG	0	C032C59501	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.71 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0	C032C59501	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0	C032C59501	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0	C032C59501	EPA 8270-M	U	ANTHRACENE	0.99 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0	C032C59501	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0	C032C59501	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0	C032C59501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0	C032C59501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0	C032C59501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0	C032C59501	EPA 8270-M	U	CHRYSENE	28 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0	C032C59501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0	C032C59501	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0	C032C59501	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-2	SB	REG	0	C032C59501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0	C032C59501	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0	C032C59501	EPA 8270-M	U	PHENANTHRENE	3.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0	C032C59501	EPA 8270-M	U	PYRENE	10 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0.5	C032C59601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0.5	C032C59601	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0.5	C032C59601	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0.5	C032C59601	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0.5	C032C59601	EPA 8270-M	U	BENZ(A)ANTHRACENE	2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0.5	C032C59601	EPA 8270-M	U	BENZO(A)PYRENE	1.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0.5	C032C59601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0.5	C032C59601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.1 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0.5	C032C59601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0.5	C032C59601	EPA 8270-M	U	CHRYSENE	12 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0.5	C032C59601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0.5	C032C59601	EPA 8270-M	U	FLUORANTHENE	0.37 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0.5	C032C59601	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0.5	C032C59601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0.5	C032C59601	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0.5	C032C59601	EPA 8270-M	U	PHENANTHRENE	0.86 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	0.5	C032C59601	EPA 8270-M	U	PYRENE	4.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	2	C032C59701	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.34 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	2	C032C59701	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	2	C032C59701	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	2	C032C59701	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	2	C032C59701	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.84 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	2	C032C59701	EPA 8270-M	U	BENZO(A)PYRENE	0.97 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-2	SB	REG	2	C032C59701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	2	C032C59701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	2	C032C59701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.62 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	2	C032C59701	EPA 8270-M	U	CHRYSENE	3.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	2	C032C59701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	2	C032C59701	EPA 8270-M	U	FLUORANTHENE	0.59 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	2	C032C59701	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	2	C032C59701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	2	C032C59701	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	2	C032C59701	EPA 8270-M	U	PHENANTHRENE	0.46 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	2	C032C59701	EPA 8270-M	U	PYRENE	1.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	4	C032C59801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	4	C032C59801	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	4	C032C59801	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	4	C032C59801	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	4	C032C59801	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.43 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	4	C032C59801	EPA 8270-M	U	BENZO(A)PYRENE	0.64 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	4	C032C59801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.88 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	4	C032C59801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	4	C032C59801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.47 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	4	C032C59801	EPA 8270-M	U	CHRYSENE	0.48 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	4	C032C59801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	4	C032C59801	EPA 8270-M	U	FLUORANTHENE	1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	4	C032C59801	EPA 8270-M	U	FLUORENE	6 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	4	C032C59801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.73 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	4	C032C59801	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-2	SB	REG	4	C032C59801	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-2	SB	REG	4	C032C59801	EPA 8270-M	U	PYRENE	1.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-20	SB	FD	4	C032C67801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	FD	4	C032C67801	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	FD	4	C032C67801	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	FD	4	C032C67801	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	FD	4	C032C67801	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	FD	4	C032C67801	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	FD	4	C032C67801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	FD	4	C032C67801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	FD	4	C032C67801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	FD	4	C032C67801	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	FD	4	C032C67801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	FD	4	C032C67801	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	FD	4	C032C67801	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	FD	4	C032C67801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	FD	4	C032C67801	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	FD	4	C032C67801	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	FD	4	C032C67801	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0	C032C67401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0	C032C67401	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0	C032C67401	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0	C032C67401	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0	C032C67401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0	C032C67401	EPA 8270-M	U	BENZO(A)PYRENE	8.8 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0	C032C67401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	11 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0	C032C67401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	29 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0	C032C67401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.7 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-20	SB	REG	0	C032C67401	EPA 8270-M	U	CHRYSENE	29 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0	C032C67401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.1 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0	C032C67401	EPA 8270-M	U	FLUORANTHENE	6.6 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0	C032C67401	EPA 8270-M	U	FLUORENE	1.4 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0	C032C67401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0	C032C67401	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0	C032C67401	EPA 8270-M	U	PHENANTHRENE	4.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0	C032C67401	EPA 8270-M	U	PYRENE	12 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0.5	C032C67501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0.5	C032C67501	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0.5	C032C67501	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0.5	C032C67501	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0.5	C032C67501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0.5	C032C67501	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0.5	C032C67501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0.5	C032C67501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.4 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0.5	C032C67501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0.5	C032C67501	EPA 8270-M	U	CHRYSENE	2.1 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0.5	C032C67501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0.5	C032C67501	EPA 8270-M	U	FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0.5	C032C67501	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0.5	C032C67501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.5 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0.5	C032C67501	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0.5	C032C67501	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	0.5	C032C67501	EPA 8270-M	U	PYRENE	2.6 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	2	C032C67601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	2	C032C67601	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-20	SB	REG	2	C032C67601	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	2	C032C67601	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	2	C032C67601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	2	C032C67601	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	2	C032C67601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	2	C032C67601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	2	C032C67601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	2	C032C67601	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	2	C032C67601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	2	C032C67601	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	2	C032C67601	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	2	C032C67601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	2	C032C67601	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	2	C032C67601	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	2	C032C67601	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	4	C032C67701	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	4	C032C67701	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	4	C032C67701	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	4	C032C67701	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	4	C032C67701	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	4	C032C67701	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	4	C032C67701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	4	C032C67701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	4	C032C67701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	4	C032C67701	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	4	C032C67701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	4	C032C67701	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-20	SB	REG	4	C032C67701	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	4	C032C67701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	4	C032C67701	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	4	C032C67701	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-20	SB	REG	4	C032C67701	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	0	C032C67901	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.1 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-21	SB	REG	0	C032C67901	EPA 8270-M	U	ACENAPHTHENE	1.9 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-21	SB	REG	0	C032C67901	EPA 8270-M	U	ACENAPHTHYLENE	1 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-21	SB	REG	0	C032C67901	EPA 8270-M	U	ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-21	SB	REG	0	C032C67901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-21	SB	REG	0	C032C67901	EPA 8270-M	U	BENZO(A)PYRENE	16 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-21	SB	REG	0	C032C67901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	19 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-21	SB	REG	0	C032C67901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.5 UG/KG	U	UJ	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-21	SB	REG	0	C032C67901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	17 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-21	SB	REG	0	C032C67901	EPA 8270-M	U	CHRYSENE	27 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-21	SB	REG	0	C032C67901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	UJ	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-21	SB	REG	0	C032C67901	EPA 8270-M	U	FLUORANTHENE	20 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-21	SB	REG	0	C032C67901	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-21	SB	REG	0	C032C67901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.5 UG/KG	U	UJ	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-21	SB	REG	0	C032C67901	EPA 8270-M	U	NAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-21	SB	REG	0	C032C67901	EPA 8270-M	U	PHENANTHRENE	12 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-21	SB	REG	0	C032C67901	EPA 8270-M	U	PYRENE	18 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-21	SB	REG	0.5	C032C68001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	0.5	C032C68001	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	0.5	C032C68001	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	0.5	C032C68001	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	0.5	C032C68001	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.9 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-21	SB	REG	0.5	C032C68001	EPA 8270-M	U	BENZO(A)PYRENE	8.6 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	0.5	C032C68001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.5 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	0.5	C032C68001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	17 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	0.5	C032C68001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	0.5	C032C68001	EPA 8270-M	U	CHRYSENE	8.3 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	0.5	C032C68001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	0.5	C032C68001	EPA 8270-M	U	FLUORANTHENE	13 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	0.5	C032C68001	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	0.5	C032C68001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	9.6 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	0.5	C032C68001	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	0.5	C032C68001	EPA 8270-M	U	PHENANTHRENE	4 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	0.5	C032C68001	EPA 8270-M	U	PYRENE	14 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	2	C032C68101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	2	C032C68101	EPA 8270-M	U	ACENAPHTHENE	1.7 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	2	C032C68101	EPA 8270-M	U	ACENAPHTHYLENE	3.7 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	2	C032C68101	EPA 8270-M	U	ANTHRACENE	6.7 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	2	C032C68101	EPA 8270-M	U	BENZ(A)ANTHRACENE	62 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	2	C032C68101	EPA 8270-M	U	BENZO(A)PYRENE	130 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	2	C032C68101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	93 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	2	C032C68101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	170 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	2	C032C68101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	73 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	2	C032C68101	EPA 8270-M	U	CHRYSENE	88 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	2	C032C68101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	15 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	2	C032C68101	EPA 8270-M	U	FLUORANTHENE	170 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	2	C032C68101	EPA 8270-M	U	FLUORENE	1.4 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	2	C032C68101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	140 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	2	C032C68101	EPA 8270-M	U	NAPHTHALENE	4.4 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-21	SB	REG	2	C032C68101	EPA 8270-M	U	PHENANTHRENE	37 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	2	C032C68101	EPA 8270-M	U	PYRENE	220 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	4	C032C68201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	4	C032C68201	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	4	C032C68201	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	4	C032C68201	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	4	C032C68201	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	4	C032C68201	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	4	C032C68201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	4	C032C68201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	4	C032C68201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	4	C032C68201	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	4	C032C68201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	4	C032C68201	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	4	C032C68201	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	4	C032C68201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.68 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	4	C032C68201	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	4	C032C68201	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-21	SB	REG	4	C032C68201	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-3-22	SB	REG	0	C032C68301	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.9 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0	C032C68301	EPA 8270-M	U	ACENAPHTHENE	1 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0	C032C68301	EPA 8270-M	U	ACENAPHTHYLENE	1.7 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0	C032C68301	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0	C032C68301	EPA 8270-M	U	BENZ(A)ANTHRACENE	16 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0	C032C68301	EPA 8270-M	U	BENZO(A)PYRENE	16 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0	C032C68301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.1 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0	C032C68301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	23 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/28/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-22	SB	REG	0	C032C68301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9.9 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0	C032C68301	EPA 8270-M	U	CHRYSENE	64 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0	C032C68301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	17 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0	C032C68301	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0	C032C68301	EPA 8270-M	U	FLUORENE	2.1 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0	C032C68301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	16 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0	C032C68301	EPA 8270-M	U	NAPHTHALENE	1 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0	C032C68301	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0	C032C68301	EPA 8270-M	U	PYRENE	27 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0.5	C032C68401	EPA 8270-M	U	2-METHYLNAPHTHALENE	13 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0.5	C032C68401	EPA 8270-M	U	ACENAPHTHENE	2.3 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0.5	C032C68401	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0.5	C032C68401	EPA 8270-M	U	ANTHRACENE	1.5 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0.5	C032C68401	EPA 8270-M	U	BENZ(A)ANTHRACENE	10 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0.5	C032C68401	EPA 8270-M	U	BENZO(A)PYRENE	19 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0.5	C032C68401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.5 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0.5	C032C68401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.6 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0.5	C032C68401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.2 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0.5	C032C68401	EPA 8270-M	U	CHRYSENE	30 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0.5	C032C68401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	UJ	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0.5	C032C68401	EPA 8270-M	U	FLUORANTHENE	4.1 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0.5	C032C68401	EPA 8270-M	U	FLUORENE	20 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0.5	C032C68401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.5 UG/KG	U	UJ	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0.5	C032C68401	EPA 8270-M	U	NAPHTHALENE	4.3 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0.5	C032C68401	EPA 8270-M	U	PHENANTHRENE	26 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	0.5	C032C68401	EPA 8270-M	U	PYRENE	26 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	2	C032C68501	EPA 8270-M	U	2-METHYLNAPHTHALENE	19 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-22	SB	REG	2	C032C68501	EPA 8270-M	U	ACENAPHTHENE	1.2 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	2	C032C68501	EPA 8270-M	U	ACENAPHTHYLENE	1.7 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	2	C032C68501	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	2	C032C68501	EPA 8270-M	U	BENZ(A)ANTHRACENE	10 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	2	C032C68501	EPA 8270-M	U	BENZO(A)PYRENE	12 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	2	C032C68501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	17 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	2	C032C68501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	16 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	2	C032C68501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8.6 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	2	C032C68501	EPA 8270-M	U	CHRYSENE	44 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	2	C032C68501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	2	C032C68501	EPA 8270-M	U	FLUORANTHENE	3.2 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	2	C032C68501	EPA 8270-M	U	FLUORENE	28 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	2	C032C68501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	UJ	000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	2	C032C68501	EPA 8270-M	U	NAPHTHALENE	10 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	2	C032C68501	EPA 8270-M	U	PHENANTHRENE	35 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	2	C032C68501	EPA 8270-M	U	PYRENE	16 UG/KG			000 REG	5/24/2002	5/26/2002	5/28/2002
32EDC-3-22	SB	REG	4	C032C68601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-22	SB	REG	4	C032C68601	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-22	SB	REG	4	C032C68601	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-22	SB	REG	4	C032C68601	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-22	SB	REG	4	C032C68601	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.1 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-22	SB	REG	4	C032C68601	EPA 8270-M	U	BENZO(A)PYRENE	4.2 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-22	SB	REG	4	C032C68601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.1 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-22	SB	REG	4	C032C68601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.61 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-22	SB	REG	4	C032C68601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-22	SB	REG	4	C032C68601	EPA 8270-M	U	CHRYSENE	1.1 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-22	SB	REG	4	C032C68601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-22	SB	REG	4	C032C68601	EPA 8270-M	U	FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-22	SB	REG	4	C032C68601	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-22	SB	REG	4	C032C68601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-22	SB	REG	4	C032C68601	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-22	SB	REG	4	C032C68601	EPA 8270-M	U	PHENANTHRENE	1.1 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-22	SB	REG	4	C032C68601	EPA 8270-M	U	PYRENE	3.6 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-3-3	SB	FD	0.5	C032C60101	EPA 8270-M	U	2-METHYLNAPHTHALENE	3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	FD	0.5	C032C60101	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	FD	0.5	C032C60101	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	FD	0.5	C032C60101	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	FD	0.5	C032C60101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	FD	0.5	C032C60101	EPA 8270-M	U	BENZO(A)PYRENE	2.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	FD	0.5	C032C60101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	FD	0.5	C032C60101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	15 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	FD	0.5	C032C60101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	FD	0.5	C032C60101	EPA 8270-M	U	CHRYSENE	22 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	FD	0.5	C032C60101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	FD	0.5	C032C60101	EPA 8270-M	U	FLUORANTHENE	3.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	FD	0.5	C032C60101	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	FD	0.5	C032C60101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	FD	0.5	C032C60101	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	FD	0.5	C032C60101	EPA 8270-M	U	PHENANTHRENE	11 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	FD	0.5	C032C60101	EPA 8270-M	U	PYRENE	8.3 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0	C032C59901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0	C032C59901	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0	C032C59901	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0	C032C59901	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-3	SB	REG	0	C032C59901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0	C032C59901	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0	C032C59901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0	C032C59901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	30 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0	C032C59901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0	C032C59901	EPA 8270-M	U	CHRYSENE	6.1 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0	C032C59901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0	C032C59901	EPA 8270-M	U	FLUORANTHENE	2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0	C032C59901	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0	C032C59901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.8 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0	C032C59901	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0	C032C59901	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0	C032C59901	EPA 8270-M	U	PYRENE	2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0.5	C032C60001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0.5	C032C60001	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0.5	C032C60001	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0.5	C032C60001	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0.5	C032C60001	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.7 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0.5	C032C60001	EPA 8270-M	U	BENZO(A)PYRENE	15 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0.5	C032C60001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	12 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0.5	C032C60001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	20 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0.5	C032C60001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	11 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0.5	C032C60001	EPA 8270-M	U	CHRYSENE	13 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0.5	C032C60001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.8 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0.5	C032C60001	EPA 8270-M	U	FLUORANTHENE	6 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0.5	C032C60001	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0.5	C032C60001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	11 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-3	SB	REG	0.5	C032C60001	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0.5	C032C60001	EPA 8270-M	U	PHENANTHRENE	3.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	0.5	C032C60001	EPA 8270-M	U	PYRENE	6.8 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	2	C032C60201	EPA 8270-M	U	2-METHYLNAPHTHALENE	7.4 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	2	C032C60201	EPA 8270-M	U	ACENAPHTHENE	4.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	2	C032C60201	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	2	C032C60201	EPA 8270-M	U	ANTHRACENE	17 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	2	C032C60201	EPA 8270-M	U	BENZ(A)ANTHRACENE	90 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	2	C032C60201	EPA 8270-M	U	BENZO(A)PYRENE	86 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	2	C032C60201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	78 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	2	C032C60201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	52 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	2	C032C60201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	69 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	2	C032C60201	EPA 8270-M	U	CHRYSENE	97 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	2	C032C60201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	12 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	2	C032C60201	EPA 8270-M	U	FLUORANTHENE	120 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	2	C032C60201	EPA 8270-M	U	FLUORENE	6.6 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	2	C032C60201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	42 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	2	C032C60201	EPA 8270-M	U	NAPHTHALENE	2.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	2	C032C60201	EPA 8270-M	U	PHENANTHRENE	62 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	2	C032C60201	EPA 8270-M	U	PYRENE	100 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	4	C032C60301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	4	C032C60301	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	4	C032C60301	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	4	C032C60301	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	4	C032C60301	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	4	C032C60301	EPA 8270-M	U	BENZO(A)PYRENE	2.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	4	C032C60301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-3	SB	REG	4	C032C60301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	17 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	4	C032C60301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	4	C032C60301	EPA 8270-M	U	CHRYSENE	10 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	4	C032C60301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	4	C032C60301	EPA 8270-M	U	FLUORANTHENE	3.8 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	4	C032C60301	EPA 8270-M	U	FLUORENE	1.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	4	C032C60301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	4	C032C60301	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	4	C032C60301	EPA 8270-M	U	PHENANTHRENE	12 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-3	SB	REG	4	C032C60301	EPA 8270-M	U	PYRENE	5.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0	C032C60401	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0	C032C60401	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0	C032C60401	EPA 8270-M	U	ACENAPHTHYLENE	2.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0	C032C60401	EPA 8270-M	U	ANTHRACENE	3.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0	C032C60401	EPA 8270-M	U	BENZ(A)ANTHRACENE	12 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0	C032C60401	EPA 8270-M	U	BENZO(A)PYRENE	24 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0	C032C60401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	31 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0	C032C60401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	19 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0	C032C60401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	15 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0	C032C60401	EPA 8270-M	U	CHRYSENE	26 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0	C032C60401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0	C032C60401	EPA 8270-M	U	FLUORANTHENE	12 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0	C032C60401	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0	C032C60401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.4 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0	C032C60401	EPA 8270-M	U	NAPHTHALENE	1.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0	C032C60401	EPA 8270-M	U	PHENANTHRENE	6.8 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0	C032C60401	EPA 8270-M	U	PYRENE	18 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	ANTHRACENE	14 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	BENZ(A)ANTHRACENE	19 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	BENZO(A)PYRENE	42 UG/KG		R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	42 UG/KG		R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	57 UG/KG		R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	40 UG/KG		R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	CHRYSENE	42 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9.2 UG/KG		R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	14 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	NAPHTHALENE	2.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	PYRENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.1 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	ACENAPHTHENE	28 UG/KG	U	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	ACENAPHTHYLENE	28 UG/KG	U	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	ANTHRACENE	18 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	BENZ(A)ANTHRACENE	22 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	BENZO(A)PYRENE	39 UG/KG			DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	44 UG/KG			DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	65 UG/KG			DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	32 UG/KG			DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	CHRYSENE	45 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	5/31/2002

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Facility: ALAMEDA

Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	13 UG/KG	J	J	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	FLUORANTHENE	28 UG/KG	U	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	FLUORENE	28 UG/KG	U	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	19 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	NAPHTHALENE	28 UG/KG	U	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	PHENANTHRENE	7.3 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	PYRENE	28 UG/KG	U	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	2-METHYLNAPHTHALENE	55 UG/KG	U	R	DL2 REG	5/29/2002	5/30/2002	6/4/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	ACENAPHTHENE	55 UG/KG	U	R	DL2 REG	5/29/2002	5/30/2002	6/4/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	ACENAPHTHYLENE	55 UG/KG	U	R	DL2 REG	5/29/2002	5/30/2002	6/4/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	ANTHRACENE	14 UG/KG	J	R	DL2 REG	5/29/2002	5/30/2002	6/4/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	BENZ(A)ANTHRACENE	27 UG/KG	J	R	DL2 REG	5/29/2002	5/30/2002	6/4/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	BENZO(A)PYRENE	50 UG/KG	J	R	DL2 REG	5/29/2002	5/30/2002	6/4/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	42 UG/KG	J	R	DL2 REG	5/29/2002	5/30/2002	6/4/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	68 UG/KG		R	DL2 REG	5/29/2002	5/30/2002	6/4/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	40 UG/KG	J	R	DL2 REG	5/29/2002	5/30/2002	6/4/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	CHRYSENE	48 UG/KG	J	R	DL2 REG	5/29/2002	5/30/2002	6/4/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	55 UG/KG	U	R	DL2 REG	5/29/2002	5/30/2002	6/4/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	FLUORANTHENE	55 UG/KG	U	R	DL2 REG	5/29/2002	5/30/2002	6/4/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	FLUORENE	55 UG/KG	U	R	DL2 REG	5/29/2002	5/30/2002	6/4/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	29 UG/KG	J	R	DL2 REG	5/29/2002	5/30/2002	6/4/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	NAPHTHALENE	55 UG/KG	U	R	DL2 REG	5/29/2002	5/30/2002	6/4/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	PHENANTHRENE	55 UG/KG	U	R	DL2 REG	5/29/2002	5/30/2002	6/4/2002
32EDC-3-4	SB	REG	0.5	C032C60501	EPA 8270-M	U	PYRENE	19 UG/KG	J	R	DL2 REG	5/29/2002	5/30/2002	6/4/2002
32EDC-3-4	SB	REG	2	C032C60601	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	2	C032C60601	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	2	C032C60601	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-4	SB	REG	2	C032C60601	EPA 8270-M	U	ANTHRACENE	1.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	2	C032C60601	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	2	C032C60601	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	2	C032C60601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	2	C032C60601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	17 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	2	C032C60601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	2	C032C60601	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	2	C032C60601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	2	C032C60601	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	2	C032C60601	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	2	C032C60601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	2	C032C60601	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	2	C032C60601	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	2	C032C60601	EPA 8270-M	U	PYRENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.9 UG/KG	J	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	BENZO(A)PYRENE	4.8 UG/KG	J	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.8 UG/KG	J	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.7 UG/KG	J	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.7 UG/KG	J	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	CHRYSENE	2.3 UG/KG	J	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	FLUORANTHENE	2.4 UG/KG	J	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	R	000 REG	5/29/2002	5/30/2002	5/31/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.8 UG/KG	J	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	PYRENE	4.7 UG/KG	J	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	BENZO(A)PYRENE	2.6 UG/KG	J	J	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.6 UG/KG	J	J	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	FLUORANTHENE	2 UG/KG	J	J	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.8 UG/KG	J	J	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-4	SB	REG	4	C032C60701	EPA 8270-M	U	PYRENE	3.2 UG/KG	J	J	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-5	SB	FD	4	C032C61201	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.61 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	FD	4	C032C61201	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	FD	4	C032C61201	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	FD	4	C032C61201	EPA 8270-M	U	ANTHRACENE	0.69 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	FD	4	C032C61201	EPA 8270-M	U	BENZ(A)ANTHRACENE	4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	FD	4	C032C61201	EPA 8270-M	U	BENZO(A)PYRENE	8.4 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-5	SB	FD	4	C032C61201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.4 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	FD	4	C032C61201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	9.1 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	FD	4	C032C61201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	FD	4	C032C61201	EPA 8270-M	U	CHRYSENE	4.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	FD	4	C032C61201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.81 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	FD	4	C032C61201	EPA 8270-M	U	FLUORANTHENE	4.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	FD	4	C032C61201	EPA 8270-M	U	FLUORENE	2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	FD	4	C032C61201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.5 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	FD	4	C032C61201	EPA 8270-M	U	NAPHTHALENE	0.77 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	FD	4	C032C61201	EPA 8270-M	U	PHENANTHRENE	1.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	FD	4	C032C61201	EPA 8270-M	U	PYRENE	35 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0	C032C60801	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.33 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0	C032C60801	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0	C032C60801	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0	C032C60801	EPA 8270-M	U	ANTHRACENE	0.48 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0	C032C60801	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0	C032C60801	EPA 8270-M	U	BENZO(A)PYRENE	2.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0	C032C60801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0	C032C60801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0	C032C60801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0	C032C60801	EPA 8270-M	U	CHRYSENE	6.3 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0	C032C60801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0	C032C60801	EPA 8270-M	U	FLUORANTHENE	4.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0	C032C60801	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0	C032C60801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0	C032C60801	EPA 8270-M	U	NAPHTHALENE	0.44 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0	C032C60801	EPA 8270-M	U	PHENANTHRENE	5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-5	SB	REG	0	C032C60801	EPA 8270-M	U	PYRENE	5.6 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0.5	C032C60901	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.77 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0.5	C032C60901	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0.5	C032C60901	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0.5	C032C60901	EPA 8270-M	U	ANTHRACENE	0.62 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0.5	C032C60901	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0.5	C032C60901	EPA 8270-M	U	BENZO(A)PYRENE	3.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0.5	C032C60901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0.5	C032C60901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.3 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0.5	C032C60901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0.5	C032C60901	EPA 8270-M	U	CHRYSENE	3.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0.5	C032C60901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0.5	C032C60901	EPA 8270-M	U	FLUORANTHENE	4.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0.5	C032C60901	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0.5	C032C60901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0.5	C032C60901	EPA 8270-M	U	NAPHTHALENE	0.58 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0.5	C032C60901	EPA 8270-M	U	PHENANTHRENE	2.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	0.5	C032C60901	EPA 8270-M	U	PYRENE	5.9 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	2	C032C61001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	2	C032C61001	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	2	C032C61001	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	2	C032C61001	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	2	C032C61001	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	2	C032C61001	EPA 8270-M	U	BENZO(A)PYRENE	1.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	2	C032C61001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	2	C032C61001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	2	C032C61001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-5	SB	REG	2	C032C61001	EPA 8270-M	U	CHRYSENE	1.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	2	C032C61001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	2	C032C61001	EPA 8270-M	U	FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	2	C032C61001	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	2	C032C61001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	2	C032C61001	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	2	C032C61001	EPA 8270-M	U	PHENANTHRENE	1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	2	C032C61001	EPA 8270-M	U	PYRENE	2.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	4	C032C61101	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.68 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	4	C032C61101	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	4	C032C61101	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	4	C032C61101	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	4	C032C61101	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	4	C032C61101	EPA 8270-M	U	BENZO(A)PYRENE	7.7 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	4	C032C61101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.9 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	4	C032C61101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	10 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	4	C032C61101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	4	C032C61101	EPA 8270-M	U	CHRYSENE	3.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	4	C032C61101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	4	C032C61101	EPA 8270-M	U	FLUORANTHENE	4.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	4	C032C61101	EPA 8270-M	U	FLUORENE	6 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	4	C032C61101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.1 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	4	C032C61101	EPA 8270-M	U	NAPHTHALENE	0.73 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	4	C032C61101	EPA 8270-M	U	PHENANTHRENE	1.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-5	SB	REG	4	C032C61101	EPA 8270-M	U	PYRENE	15 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-3-6	SB	REG	0	C032C61301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0	C032C61301	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-6	SB	REG	0	C032C61301	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0	C032C61301	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0	C032C61301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0	C032C61301	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0	C032C61301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0	C032C61301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0	C032C61301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0	C032C61301	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0	C032C61301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0	C032C61301	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0	C032C61301	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0	C032C61301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0	C032C61301	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0	C032C61301	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0	C032C61301	EPA 8270-M	U	PYRENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0.5	C032C61401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0.5	C032C61401	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0.5	C032C61401	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0.5	C032C61401	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0.5	C032C61401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0.5	C032C61401	EPA 8270-M	U	BENZO(A)PYRENE	1.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0.5	C032C61401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0.5	C032C61401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0.5	C032C61401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0.5	C032C61401	EPA 8270-M	U	CHRYSENE	2.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0.5	C032C61401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0.5	C032C61401	EPA 8270-M	U	FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-6	SB	REG	0.5	C032C61401	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0.5	C032C61401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.8 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0.5	C032C61401	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0.5	C032C61401	EPA 8270-M	U	PHENANTHRENE	1.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	0.5	C032C61401	EPA 8270-M	U	PYRENE	2.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	2	C032C61501	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	2	C032C61501	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	2	C032C61501	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	2	C032C61501	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	2	C032C61501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	2	C032C61501	EPA 8270-M	U	BENZO(A)PYRENE	1.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	2	C032C61501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	2	C032C61501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	2	C032C61501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	2	C032C61501	EPA 8270-M	U	CHRYSENE	1.8 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	2	C032C61501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	2	C032C61501	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	2	C032C61501	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	2	C032C61501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	2	C032C61501	EPA 8270-M	U	NAPHTHALENE	1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	2	C032C61501	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	2	C032C61501	EPA 8270-M	U	PYRENE	1.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	2-METHYLNAPHTHALENE	3200 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	ACENAPHTHENE	160 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	ANTHRACENE	14 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	BENZ(A)ANTHRACENE	16 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	BENZO(A)PYRENE	39 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	24 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	35 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	23 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	CHRYSENE	19 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	FLUORANTHENE	41 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	FLUORENE	67 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	23 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	NAPHTHALENE	950 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	PHENANTHRENE	41 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	PYRENE	86 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	2-METHYLNAPHTHALENE	1400 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	2-METHYLNAPHTHALENE	1000 UG/KG		R	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	ACENAPHTHENE	68 UG/KG		R	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	R	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	ANTHRACENE	6 UG/KG	J	R	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	BENZ(A)ANTHRACENE	7 UG/KG		R	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	BENZO(A)PYRENE	17 UG/KG		R	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	14 UG/KG		R	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	18 UG/KG		R	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8.7 UG/KG		R	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	CHRYSENE	8.8 UG/KG		R	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.7 UG/KG	J	R	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	FLUORANTHENE	22 UG/KG		R	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	FLUORENE	30 UG/KG		R	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	12 UG/KG		R	RA0 REG	5/29/2002	6/6/2002	6/7/2002

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	NAPHTHALENE	340 UG/KG		R	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	PHENANTHRENE	19 UG/KG		R	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-6	SB	REG	4	C032C61601	EPA 8270-M	U	PYRENE	37 UG/KG		R	RA0 REG	5/29/2002	6/6/2002	6/7/2002
32EDC-3-7	SB	REG	0	C032C61701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0	C032C61701	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0	C032C61701	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0	C032C61701	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0	C032C61701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0	C032C61701	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0	C032C61701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0	C032C61701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0	C032C61701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0	C032C61701	EPA 8270-M	U	CHRYSENE	2.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0	C032C61701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0	C032C61701	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0	C032C61701	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0	C032C61701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0	C032C61701	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0	C032C61701	EPA 8270-M	U	PHENANTHRENE	1.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0	C032C61701	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0.5	C032C61801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0.5	C032C61801	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0.5	C032C61801	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0.5	C032C61801	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0.5	C032C61801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0.5	C032C61801	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0.5	C032C61801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-7	SB	REG	0.5	C032C61801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0.5	C032C61801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0.5	C032C61801	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0.5	C032C61801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0.5	C032C61801	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0.5	C032C61801	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0.5	C032C61801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0.5	C032C61801	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0.5	C032C61801	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	0.5	C032C61801	EPA 8270-M	U	PYRENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	2	C032C61901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	2	C032C61901	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	2	C032C61901	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	2	C032C61901	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	2	C032C61901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	2	C032C61901	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	2	C032C61901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	2	C032C61901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	2	C032C61901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	2	C032C61901	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	2	C032C61901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	2	C032C61901	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	2	C032C61901	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	2	C032C61901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	2	C032C61901	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	2	C032C61901	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	2	C032C61901	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-7	SB	REG	4	C032C62001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	4	C032C62001	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	4	C032C62001	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	4	C032C62001	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	4	C032C62001	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	4	C032C62001	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	4	C032C62001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	4	C032C62001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	4	C032C62001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	4	C032C62001	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	4	C032C62001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	4	C032C62001	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	4	C032C62001	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	4	C032C62001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	4	C032C62001	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	4	C032C62001	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-7	SB	REG	4	C032C62001	EPA 8270-M	U	PYRENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-3-8	SB	FD	0.5	C032C62301	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.49 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	FD	0.5	C032C62301	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	FD	0.5	C032C62301	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	FD	0.5	C032C62301	EPA 8270-M	U	ANTHRACENE	0.68 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	FD	0.5	C032C62301	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	FD	0.5	C032C62301	EPA 8270-M	U	BENZO(A)PYRENE	3.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	FD	0.5	C032C62301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	FD	0.5	C032C62301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	19 UG/KG			000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	FD	0.5	C032C62301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	FD	0.5	C032C62301	EPA 8270-M	U	CHRYSENE	1.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-8	SB	FD	0.5	C032C62301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	FD	0.5	C032C62301	EPA 8270-M	U	FLUORANTHENE	1.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	FD	0.5	C032C62301	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	FD	0.5	C032C62301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG			000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	FD	0.5	C032C62301	EPA 8270-M	U	NAPHTHALENE	0.37 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	FD	0.5	C032C62301	EPA 8270-M	U	PHENANTHRENE	0.85 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	FD	0.5	C032C62301	EPA 8270-M	U	PYRENE	1.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	REG	0	C032C62101	EPA 8270-M	U	2-METHYLNAPHTHALENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0	C032C62101	EPA 8270-M	U	ACENAPHTHENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0	C032C62101	EPA 8270-M	U	ACENAPHTHYLENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0	C032C62101	EPA 8270-M	U	ANTHRACENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0	C032C62101	EPA 8270-M	U	BENZ(A)ANTHRACENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0	C032C62101	EPA 8270-M	U	BENZO(A)PYRENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0	C032C62101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0	C032C62101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	10 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0	C032C62101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0	C032C62101	EPA 8270-M	U	CHRYSENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0	C032C62101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0	C032C62101	EPA 8270-M	U	FLUORANTHENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0	C032C62101	EPA 8270-M	U	FLUORENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0	C032C62101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0	C032C62101	EPA 8270-M	U	NAPHTHALENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0	C032C62101	EPA 8270-M	U	PHENANTHRENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0	C032C62101	EPA 8270-M	U	PYRENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0.5	C032C62201	EPA 8270-M	U	2-METHYLNAPHTHALENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0.5	C032C62201	EPA 8270-M	U	ACENAPHTHENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0.5	C032C62201	EPA 8270-M	U	ACENAPHTHYLENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-8	SB	REG	0.5	C032C62201	EPA 8270-M	U	ANTHRACENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0.5	C032C62201	EPA 8270-M	U	BENZ(A)ANTHRACENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0.5	C032C62201	EPA 8270-M	U	BENZO(A)PYRENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0.5	C032C62201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0.5	C032C62201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	24 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0.5	C032C62201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0.5	C032C62201	EPA 8270-M	U	CHRYSENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0.5	C032C62201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0.5	C032C62201	EPA 8270-M	U	FLUORANTHENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0.5	C032C62201	EPA 8270-M	U	FLUORENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0.5	C032C62201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0.5	C032C62201	EPA 8270-M	U	NAPHTHALENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0.5	C032C62201	EPA 8270-M	U	PHENANTHRENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	0.5	C032C62201	EPA 8270-M	U	PYRENE	110 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-3-8	SB	REG	2	C032C62401	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.33 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	REG	2	C032C62401	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	REG	2	C032C62401	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	REG	2	C032C62401	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	REG	2	C032C62401	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.86 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	REG	2	C032C62401	EPA 8270-M	U	BENZO(A)PYRENE	1.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	REG	2	C032C62401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	REG	2	C032C62401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	REG	2	C032C62401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	REG	2	C032C62401	EPA 8270-M	U	CHRYSENE	0.95 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	REG	2	C032C62401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	REG	2	C032C62401	EPA 8270-M	U	FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	REG	2	C032C62401	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/6/2002

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-8	SB	REG	2	C032C62401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	REG	2	C032C62401	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	REG	2	C032C62401	EPA 8270-M	U	PHENANTHRENE	0.63 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	REG	2	C032C62401	EPA 8270-M	U	PYRENE	2.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/6/2002
32EDC-3-8	SB	REG	4	C032C62501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-8	SB	REG	4	C032C62501	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-8	SB	REG	4	C032C62501	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-8	SB	REG	4	C032C62501	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-8	SB	REG	4	C032C62501	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-8	SB	REG	4	C032C62501	EPA 8270-M	U	BENZO(A)PYRENE	6.3 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-8	SB	REG	4	C032C62501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-8	SB	REG	4	C032C62501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.3 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-8	SB	REG	4	C032C62501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-8	SB	REG	4	C032C62501	EPA 8270-M	U	CHRYSENE	2.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-8	SB	REG	4	C032C62501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-8	SB	REG	4	C032C62501	EPA 8270-M	U	FLUORANTHENE	3.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-8	SB	REG	4	C032C62501	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-8	SB	REG	4	C032C62501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-8	SB	REG	4	C032C62501	EPA 8270-M	U	NAPHTHALENE	0.54 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-8	SB	REG	4	C032C62501	EPA 8270-M	U	PHENANTHRENE	1.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-8	SB	REG	4	C032C62501	EPA 8270-M	U	PYRENE	7.7 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-3-9	SB	REG	0	C032C62601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0	C032C62601	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0	C032C62601	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0	C032C62601	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0	C032C62601	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0	C032C62601	EPA 8270-M	U	BENZO(A)PYRENE	3.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002

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Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-9	SB	REG	0	C032C62601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0	C032C62601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	77 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0	C032C62601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0	C032C62601	EPA 8270-M	U	CHRYSENE	10 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0	C032C62601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	8 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0	C032C62601	EPA 8270-M	U	FLUORANTHENE	3.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0	C032C62601	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0	C032C62601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0	C032C62601	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0	C032C62601	EPA 8270-M	U	PHENANTHRENE	2.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0	C032C62601	EPA 8270-M	U	PYRENE	5.9 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0.5	C032C62701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0.5	C032C62701	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0.5	C032C62701	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0.5	C032C62701	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0.5	C032C62701	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0.5	C032C62701	EPA 8270-M	U	BENZO(A)PYRENE	3.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0.5	C032C62701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0.5	C032C62701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	43 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0.5	C032C62701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0.5	C032C62701	EPA 8270-M	U	CHRYSENE	3.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0.5	C032C62701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0.5	C032C62701	EPA 8270-M	U	FLUORANTHENE	4.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0.5	C032C62701	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0.5	C032C62701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0.5	C032C62701	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	0.5	C032C62701	EPA 8270-M	U	PHENANTHRENE	1.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002

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Facility: ALAMEDA

Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-9	SB	REG	0.5	C032C62701	EPA 8270-M	U	PYRENE	7.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	2	C032C62801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	2	C032C62801	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	2	C032C62801	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	2	C032C62801	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	2	C032C62801	EPA 8270-M	U	BENZ(A)ANTHRACENE	2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	2	C032C62801	EPA 8270-M	U	BENZO(A)PYRENE	3.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	2	C032C62801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	2	C032C62801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	20 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	2	C032C62801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	2	C032C62801	EPA 8270-M	U	CHRYSENE	3.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	2	C032C62801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	2	C032C62801	EPA 8270-M	U	FLUORANTHENE	4.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	2	C032C62801	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	2	C032C62801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	2	C032C62801	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	2	C032C62801	EPA 8270-M	U	PHENANTHRENE	2.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	2	C032C62801	EPA 8270-M	U	PYRENE	5.9 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	4	C032C62901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	4	C032C62901	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	4	C032C62901	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	4	C032C62901	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	4	C032C62901	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	4	C032C62901	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	4	C032C62901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	4	C032C62901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	4	C032C62901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC3 TRANSFER PARCEL EDC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-3-9	SB	REG	4	C032C62901	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	4	C032C62901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	4	C032C62901	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	4	C032C62901	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	4	C032C62901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	4	C032C62901	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	4	C032C62901	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-3-9	SB	REG	4	C032C62901	EPA 8270-M	U	PYRENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
Pay Item : PAH'S USING METHOD 8270C WITH SIM														
FQC	BW	ER		C032CR0602	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.0031 UG/L	J	J	000 REG	5/14/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0602	EPA 8270-M	U	ACENAPHTHENE	0.02 UG/L	U	U	000 REG	5/14/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0602	EPA 8270-M	U	ACENAPHTHYLENE	0.02 UG/L	U	U	000 REG	5/14/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0602	EPA 8270-M	U	ANTHRACENE	0.02 UG/L	U	U	000 REG	5/14/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0602	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.02 UG/L	U	U	000 REG	5/14/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0602	EPA 8270-M	U	BENZO(A)PYRENE	0.02 UG/L	U	U	000 REG	5/14/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0602	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/14/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0602	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.02 UG/L	U	U	000 REG	5/14/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0602	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/14/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0602	EPA 8270-M	U	CHRYSENE	0.02 UG/L	J	U	000 REG	5/14/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0602	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.02 UG/L	U	U	000 REG	5/14/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0602	EPA 8270-M	U	FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/14/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0602	EPA 8270-M	U	FLUORENE	0.02 UG/L	U	U	000 REG	5/14/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0602	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.02 UG/L	U	U	000 REG	5/14/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0602	EPA 8270-M	U	NAPHTHALENE	0.0074 UG/L	J	J	000 REG	5/14/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0602	EPA 8270-M	U	PHENANTHRENE	0.02 UG/L	U	U	000 REG	5/14/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0602	EPA 8270-M	U	PYRENE	0.02 UG/L	U	U	000 REG	5/14/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0802	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.02 UG/L	U	U	000 REG	5/15/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0802	EPA 8270-M	U	ACENAPHTHENE	0.02 UG/L	U	U	000 REG	5/15/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0802	EPA 8270-M	U	ACENAPHTHYLENE	0.02 UG/L	U	U	000 REG	5/15/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0802	EPA 8270-M	U	ANTHRACENE	0.02 UG/L	U	U	000 REG	5/15/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0802	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.02 UG/L	U	U	000 REG	5/15/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0802	EPA 8270-M	U	BENZO(A)PYRENE	0.02 UG/L	U	U	000 REG	5/15/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0802	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/15/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0802	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.02 UG/L	U	U	000 REG	5/15/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0802	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/15/2002	5/20/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
FQC	BW	ER		C032CR0802	EPA 8270-M	U	CHRYSENE	0.02 UG/L	J	U	000 REG	5/15/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0802	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.02 UG/L	U	U	000 REG	5/15/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0802	EPA 8270-M	U	FLUORANTHENE	0.0033 UG/L	J	J	000 REG	5/15/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0802	EPA 8270-M	U	FLUORENE	0.02 UG/L	U	U	000 REG	5/15/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0802	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.02 UG/L	U	U	000 REG	5/15/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0802	EPA 8270-M	U	NAPHTHALENE	0.007 UG/L	J	J	000 REG	5/15/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0802	EPA 8270-M	U	PHENANTHRENE	0.0034 UG/L	J	J	000 REG	5/15/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0802	EPA 8270-M	U	PYRENE	0.02 UG/L	U	U	000 REG	5/15/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0901	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.0033 UG/L	J	J	000 REG	5/16/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0901	EPA 8270-M	U	ACENAPHTHENE	0.02 UG/L	U	U	000 REG	5/16/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0901	EPA 8270-M	U	ACENAPHTHYLENE	0.02 UG/L	U	U	000 REG	5/16/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0901	EPA 8270-M	U	ANTHRACENE	0.02 UG/L	U	U	000 REG	5/16/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0901	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.02 UG/L	U	U	000 REG	5/16/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0901	EPA 8270-M	U	BENZO(A)PYRENE	0.02 UG/L	U	U	000 REG	5/16/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/16/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.02 UG/L	U	U	000 REG	5/16/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/16/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0901	EPA 8270-M	U	CHRYSENE	0.02 UG/L	J	U	000 REG	5/16/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.02 UG/L	U	U	000 REG	5/16/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0901	EPA 8270-M	U	FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/16/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0901	EPA 8270-M	U	FLUORENE	0.02 UG/L	U	U	000 REG	5/16/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.02 UG/L	U	U	000 REG	5/16/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0901	EPA 8270-M	U	NAPHTHALENE	0.0047 UG/L	J	J	000 REG	5/16/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0901	EPA 8270-M	U	PHENANTHRENE	0.02 UG/L	U	U	000 REG	5/16/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0901	EPA 8270-M	U	PYRENE	0.02 UG/L	U	U	000 REG	5/16/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR1701	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.25 UG/L	U	U	000 REG	5/23/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1701	EPA 8270-M	U	ACENAPHTHENE	0.25 UG/L	U	U	000 REG	5/23/2002	5/24/2002	5/29/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
FQC	BW	ER		C032CR1701	EPA 8270-M	U	ACENAPHTHYLENE	0.25 UG/L	U	U	000 REG	5/23/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1701	EPA 8270-M	U	ANTHRACENE	0.25 UG/L	U	U	000 REG	5/23/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1701	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.25 UG/L	U	U	000 REG	5/23/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1701	EPA 8270-M	U	BENZO(A)PYRENE	0.25 UG/L	U	U	000 REG	5/23/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/23/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.25 UG/L	U	U	000 REG	5/23/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/23/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1701	EPA 8270-M	U	CHRYSENE	0.25 UG/L	U	U	000 REG	5/23/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.25 UG/L	U	U	000 REG	5/23/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1701	EPA 8270-M	U	FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/23/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1701	EPA 8270-M	U	FLUORENE	0.25 UG/L	U	U	000 REG	5/23/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.25 UG/L	U	U	000 REG	5/23/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1701	EPA 8270-M	U	NAPHTHALENE	0.25 UG/L	U	U	000 REG	5/23/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1701	EPA 8270-M	U	PHENANTHRENE	0.25 UG/L	U	U	000 REG	5/23/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1701	EPA 8270-M	U	PYRENE	0.25 UG/L	U	U	000 REG	5/23/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1801	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.25 UG/L	U	U	000 REG	5/24/2002	5/25/2002	5/29/2002
FQC	BW	ER		C032CR1801	EPA 8270-M	U	ACENAPHTHENE	0.25 UG/L	U	U	000 REG	5/24/2002	5/25/2002	5/29/2002
FQC	BW	ER		C032CR1801	EPA 8270-M	U	ACENAPHTHYLENE	0.25 UG/L	U	U	000 REG	5/24/2002	5/25/2002	5/29/2002
FQC	BW	ER		C032CR1801	EPA 8270-M	U	ANTHRACENE	0.25 UG/L	U	U	000 REG	5/24/2002	5/25/2002	5/29/2002
FQC	BW	ER		C032CR1801	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.25 UG/L	U	U	000 REG	5/24/2002	5/25/2002	5/29/2002
FQC	BW	ER		C032CR1801	EPA 8270-M	U	BENZO(A)PYRENE	0.25 UG/L	U	U	000 REG	5/24/2002	5/25/2002	5/29/2002
FQC	BW	ER		C032CR1801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/24/2002	5/25/2002	5/29/2002
FQC	BW	ER		C032CR1801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.25 UG/L	U	U	000 REG	5/24/2002	5/25/2002	5/29/2002
FQC	BW	ER		C032CR1801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.019 UG/L	J	J	000 REG	5/24/2002	5/25/2002	5/29/2002
FQC	BW	ER		C032CR1801	EPA 8270-M	U	CHRYSENE	0.25 UG/L	U	U	000 REG	5/24/2002	5/25/2002	5/29/2002
FQC	BW	ER		C032CR1801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.25 UG/L	U	U	000 REG	5/24/2002	5/25/2002	5/29/2002
FQC	BW	ER		C032CR1801	EPA 8270-M	U	FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/24/2002	5/25/2002	5/29/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
FQC	BW	ER		C032CR1801	EPA 8270-M	U	FLUORENE	0.25 UG/L	U	U	000 REG	5/24/2002	5/25/2002	5/29/2002
FQC	BW	ER		C032CR1801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.25 UG/L	U	U	000 REG	5/24/2002	5/25/2002	5/29/2002
FQC	BW	ER		C032CR1801	EPA 8270-M	U	NAPHTHALENE	0.25 UG/L	U	U	000 REG	5/24/2002	5/25/2002	5/29/2002
FQC	BW	ER		C032CR1801	EPA 8270-M	U	PHENANTHRENE	0.25 UG/L		U	000 REG	5/24/2002	5/25/2002	5/29/2002
FQC	BW	ER		C032CR1801	EPA 8270-M	U	PYRENE	0.25 UG/L	U	U	000 REG	5/24/2002	5/25/2002	5/29/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.3 NG/L	J	J	000 REG	5/28/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	ACENAPHTHENE	47 NG/L	U	U	000 REG	5/28/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	ACENAPHTHYLENE	47 NG/L	U	U	000 REG	5/28/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	ANTHRACENE	47 NG/L	U	U	000 REG	5/28/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	BENZ(A)ANTHRACENE	47 NG/L	U	U	000 REG	5/28/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	BENZO(A)PYRENE	47 NG/L	U	U	000 REG	5/28/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	47 NG/L	U	U	000 REG	5/28/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	47 NG/L	U	U	000 REG	5/28/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	47 NG/L	U	U	000 REG	5/28/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	CHRYSENE	47 NG/L	U	U	000 REG	5/28/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	47 NG/L	U	U	000 REG	5/28/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	FLUORANTHENE	47 NG/L	U	U	000 REG	5/28/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	FLUORENE	47 NG/L	U	U	000 REG	5/28/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	47 NG/L	U	U	000 REG	5/28/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	NAPHTHALENE	47 NG/L	JB	U	000 REG	5/28/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	PHENANTHRENE	47 NG/L	U	U	000 REG	5/28/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	PYRENE	47 NG/L	U	U	000 REG	5/28/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.8 NG/L	J	R	RA1 REG	5/28/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	ACENAPHTHENE	50 NG/L	U	R	RA1 REG	5/28/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	ACENAPHTHYLENE	50 NG/L	U	R	RA1 REG	5/28/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	ANTHRACENE	50 NG/L	U	R	RA1 REG	5/28/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	BENZ(A)ANTHRACENE	50 NG/L	U	R	RA1 REG	5/28/2002	6/6/2002	6/7/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
FQC	BW	ER		C032CR1901	EPA 8270-M	U	BENZO(A)PYRENE	50 NG/L	U	R	RA1 REG	5/28/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	50 NG/L	U	R	RA1 REG	5/28/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	50 NG/L	U	R	RA1 REG	5/28/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	50 NG/L	U	R	RA1 REG	5/28/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	CHRYSENE	50 NG/L	U	R	RA1 REG	5/28/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	50 NG/L	U	R	RA1 REG	5/28/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	FLUORANTHENE	50 NG/L	U	R	RA1 REG	5/28/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	FLUORENE	50 NG/L	U	R	RA1 REG	5/28/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	50 NG/L	U	R	RA1 REG	5/28/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	NAPHTHALENE	9.4 NG/L	JB	R	RA1 REG	5/28/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	PHENANTHRENE	50 NG/L	U	R	RA1 REG	5/28/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR1901	EPA 8270-M	U	PYRENE	50 NG/L	U	R	RA1 REG	5/28/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	2-METHYLNAPHTHALENE	52 NG/L	U	U	000 REG	5/30/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	ACENAPHTHENE	52 NG/L	U	U	000 REG	5/30/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	ACENAPHTHYLENE	52 NG/L	U	U	000 REG	5/30/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	ANTHRACENE	52 NG/L	U	U	000 REG	5/30/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	BENZ(A)ANTHRACENE	52 NG/L	U	U	000 REG	5/30/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	BENZO(A)PYRENE	52 NG/L	U	U	000 REG	5/30/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	52 NG/L	U	U	000 REG	5/30/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	52 NG/L	U	U	000 REG	5/30/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	52 NG/L	U	U	000 REG	5/30/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	CHRYSENE	52 NG/L	U	U	000 REG	5/30/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	52 NG/L	U	U	000 REG	5/30/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	FLUORANTHENE	52 NG/L	U	U	000 REG	5/30/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	FLUORENE	52 NG/L	U	U	000 REG	5/30/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	52 NG/L	U	U	000 REG	5/30/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	NAPHTHALENE	52 NG/L	JB	U	000 REG	5/30/2002	6/1/2002	6/3/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
FQC	BW	ER		C032CR2101	EPA 8270-M	U	PHENANTHRENE	52 NG/L	U	U	000 REG	5/30/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	PYRENE	52 NG/L	U	U	000 REG	5/30/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	2-METHYLNAPHTHALENE	50 NG/L	U	R	RA1 REG	5/30/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	ACENAPHTHENE	50 NG/L	U	R	RA1 REG	5/30/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	ACENAPHTHYLENE	50 NG/L	U	R	RA1 REG	5/30/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	ANTHRACENE	50 NG/L	U	R	RA1 REG	5/30/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	BENZ(A)ANTHRACENE	50 NG/L	U	R	RA1 REG	5/30/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	BENZO(A)PYRENE	50 NG/L	U	R	RA1 REG	5/30/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	50 NG/L	U	R	RA1 REG	5/30/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	50 NG/L	U	R	RA1 REG	5/30/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	50 NG/L	U	R	RA1 REG	5/30/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	CHRYSENE	50 NG/L	U	R	RA1 REG	5/30/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	50 NG/L	U	R	RA1 REG	5/30/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	FLUORANTHENE	50 NG/L	U	R	RA1 REG	5/30/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	FLUORENE	50 NG/L	U	R	RA1 REG	5/30/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	50 NG/L	U	R	RA1 REG	5/30/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	NAPHTHALENE	2.7 NG/L	JB	R	RA1 REG	5/30/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	PHENANTHRENE	50 NG/L	U	R	RA1 REG	5/30/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2101	EPA 8270-M	U	PYRENE	50 NG/L	U	R	RA1 REG	5/30/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	2-METHYLNAPHTHALENE	48 NG/L	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	ACENAPHTHENE	48 NG/L	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	ACENAPHTHYLENE	48 NG/L	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	ANTHRACENE	48 NG/L	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	BENZ(A)ANTHRACENE	48 NG/L	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	BENZO(A)PYRENE	48 NG/L	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	48 NG/L	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	48 NG/L	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
FQC	BW	ER		C032CR2201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	48 NG/L	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	CHRYSENE	48 NG/L	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	48 NG/L	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	FLUORANTHENE	48 NG/L	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	FLUORENE	48 NG/L	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	48 NG/L	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	NAPHTHALENE	48 NG/L	JB	U	000 REG	5/31/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	PHENANTHRENE	48 NG/L	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	PYRENE	48 NG/L	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.2 NG/L	J	R	RA1 REG	5/31/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	ACENAPHTHENE	50 NG/L	U	R	RA1 REG	5/31/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	ACENAPHTHYLENE	50 NG/L	U	R	RA1 REG	5/31/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	ANTHRACENE	50 NG/L	U	R	RA1 REG	5/31/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	BENZ(A)ANTHRACENE	50 NG/L	U	R	RA1 REG	5/31/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	BENZO(A)PYRENE	50 NG/L	U	R	RA1 REG	5/31/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	50 NG/L	U	R	RA1 REG	5/31/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	50 NG/L	U	R	RA1 REG	5/31/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	50 NG/L	U	R	RA1 REG	5/31/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	CHRYSENE	50 NG/L	U	R	RA1 REG	5/31/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	50 NG/L	U	R	RA1 REG	5/31/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	FLUORANTHENE	50 NG/L	U	R	RA1 REG	5/31/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	FLUORENE	50 NG/L	U	R	RA1 REG	5/31/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	50 NG/L	U	R	RA1 REG	5/31/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	NAPHTHALENE	5.9 NG/L	JB	R	RA1 REG	5/31/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	PHENANTHRENE	50 NG/L	U	R	RA1 REG	5/31/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2201	EPA 8270-M	U	PYRENE	50 NG/L	U	R	RA1 REG	5/31/2002	6/6/2002	6/7/2002

Pay Item : PAH'S USING METHOD 8270C WITH SIM

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-1	SB	REG	0	C032C75901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0	C032C75901	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0	C032C75901	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0	C032C75901	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0	C032C75901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0	C032C75901	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0	C032C75901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0	C032C75901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0	C032C75901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0	C032C75901	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0	C032C75901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0	C032C75901	EPA 8270-M	U	FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0	C032C75901	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0	C032C75901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0	C032C75901	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0	C032C75901	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0	C032C75901	EPA 8270-M	U	PYRENE	2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0.5	C032C76001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0.5	C032C76001	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0.5	C032C76001	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0.5	C032C76001	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0.5	C032C76001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0.5	C032C76001	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0.5	C032C76001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0.5	C032C76001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0.5	C032C76001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0.5	C032C76001	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-1	SB	REG	0.5	C032C76001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0.5	C032C76001	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0.5	C032C76001	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0.5	C032C76001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0.5	C032C76001	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0.5	C032C76001	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	0.5	C032C76001	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	2	C032C76101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	2	C032C76101	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	2	C032C76101	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	2	C032C76101	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	2	C032C76101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	2	C032C76101	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	2	C032C76101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	2	C032C76101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	2	C032C76101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	2	C032C76101	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	2	C032C76101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	2	C032C76101	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	2	C032C76101	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	2	C032C76101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	2	C032C76101	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	2	C032C76101	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	2	C032C76101	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	4	C032C76201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	4	C032C76201	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	4	C032C76201	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-1	SB	REG	4	C032C76201	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	4	C032C76201	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	4	C032C76201	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	4	C032C76201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	4	C032C76201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	4	C032C76201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	4	C032C76201	EPA 8270-M	U	CHRYSENE	2.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	4	C032C76201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	4	C032C76201	EPA 8270-M	U	FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	4	C032C76201	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	4	C032C76201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	4	C032C76201	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	4	C032C76201	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-1	SB	REG	4	C032C76201	EPA 8270-M	U	PYRENE	3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	FD	4	C032C80201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	FD	4	C032C80201	EPA 8270-M	U	ACENAPHTHENE	6.5 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	FD	4	C032C80201	EPA 8270-M	U	ACENAPHTHYLENE	2.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	FD	4	C032C80201	EPA 8270-M	U	ANTHRACENE	7.6 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	FD	4	C032C80201	EPA 8270-M	U	BENZ(A)ANTHRACENE	32 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	FD	4	C032C80201	EPA 8270-M	U	BENZO(A)PYRENE	64 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	FD	4	C032C80201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	42 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	FD	4	C032C80201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	65 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	FD	4	C032C80201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	35 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	FD	4	C032C80201	EPA 8270-M	U	CHRYSENE	39 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	FD	4	C032C80201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	FD	4	C032C80201	EPA 8270-M	U	FLUORANTHENE	83 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	FD	4	C032C80201	EPA 8270-M	U	FLUORENE	3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-10	SB	FD	4	C032C80201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	54 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	FD	4	C032C80201	EPA 8270-M	U	NAPHTHALENE	3.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	FD	4	C032C80201	EPA 8270-M	U	PHENANTHRENE	48 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	FD	4	C032C80201	EPA 8270-M	U	PYRENE	130 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0	C032C79801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0	C032C79801	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0	C032C79801	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0	C032C79801	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0	C032C79801	EPA 8270-M	U	BENZ(A)ANTHRACENE	9.6 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0	C032C79801	EPA 8270-M	U	BENZO(A)PYRENE	18 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0	C032C79801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	28 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0	C032C79801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	65 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0	C032C79801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.9 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0	C032C79801	EPA 8270-M	U	CHRYSENE	55 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0	C032C79801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	20 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0	C032C79801	EPA 8270-M	U	FLUORANTHENE	8.2 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0	C032C79801	EPA 8270-M	U	FLUORENE	1.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0	C032C79801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	12 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0	C032C79801	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0	C032C79801	EPA 8270-M	U	PHENANTHRENE	9.9 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0	C032C79801	EPA 8270-M	U	PYRENE	15 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0.5	C032C79901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0.5	C032C79901	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0.5	C032C79901	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0.5	C032C79901	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0.5	C032C79901	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0.5	C032C79901	EPA 8270-M	U	BENZO(A)PYRENE	5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-10	SB	REG	0.5	C032C79901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0.5	C032C79901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.6 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0.5	C032C79901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0.5	C032C79901	EPA 8270-M	U	CHRYSENE	3.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0.5	C032C79901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0.5	C032C79901	EPA 8270-M	U	FLUORANTHENE	3.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0.5	C032C79901	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0.5	C032C79901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0.5	C032C79901	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0.5	C032C79901	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	0.5	C032C79901	EPA 8270-M	U	PYRENE	5.7 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	2	C032C80001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	2	C032C80001	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	2	C032C80001	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	2	C032C80001	EPA 8270-M	U	ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	2	C032C80001	EPA 8270-M	U	BENZ(A)ANTHRACENE	15 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	2	C032C80001	EPA 8270-M	U	BENZO(A)PYRENE	25 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	2	C032C80001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	18 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	2	C032C80001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	28 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	2	C032C80001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	16 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	2	C032C80001	EPA 8270-M	U	CHRYSENE	20 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	2	C032C80001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	2	C032C80001	EPA 8270-M	U	FLUORANTHENE	31 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	2	C032C80001	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	2	C032C80001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	23 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	2	C032C80001	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	2	C032C80001	EPA 8270-M	U	PHENANTHRENE	9.5 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-10	SB	REG	2	C032C80001	EPA 8270-M	U	PYRENE	52 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	4	C032C80101	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	4	C032C80101	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	4	C032C80101	EPA 8270-M	U	ACENAPHTHYLENE	2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	4	C032C80101	EPA 8270-M	U	ANTHRACENE	3.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	4	C032C80101	EPA 8270-M	U	BENZ(A)ANTHRACENE	33 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	4	C032C80101	EPA 8270-M	U	BENZO(A)PYRENE	75 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	4	C032C80101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	50 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	4	C032C80101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	83 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	4	C032C80101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	39 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	4	C032C80101	EPA 8270-M	U	CHRYSENE	43 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	4	C032C80101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	4	C032C80101	EPA 8270-M	U	FLUORANTHENE	90 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	4	C032C80101	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	4	C032C80101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	69 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	4	C032C80101	EPA 8270-M	U	NAPHTHALENE	3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	4	C032C80101	EPA 8270-M	U	PHENANTHRENE	23 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-10	SB	REG	4	C032C80101	EPA 8270-M	U	PYRENE	130 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-100	SB	FD	4	C032CB9801	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.45 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	FD	4	C032CB9801	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	FD	4	C032CB9801	EPA 8270-M	U	ACENAPHTHYLENE	1.4 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	FD	4	C032CB9801	EPA 8270-M	U	ANTHRACENE	0.62 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	FD	4	C032CB9801	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.3 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	FD	4	C032CB9801	EPA 8270-M	U	BENZO(A)PYRENE	18 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	FD	4	C032CB9801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	10 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	FD	4	C032CB9801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	19 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	FD	4	C032CB9801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	11 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-100	SB	FD	4	C032CB9801	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	FD	4	C032CB9801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	FD	4	C032CB9801	EPA 8270-M	U	FLUORANTHENE	6.5 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	FD	4	C032CB9801	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	FD	4	C032CB9801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	20 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	FD	4	C032CB9801	EPA 8270-M	U	NAPHTHALENE	1.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	FD	4	C032CB9801	EPA 8270-M	U	PHENANTHRENE	1.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	FD	4	C032CB9801	EPA 8270-M	U	PYRENE	24 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0	C032CB9401	EPA 8270-M	U	2-METHYLNAPHTHALENE	12 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0	C032CB9401	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0	C032CB9401	EPA 8270-M	U	ACENAPHTHYLENE	14 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0	C032CB9401	EPA 8270-M	U	ANTHRACENE	11 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0	C032CB9401	EPA 8270-M	U	BENZ(A)ANTHRACENE	46 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0	C032CB9401	EPA 8270-M	U	BENZO(A)PYRENE	78 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0	C032CB9401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	55 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0	C032CB9401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	110 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0	C032CB9401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	70 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0	C032CB9401	EPA 8270-M	U	CHRYSENE	68 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0	C032CB9401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	19 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0	C032CB9401	EPA 8270-M	U	FLUORANTHENE	68 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0	C032CB9401	EPA 8270-M	U	FLUORENE	1.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0	C032CB9401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	110 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0	C032CB9401	EPA 8270-M	U	NAPHTHALENE	10 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0	C032CB9401	EPA 8270-M	U	PHENANTHRENE	29 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0	C032CB9401	EPA 8270-M	U	PYRENE	110 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0.5	C032CB9501	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0.5	C032CB9501	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-100	SB	REG	0.5	C032CB9501	EPA 8270-M	U	ACENAPHTHYLENE	2.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0.5	C032CB9501	EPA 8270-M	U	ANTHRACENE	1.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0.5	C032CB9501	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.3 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0.5	C032CB9501	EPA 8270-M	U	BENZO(A)PYRENE	12 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0.5	C032CB9501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.2 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0.5	C032CB9501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	17 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0.5	C032CB9501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8.8 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0.5	C032CB9501	EPA 8270-M	U	CHRYSENE	10 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0.5	C032CB9501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0.5	C032CB9501	EPA 8270-M	U	FLUORANTHENE	8.5 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0.5	C032CB9501	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0.5	C032CB9501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	16 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0.5	C032CB9501	EPA 8270-M	U	NAPHTHALENE	1.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0.5	C032CB9501	EPA 8270-M	U	PHENANTHRENE	3.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	0.5	C032CB9501	EPA 8270-M	U	PYRENE	14 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	2	C032CB9601	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	2	C032CB9601	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	2	C032CB9601	EPA 8270-M	U	ACENAPHTHYLENE	1.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	2	C032CB9601	EPA 8270-M	U	ANTHRACENE	1.4 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	2	C032CB9601	EPA 8270-M	U	BENZ(A)ANTHRACENE	8 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	2	C032CB9601	EPA 8270-M	U	BENZO(A)PYRENE	13 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	2	C032CB9601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.3 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	2	C032CB9601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	16 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	2	C032CB9601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9.1 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	2	C032CB9601	EPA 8270-M	U	CHRYSENE	9.9 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	2	C032CB9601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	2	C032CB9601	EPA 8270-M	U	FLUORANTHENE	11 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-100	SB	REG	2	C032CB9601	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	2	C032CB9601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	16 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	2	C032CB9601	EPA 8270-M	U	NAPHTHALENE	1.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	2	C032CB9601	EPA 8270-M	U	PHENANTHRENE	3.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	2	C032CB9601	EPA 8270-M	U	PYRENE	16 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	4	C032CB9701	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.46 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	4	C032CB9701	EPA 8270-M	U	ACENAPHTHENE	6.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	4	C032CB9701	EPA 8270-M	U	ACENAPHTHYLENE	6.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	4	C032CB9701	EPA 8270-M	U	ANTHRACENE	6.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	4	C032CB9701	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	4	C032CB9701	EPA 8270-M	U	BENZO(A)PYRENE	11 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	4	C032CB9701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.7 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	4	C032CB9701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	13 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	4	C032CB9701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.2 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	4	C032CB9701	EPA 8270-M	U	CHRYSENE	4.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	4	C032CB9701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	4	C032CB9701	EPA 8270-M	U	FLUORANTHENE	4.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	4	C032CB9701	EPA 8270-M	U	FLUORENE	6.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	4	C032CB9701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	13 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	4	C032CB9701	EPA 8270-M	U	NAPHTHALENE	0.79 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	4	C032CB9701	EPA 8270-M	U	PHENANTHRENE	1.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-100	SB	REG	4	C032CB9701	EPA 8270-M	U	PYRENE	11 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-101	SB	REG	0.5	C032CB0001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0.5	C032CB0001	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0.5	C032CB0001	EPA 8270-M	U	ACENAPHTHYLENE	3.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0.5	C032CB0001	EPA 8270-M	U	ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0.5	C032CB0001	EPA 8270-M	U	BENZ(A)ANTHRACENE	19 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-101	SB	REG	0.5	C032CB0001	EPA 8270-M	U	BENZO(A)PYRENE	49 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0.5	C032CB0001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	41 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0.5	C032CB0001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	52 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0.5	C032CB0001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	26 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0.5	C032CB0001	EPA 8270-M	U	CHRYSENE	27 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0.5	C032CB0001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0.5	C032CB0001	EPA 8270-M	U	FLUORANTHENE	34 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0.5	C032CB0001	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0.5	C032CB0001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	31 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0.5	C032CB0001	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0.5	C032CB0001	EPA 8270-M	U	PHENANTHRENE	10 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0.5	C032CB0001	EPA 8270-M	U	PYRENE	62 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0	C032CB9901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0	C032CB9901	EPA 8270-M	U	ACENAPHTHENE	9.4 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0	C032CB9901	EPA 8270-M	U	ACENAPHTHYLENE	76 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0	C032CB9901	EPA 8270-M	U	ANTHRACENE	45 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0	C032CB9901	EPA 8270-M	U	BENZ(A)ANTHRACENE	400 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0	C032CB9901	EPA 8270-M	U	BENZO(A)PYRENE	800 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0	C032CB9901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	550 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0	C032CB9901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	660 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0	C032CB9901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	530 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0	C032CB9901	EPA 8270-M	U	CHRYSENE	510 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0	C032CB9901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	87 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0	C032CB9901	EPA 8270-M	U	FLUORANTHENE	820 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0	C032CB9901	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0	C032CB9901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	430 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0	C032CB9901	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-101	SB	REG	0	C032CB9901	EPA 8270-M	U	PHENANTHRENE	230 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	0	C032CB9901	EPA 8270-M	U	PYRENE	1100 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	2	C032CC0101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	2	C032CC0101	EPA 8270-M	U	ACENAPHTHENE	2.4 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	2	C032CC0101	EPA 8270-M	U	ACENAPHTHYLENE	9.9 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	2	C032CC0101	EPA 8270-M	U	ANTHRACENE	33 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	2	C032CC0101	EPA 8270-M	U	BENZ(A)ANTHRACENE	46 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	2	C032CC0101	EPA 8270-M	U	BENZO(A)PYRENE	110 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	2	C032CC0101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	91 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	2	C032CC0101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	120 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	2	C032CC0101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	72 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	2	C032CC0101	EPA 8270-M	U	CHRYSENE	66 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	2	C032CC0101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	14 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	2	C032CC0101	EPA 8270-M	U	FLUORANTHENE	100 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	2	C032CC0101	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	2	C032CC0101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	72 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	2	C032CC0101	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	2	C032CC0101	EPA 8270-M	U	PHENANTHRENE	53 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	2	C032CC0101	EPA 8270-M	U	PYRENE	140 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.9 UG/KG	J	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	BENZO(A)PYRENE	5.1 UG/KG	J	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.8 UG/KG	J	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.1 UG/KG	J	R	000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.9 UG/KG	J	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	CHRYSENE	3.3 UG/KG	J	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	FLUORANTHENE	6 UG/KG		R	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.7 UG/KG	J	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	PHENANTHRENE	4.3 UG/KG	J	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	PYRENE	8.2 UG/KG		R	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	RA0 REG	5/23/2002	5/28/2002	5/29/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	RA0 REG	5/23/2002	5/28/2002	5/29/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	J	J	RA0 REG	5/23/2002	5/28/2002	5/29/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	ANTHRACENE	3.2 UG/KG	J	J	RA0 REG	5/23/2002	5/28/2002	5/29/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	BENZ(A)ANTHRACENE	27 UG/KG			RA0 REG	5/23/2002	5/28/2002	5/29/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	BENZO(A)PYRENE	58 UG/KG			RA0 REG	5/23/2002	5/28/2002	5/29/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	41 UG/KG			RA0 REG	5/23/2002	5/28/2002	5/29/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	69 UG/KG			RA0 REG	5/23/2002	5/28/2002	5/29/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	33 UG/KG			RA0 REG	5/23/2002	5/28/2002	5/29/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	CHRYSENE	34 UG/KG			RA0 REG	5/23/2002	5/28/2002	5/29/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	RA0 REG	5/23/2002	5/28/2002	5/29/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	FLUORANTHENE	54 UG/KG			RA0 REG	5/23/2002	5/28/2002	5/29/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	RA0 REG	5/23/2002	5/28/2002	5/29/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	42 UG/KG			RA0 REG	5/23/2002	5/28/2002	5/29/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	NAPHTHALENE	2.2 UG/KG	J	J	RA0 REG	5/23/2002	5/28/2002	5/29/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	PHENANTHRENE	17 UG/KG			RA0 REG	5/23/2002	5/28/2002	5/29/2002
32EDC-5-101	SB	REG	4	C032CC0201	EPA 8270-M	U	PYRENE	73 UG/KG			RA0 REG	5/23/2002	5/28/2002	5/29/2002
32EDC-5-102	SB	REG	0	C032CC0301	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.67 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-102	SB	REG	0	C032CC0301	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0	C032CC0301	EPA 8270-M	U	ACENAPHTHYLENE	1.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0	C032CC0301	EPA 8270-M	U	ANTHRACENE	1.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0	C032CC0301	EPA 8270-M	U	BENZ(A)ANTHRACENE	10 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0	C032CC0301	EPA 8270-M	U	BENZO(A)PYRENE	17 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0	C032CC0301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	11 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0	C032CC0301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	13 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0	C032CC0301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	15 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0	C032CC0301	EPA 8270-M	U	CHRYSENE	15 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0	C032CC0301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0	C032CC0301	EPA 8270-M	U	FLUORANTHENE	21 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0	C032CC0301	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0	C032CC0301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	9.6 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0	C032CC0301	EPA 8270-M	U	NAPHTHALENE	0.66 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0	C032CC0301	EPA 8270-M	U	PHENANTHRENE	9.3 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0	C032CC0301	EPA 8270-M	U	PYRENE	27 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0.5	C032CC0401	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0.5	C032CC0401	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0.5	C032CC0401	EPA 8270-M	U	ACENAPHTHYLENE	1.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0.5	C032CC0401	EPA 8270-M	U	ANTHRACENE	2.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0.5	C032CC0401	EPA 8270-M	U	BENZ(A)ANTHRACENE	9.6 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0.5	C032CC0401	EPA 8270-M	U	BENZO(A)PYRENE	13 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0.5	C032CC0401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.6 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0.5	C032CC0401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.6 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0.5	C032CC0401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	12 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0.5	C032CC0401	EPA 8270-M	U	CHRYSENE	14 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0.5	C032CC0401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-102	SB	REG	0.5	C032CC0401	EPA 8270-M	U	FLUORANTHENE	16 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0.5	C032CC0401	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0.5	C032CC0401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0.5	C032CC0401	EPA 8270-M	U	NAPHTHALENE	0.65 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0.5	C032CC0401	EPA 8270-M	U	PHENANTHRENE	10 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	0.5	C032CC0401	EPA 8270-M	U	PYRENE	18 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-102	SB	REG	2	C032CC0501	EPA 8270-M	U	2-METHYLNAPHTHALENE	33 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/4/2002
32EDC-5-102	SB	REG	2	C032CC0501	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/4/2002
32EDC-5-102	SB	REG	2	C032CC0501	EPA 8270-M	U	ACENAPHTHYLENE	1.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/4/2002
32EDC-5-102	SB	REG	2	C032CC0501	EPA 8270-M	U	ANTHRACENE	3.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/4/2002
32EDC-5-102	SB	REG	2	C032CC0501	EPA 8270-M	U	BENZ(A)ANTHRACENE	14 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/4/2002
32EDC-5-102	SB	REG	2	C032CC0501	EPA 8270-M	U	BENZO(A)PYRENE	22 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/4/2002
32EDC-5-102	SB	REG	2	C032CC0501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	33 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/4/2002
32EDC-5-102	SB	REG	2	C032CC0501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	26 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/4/2002
32EDC-5-102	SB	REG	2	C032CC0501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	16 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/4/2002
32EDC-5-102	SB	REG	2	C032CC0501	EPA 8270-M	U	CHRYSENE	72 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/4/2002
32EDC-5-102	SB	REG	2	C032CC0501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	8.7 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/4/2002
32EDC-5-102	SB	REG	2	C032CC0501	EPA 8270-M	U	FLUORANTHENE	32 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/4/2002
32EDC-5-102	SB	REG	2	C032CC0501	EPA 8270-M	U	FLUORENE	3.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/4/2002
32EDC-5-102	SB	REG	2	C032CC0501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.9 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/4/2002
32EDC-5-102	SB	REG	2	C032CC0501	EPA 8270-M	U	NAPHTHALENE	14 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/4/2002
32EDC-5-102	SB	REG	2	C032CC0501	EPA 8270-M	U	PHENANTHRENE	46 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/4/2002
32EDC-5-102	SB	REG	2	C032CC0501	EPA 8270-M	U	PYRENE	37 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/4/2002
32EDC-5-102	SB	REG	4	C032CC0601	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/5/2002
32EDC-5-102	SB	REG	4	C032CC0601	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/5/2002
32EDC-5-102	SB	REG	4	C032CC0601	EPA 8270-M	U	ACENAPHTHYLENE	2.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/5/2002
32EDC-5-102	SB	REG	4	C032CC0601	EPA 8270-M	U	ANTHRACENE	4.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/5/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-102	SB	REG	4	C032CC0601	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/5/2002
32EDC-5-102	SB	REG	4	C032CC0601	EPA 8270-M	U	BENZO(A)PYRENE	49 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/5/2002
32EDC-5-102	SB	REG	4	C032CC0601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	38 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/5/2002
32EDC-5-102	SB	REG	4	C032CC0601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	43 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/5/2002
32EDC-5-102	SB	REG	4	C032CC0601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	23 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/5/2002
32EDC-5-102	SB	REG	4	C032CC0601	EPA 8270-M	U	CHRYSENE	35 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/5/2002
32EDC-5-102	SB	REG	4	C032CC0601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/5/2002
32EDC-5-102	SB	REG	4	C032CC0601	EPA 8270-M	U	FLUORANTHENE	24 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/5/2002
32EDC-5-102	SB	REG	4	C032CC0601	EPA 8270-M	U	FLUORENE	1.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/5/2002
32EDC-5-102	SB	REG	4	C032CC0601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	22 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/5/2002
32EDC-5-102	SB	REG	4	C032CC0601	EPA 8270-M	U	NAPHTHALENE	4.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/5/2002
32EDC-5-102	SB	REG	4	C032CC0601	EPA 8270-M	U	PHENANTHRENE	13 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/5/2002
32EDC-5-102	SB	REG	4	C032CC0601	EPA 8270-M	U	PYRENE	32 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/5/2002
32EDC-5-103	SB	FD	0.5	C032CC0901	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	FD	0.5	C032CC0901	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	FD	0.5	C032CC0901	EPA 8270-M	U	ACENAPHTHYLENE	6.4 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	FD	0.5	C032CC0901	EPA 8270-M	U	ANTHRACENE	6.9 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	FD	0.5	C032CC0901	EPA 8270-M	U	BENZ(A)ANTHRACENE	39 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	FD	0.5	C032CC0901	EPA 8270-M	U	BENZO(A)PYRENE	68 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	FD	0.5	C032CC0901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	48 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	FD	0.5	C032CC0901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	51 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	FD	0.5	C032CC0901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	49 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	FD	0.5	C032CC0901	EPA 8270-M	U	CHRYSENE	50 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	FD	0.5	C032CC0901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9.8 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	FD	0.5	C032CC0901	EPA 8270-M	U	FLUORANTHENE	96 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	FD	0.5	C032CC0901	EPA 8270-M	U	FLUORENE	1.6 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	FD	0.5	C032CC0901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	62 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-103	SB	FD	0.5	C032CC0901	EPA 8270-M	U	NAPHTHALENE	3.9 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	FD	0.5	C032CC0901	EPA 8270-M	U	PHENANTHRENE	25 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	FD	0.5	C032CC0901	EPA 8270-M	U	PYRENE	120 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0	C032CC0701	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.6 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0	C032CC0701	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0	C032CC0701	EPA 8270-M	U	ACENAPHTHYLENE	1.1 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0	C032CC0701	EPA 8270-M	U	ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0	C032CC0701	EPA 8270-M	U	BENZ(A)ANTHRACENE	17 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0	C032CC0701	EPA 8270-M	U	BENZO(A)PYRENE	22 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0	C032CC0701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	22 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0	C032CC0701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	18 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0	C032CC0701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	21 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0	C032CC0701	EPA 8270-M	U	CHRYSENE	25 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0	C032CC0701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.6 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0	C032CC0701	EPA 8270-M	U	FLUORANTHENE	38 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0	C032CC0701	EPA 8270-M	U	FLUORENE	1.7 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0	C032CC0701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	18 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0	C032CC0701	EPA 8270-M	U	NAPHTHALENE	2.7 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0	C032CC0701	EPA 8270-M	U	PHENANTHRENE	17 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0	C032CC0701	EPA 8270-M	U	PYRENE	47 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0.5	C032CC0801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.8 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0.5	C032CC0801	EPA 8270-M	U	ACENAPHTHENE	15 UG/KG	JQ	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0.5	C032CC0801	EPA 8270-M	U	ACENAPHTHYLENE	53 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0.5	C032CC0801	EPA 8270-M	U	ANTHRACENE	45 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0.5	C032CC0801	EPA 8270-M	U	BENZ(A)ANTHRACENE	600 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0.5	C032CC0801	EPA 8270-M	U	BENZO(A)PYRENE	650 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0.5	C032CC0801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	660 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-103	SB	REG	0.5	C032CC0801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	270 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0.5	C032CC0801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	650 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0.5	C032CC0801	EPA 8270-M	U	CHRYSENE	750 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0.5	C032CC0801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	120 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0.5	C032CC0801	EPA 8270-M	U	FLUORANTHENE	930 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0.5	C032CC0801	EPA 8270-M	U	FLUORENE	53 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0.5	C032CC0801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	420 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0.5	C032CC0801	EPA 8270-M	U	NAPHTHALENE	8.6 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0.5	C032CC0801	EPA 8270-M	U	PHENANTHRENE	210 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	0.5	C032CC0801	EPA 8270-M	U	PYRENE	960 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	2	C032CC1001	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.88 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	2	C032CC1001	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	2	C032CC1001	EPA 8270-M	U	ACENAPHTHYLENE	1.8 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	2	C032CC1001	EPA 8270-M	U	ANTHRACENE	2 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	2	C032CC1001	EPA 8270-M	U	BENZ(A)ANTHRACENE	14 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	2	C032CC1001	EPA 8270-M	U	BENZO(A)PYRENE	25 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	2	C032CC1001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	24 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	2	C032CC1001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	27 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	2	C032CC1001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	17 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	2	C032CC1001	EPA 8270-M	U	CHRYSENE	19 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	2	C032CC1001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	2	C032CC1001	EPA 8270-M	U	FLUORANTHENE	35 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	2	C032CC1001	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	2	C032CC1001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	30 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	2	C032CC1001	EPA 8270-M	U	NAPHTHALENE	2.1 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	2	C032CC1001	EPA 8270-M	U	PHENANTHRENE	8.6 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	2	C032CC1001	EPA 8270-M	U	PYRENE	44 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-103	SB	REG	4	C032CC1101	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	4	C032CC1101	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	4	C032CC1101	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	4	C032CC1101	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	4	C032CC1101	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.83 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	4	C032CC1101	EPA 8270-M	U	BENZO(A)PYRENE	1.7 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	4	C032CC1101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	4	C032CC1101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.4 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	4	C032CC1101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	4	C032CC1101	EPA 8270-M	U	CHRYSENE	1.3 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	4	C032CC1101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	4	C032CC1101	EPA 8270-M	U	FLUORANTHENE	1.1 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	4	C032CC1101	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	4	C032CC1101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.4 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	4	C032CC1101	EPA 8270-M	U	NAPHTHALENE	0.4 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	4	C032CC1101	EPA 8270-M	U	PHENANTHRENE	0.44 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-103	SB	REG	4	C032CC1101	EPA 8270-M	U	PYRENE	3.6 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-104	SB	REG	0	C032CC1201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0	C032CC1201	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0	C032CC1201	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0	C032CC1201	EPA 8270-M	U	ANTHRACENE	2.6 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0	C032CC1201	EPA 8270-M	U	BENZ(A)ANTHRACENE	7.5 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0	C032CC1201	EPA 8270-M	U	BENZO(A)PYRENE	11 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0	C032CC1201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	12 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0	C032CC1201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	12 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0	C032CC1201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.4 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0	C032CC1201	EPA 8270-M	U	CHRYSENE	8.6 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-104	SB	REG	0	C032CC1201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0	C032CC1201	EPA 8270-M	U	FLUORANTHENE	14 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0	C032CC1201	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0	C032CC1201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	11 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0	C032CC1201	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0	C032CC1201	EPA 8270-M	U	PHENANTHRENE	6.9 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0	C032CC1201	EPA 8270-M	U	PYRENE	19 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0.5	C032CC1301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0.5	C032CC1301	EPA 8270-M	U	ACENAPHTHENE	3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0.5	C032CC1301	EPA 8270-M	U	ACENAPHTHYLENE	3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0.5	C032CC1301	EPA 8270-M	U	ANTHRACENE	6 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0.5	C032CC1301	EPA 8270-M	U	BENZ(A)ANTHRACENE	43 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0.5	C032CC1301	EPA 8270-M	U	BENZO(A)PYRENE	84 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0.5	C032CC1301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	89 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0.5	C032CC1301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	120 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0.5	C032CC1301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	28 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0.5	C032CC1301	EPA 8270-M	U	CHRYSENE	57 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0.5	C032CC1301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9.4 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0.5	C032CC1301	EPA 8270-M	U	FLUORANTHENE	92 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0.5	C032CC1301	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0.5	C032CC1301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	120 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0.5	C032CC1301	EPA 8270-M	U	NAPHTHALENE	6 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0.5	C032CC1301	EPA 8270-M	U	PHENANTHRENE	23 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	0.5	C032CC1301	EPA 8270-M	U	PYRENE	100 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	2	C032CC1401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	2	C032CC1401	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	2	C032CC1401	EPA 8270-M	U	ACENAPHTHYLENE	4.5 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002

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Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-104	SB	REG	2	C032CC1401	EPA 8270-M	U	ANTHRACENE	6.8 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	2	C032CC1401	EPA 8270-M	U	BENZ(A)ANTHRACENE	33 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	2	C032CC1401	EPA 8270-M	U	BENZO(A)PYRENE	64 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	2	C032CC1401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	66 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	2	C032CC1401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	78 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	2	C032CC1401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	20 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	2	C032CC1401	EPA 8270-M	U	CHRYSENE	41 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	2	C032CC1401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	8.5 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	2	C032CC1401	EPA 8270-M	U	FLUORANTHENE	60 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	2	C032CC1401	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	2	C032CC1401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	75 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	2	C032CC1401	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	2	C032CC1401	EPA 8270-M	U	PHENANTHRENE	22 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	2	C032CC1401	EPA 8270-M	U	PYRENE	74 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	4	C032CC1501	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	4	C032CC1501	EPA 8270-M	U	ACENAPHTHENE	3.3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	4	C032CC1501	EPA 8270-M	U	ACENAPHTHYLENE	6.4 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	4	C032CC1501	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	4	C032CC1501	EPA 8270-M	U	BENZ(A)ANTHRACENE	41 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	4	C032CC1501	EPA 8270-M	U	BENZO(A)PYRENE	92 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	4	C032CC1501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	78 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	4	C032CC1501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	81 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	4	C032CC1501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	21 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	4	C032CC1501	EPA 8270-M	U	CHRYSENE	33 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	4	C032CC1501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	4	C032CC1501	EPA 8270-M	U	FLUORANTHENE	42 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	4	C032CC1501	EPA 8270-M	U	FLUORENE	1.4 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-104	SB	REG	4	C032CC1501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	79 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	4	C032CC1501	EPA 8270-M	U	NAPHTHALENE	7 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	4	C032CC1501	EPA 8270-M	U	PHENANTHRENE	10 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-104	SB	REG	4	C032CC1501	EPA 8270-M	U	PYRENE	210 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	FD	4	C032CC2001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	FD	4	C032CC2001	EPA 8270-M	U	ACENAPHTHENE	4.2 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	FD	4	C032CC2001	EPA 8270-M	U	ACENAPHTHYLENE	19 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	FD	4	C032CC2001	EPA 8270-M	U	ANTHRACENE	29 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	FD	4	C032CC2001	EPA 8270-M	U	BENZ(A)ANTHRACENE	150 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	FD	4	C032CC2001	EPA 8270-M	U	BENZO(A)PYRENE	230 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	FD	4	C032CC2001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	240 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	FD	4	C032CC2001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	230 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	FD	4	C032CC2001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	69 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	FD	4	C032CC2001	EPA 8270-M	U	CHRYSENE	170 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	FD	4	C032CC2001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	24 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	FD	4	C032CC2001	EPA 8270-M	U	FLUORANTHENE	350 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	FD	4	C032CC2001	EPA 8270-M	U	FLUORENE	6.3 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	FD	4	C032CC2001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	240 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	FD	4	C032CC2001	EPA 8270-M	U	NAPHTHALENE	7.1 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	FD	4	C032CC2001	EPA 8270-M	U	PHENANTHRENE	150 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	FD	4	C032CC2001	EPA 8270-M	U	PYRENE	420 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0	C032CC1601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0	C032CC1601	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0	C032CC1601	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0	C032CC1601	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0	C032CC1601	EPA 8270-M	U	BENZ(A)ANTHRACENE	10 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0	C032CC1601	EPA 8270-M	U	BENZO(A)PYRENE	18 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-105	SB	REG	0	C032CC1601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	18 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0	C032CC1601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	20 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0	C032CC1601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0	C032CC1601	EPA 8270-M	U	CHRYSENE	11 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0	C032CC1601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0	C032CC1601	EPA 8270-M	U	FLUORANTHENE	17 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0	C032CC1601	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0	C032CC1601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	19 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0	C032CC1601	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0	C032CC1601	EPA 8270-M	U	PHENANTHRENE	3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0	C032CC1601	EPA 8270-M	U	PYRENE	22 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0.5	C032CC1701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0.5	C032CC1701	EPA 8270-M	U	ACENAPHTHENE	1.8 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0.5	C032CC1701	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0.5	C032CC1701	EPA 8270-M	U	ANTHRACENE	11 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0.5	C032CC1701	EPA 8270-M	U	BENZ(A)ANTHRACENE	44 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0.5	C032CC1701	EPA 8270-M	U	BENZO(A)PYRENE	34 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0.5	C032CC1701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	42 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0.5	C032CC1701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	24 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0.5	C032CC1701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	15 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0.5	C032CC1701	EPA 8270-M	U	CHRYSENE	44 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0.5	C032CC1701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.7 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0.5	C032CC1701	EPA 8270-M	U	FLUORANTHENE	74 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0.5	C032CC1701	EPA 8270-M	U	FLUORENE	2.2 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0.5	C032CC1701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	27 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0.5	C032CC1701	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	0.5	C032CC1701	EPA 8270-M	U	PHENANTHRENE	47 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-105	SB	REG	0.5	C032CC1701	EPA 8270-M	U	PYRENE	80 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	2	C032CC1801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	2	C032CC1801	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	2	C032CC1801	EPA 8270-M	U	ACENAPHTHYLENE	1.7 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	2	C032CC1801	EPA 8270-M	U	ANTHRACENE	3.6 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	2	C032CC1801	EPA 8270-M	U	BENZ(A)ANTHRACENE	24 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	2	C032CC1801	EPA 8270-M	U	BENZO(A)PYRENE	53 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	2	C032CC1801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	54 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	2	C032CC1801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	61 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	2	C032CC1801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	13 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	2	C032CC1801	EPA 8270-M	U	CHRYSENE	36 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	2	C032CC1801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.6 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	2	C032CC1801	EPA 8270-M	U	FLUORANTHENE	26 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	2	C032CC1801	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	2	C032CC1801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	61 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	2	C032CC1801	EPA 8270-M	U	NAPHTHALENE	2.2 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	2	C032CC1801	EPA 8270-M	U	PHENANTHRENE	7.7 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	2	C032CC1801	EPA 8270-M	U	PYRENE	75 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	4	C032CC1901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	4	C032CC1901	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	4	C032CC1901	EPA 8270-M	U	ACENAPHTHYLENE	21 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	4	C032CC1901	EPA 8270-M	U	ANTHRACENE	29 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	4	C032CC1901	EPA 8270-M	U	BENZ(A)ANTHRACENE	180 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	4	C032CC1901	EPA 8270-M	U	BENZO(A)PYRENE	290 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	4	C032CC1901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	310 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	4	C032CC1901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	300 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	4	C032CC1901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	92 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-105	SB	REG	4	C032CC1901	EPA 8270-M	U	CHRYSENE	220 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	4	C032CC1901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	32 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	4	C032CC1901	EPA 8270-M	U	FLUORANTHENE	450 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	4	C032CC1901	EPA 8270-M	U	FLUORENE	5.7 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	4	C032CC1901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	320 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	4	C032CC1901	EPA 8270-M	U	NAPHTHALENE	10 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	4	C032CC1901	EPA 8270-M	U	PHENANTHRENE	140 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-105	SB	REG	4	C032CC1901	EPA 8270-M	U	PYRENE	530 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-106	SB	REG	0	C032CC2101	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.39 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-106	SB	REG	0	C032CC2101	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	UJ	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-106	SB	REG	0	C032CC2101	EPA 8270-M	U	ACENAPHTHYLENE	1.3 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-106	SB	REG	0	C032CC2101	EPA 8270-M	U	ANTHRACENE	0.68 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-106	SB	REG	0	C032CC2101	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.4 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-106	SB	REG	0	C032CC2101	EPA 8270-M	U	BENZO(A)PYRENE	8.7 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-106	SB	REG	0	C032CC2101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.4 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-106	SB	REG	0	C032CC2101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	14 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-106	SB	REG	0	C032CC2101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.5 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-106	SB	REG	0	C032CC2101	EPA 8270-M	U	CHRYSENE	5.5 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-106	SB	REG	0	C032CC2101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-106	SB	REG	0	C032CC2101	EPA 8270-M	U	FLUORANTHENE	12 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-106	SB	REG	0	C032CC2101	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	UJ	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-106	SB	REG	0	C032CC2101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	10 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-106	SB	REG	0	C032CC2101	EPA 8270-M	U	NAPHTHALENE	0.58 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-106	SB	REG	0	C032CC2101	EPA 8270-M	U	PHENANTHRENE	4.3 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-106	SB	REG	0	C032CC2101	EPA 8270-M	U	PYRENE	16 UG/KG		J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-106	SB	REG	0.5	C032CC2201	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.36 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	0.5	C032CC2201	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-106	SB	REG	0.5	C032CC2201	EPA 8270-M	U	ACENAPHTHYLENE	3.1 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	0.5	C032CC2201	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	0.5	C032CC2201	EPA 8270-M	U	BENZ(A)ANTHRACENE	23 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	0.5	C032CC2201	EPA 8270-M	U	BENZO(A)PYRENE	35 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	0.5	C032CC2201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	24 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	0.5	C032CC2201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	27 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	0.5	C032CC2201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	31 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	0.5	C032CC2201	EPA 8270-M	U	CHRYSENE	29 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	0.5	C032CC2201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	0.5	C032CC2201	EPA 8270-M	U	FLUORANTHENE	60 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	0.5	C032CC2201	EPA 8270-M	U	FLUORENE	1.5 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	0.5	C032CC2201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	23 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	0.5	C032CC2201	EPA 8270-M	U	NAPHTHALENE	0.87 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	0.5	C032CC2201	EPA 8270-M	U	PHENANTHRENE	37 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	0.5	C032CC2201	EPA 8270-M	U	PYRENE	75 UG/KG		J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	2	C032CC2301	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.74 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	2	C032CC2301	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	2	C032CC2301	EPA 8270-M	U	ACENAPHTHYLENE	1.5 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	2	C032CC2301	EPA 8270-M	U	ANTHRACENE	0.9 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	2	C032CC2301	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.2 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	2	C032CC2301	EPA 8270-M	U	BENZO(A)PYRENE	19 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	2	C032CC2301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	15 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	2	C032CC2301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	19 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	2	C032CC2301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	16 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	2	C032CC2301	EPA 8270-M	U	CHRYSENE	12 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	2	C032CC2301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	2	C032CC2301	EPA 8270-M	U	FLUORANTHENE	26 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-106	SB	REG	2	C032CC2301	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	2	C032CC2301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	15 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	2	C032CC2301	EPA 8270-M	U	NAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	2	C032CC2301	EPA 8270-M	U	PHENANTHRENE	7.6 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	2	C032CC2301	EPA 8270-M	U	PYRENE	39 UG/KG		J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	4	C032CC2401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	UJ	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	4	C032CC2401	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	4	C032CC2401	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	4	C032CC2401	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	4	C032CC2401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	4	C032CC2401	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	4	C032CC2401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	4	C032CC2401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.3 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	4	C032CC2401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	4	C032CC2401	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	4	C032CC2401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	4	C032CC2401	EPA 8270-M	U	FLUORANTHENE	0.52 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	4	C032CC2401	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	4	C032CC2401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.62 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	4	C032CC2401	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	UJ	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	4	C032CC2401	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-106	SB	REG	4	C032CC2401	EPA 8270-M	U	PYRENE	0.95 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-107	SB	REG	0	C032CC2501	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0	C032CC2501	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0	C032CC2501	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0	C032CC2501	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0	C032CC2501	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.8 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-107	SB	REG	0	C032CC2501	EPA 8270-M	U	BENZO(A)PYRENE	12 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0	C032CC2501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	11 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0	C032CC2501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	11 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0	C032CC2501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9.2 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0	C032CC2501	EPA 8270-M	U	CHRYSENE	14 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0	C032CC2501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0	C032CC2501	EPA 8270-M	U	FLUORANTHENE	12 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0	C032CC2501	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0	C032CC2501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.6 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0	C032CC2501	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0	C032CC2501	EPA 8270-M	U	PHENANTHRENE	7.7 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0	C032CC2501	EPA 8270-M	U	PYRENE	19 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0.5	C032CC2601	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0.5	C032CC2601	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0.5	C032CC2601	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0.5	C032CC2601	EPA 8270-M	U	ANTHRACENE	3.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0.5	C032CC2601	EPA 8270-M	U	BENZ(A)ANTHRACENE	14 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0.5	C032CC2601	EPA 8270-M	U	BENZO(A)PYRENE	21 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0.5	C032CC2601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	19 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0.5	C032CC2601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	19 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0.5	C032CC2601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	13 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0.5	C032CC2601	EPA 8270-M	U	CHRYSENE	16 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0.5	C032CC2601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0.5	C032CC2601	EPA 8270-M	U	FLUORANTHENE	38 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0.5	C032CC2601	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0.5	C032CC2601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	17 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0.5	C032CC2601	EPA 8270-M	U	NAPHTHALENE	3.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-107	SB	REG	0.5	C032CC2601	EPA 8270-M	U	PHENANTHRENE	28 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	0.5	C032CC2601	EPA 8270-M	U	PYRENE	49 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	2	C032CC2701	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	2	C032CC2701	EPA 8270-M	U	ACENAPHTHENE	6.7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	2	C032CC2701	EPA 8270-M	U	ACENAPHTHYLENE	2.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	2	C032CC2701	EPA 8270-M	U	ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	2	C032CC2701	EPA 8270-M	U	BENZ(A)ANTHRACENE	28 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	2	C032CC2701	EPA 8270-M	U	BENZO(A)PYRENE	44 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	2	C032CC2701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	36 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	2	C032CC2701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	44 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	2	C032CC2701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	28 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	2	C032CC2701	EPA 8270-M	U	CHRYSENE	40 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	2	C032CC2701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	2	C032CC2701	EPA 8270-M	U	FLUORANTHENE	48 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	2	C032CC2701	EPA 8270-M	U	FLUORENE	6.7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	2	C032CC2701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	34 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	2	C032CC2701	EPA 8270-M	U	NAPHTHALENE	3.3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	2	C032CC2701	EPA 8270-M	U	PHENANTHRENE	21 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	2	C032CC2701	EPA 8270-M	U	PYRENE	80 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	4	C032CC2801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	4	C032CC2801	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	4	C032CC2801	EPA 8270-M	U	ACENAPHTHYLENE	1.7 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	4	C032CC2801	EPA 8270-M	U	ANTHRACENE	2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	4	C032CC2801	EPA 8270-M	U	BENZ(A)ANTHRACENE	14 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	4	C032CC2801	EPA 8270-M	U	BENZO(A)PYRENE	21 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	4	C032CC2801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	26 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	4	C032CC2801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	21 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-107	SB	REG	4	C032CC2801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.8 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	4	C032CC2801	EPA 8270-M	U	CHRYSENE	20 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	4	C032CC2801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	4	C032CC2801	EPA 8270-M	U	FLUORANTHENE	25 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	4	C032CC2801	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	4	C032CC2801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	18 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	4	C032CC2801	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	4	C032CC2801	EPA 8270-M	U	PHENANTHRENE	12 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-107	SB	REG	4	C032CC2801	EPA 8270-M	U	PYRENE	35 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-108	SB	FD	0.5	C032CC3101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	FD	0.5	C032CC3101	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	FD	0.5	C032CC3101	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	FD	0.5	C032CC3101	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	FD	0.5	C032CC3101	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.6 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	FD	0.5	C032CC3101	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	FD	0.5	C032CC3101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	10 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	FD	0.5	C032CC3101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	12 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	FD	0.5	C032CC3101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	FD	0.5	C032CC3101	EPA 8270-M	U	CHRYSENE	9.4 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	FD	0.5	C032CC3101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	FD	0.5	C032CC3101	EPA 8270-M	U	FLUORANTHENE	18 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	FD	0.5	C032CC3101	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	FD	0.5	C032CC3101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	11 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	FD	0.5	C032CC3101	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	FD	0.5	C032CC3101	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	FD	0.5	C032CC3101	EPA 8270-M	U	PYRENE	26 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0	C032CC2901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-108	SB	REG	0	C032CC2901	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0	C032CC2901	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0	C032CC2901	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0	C032CC2901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0	C032CC2901	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0	C032CC2901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0	C032CC2901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0	C032CC2901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0	C032CC2901	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0	C032CC2901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0	C032CC2901	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0	C032CC2901	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0	C032CC2901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0	C032CC2901	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0	C032CC2901	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0	C032CC2901	EPA 8270-M	U	PYRENE	2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0.5	C032CC3001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0.5	C032CC3001	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0.5	C032CC3001	EPA 8270-M	U	ACENAPHTHYLENE	2.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0.5	C032CC3001	EPA 8270-M	U	ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0.5	C032CC3001	EPA 8270-M	U	BENZ(A)ANTHRACENE	14 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0.5	C032CC3001	EPA 8270-M	U	BENZO(A)PYRENE	21 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0.5	C032CC3001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	22 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0.5	C032CC3001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	19 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0.5	C032CC3001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.8 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0.5	C032CC3001	EPA 8270-M	U	CHRYSENE	15 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0.5	C032CC3001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-108	SB	REG	0.5	C032CC3001	EPA 8270-M	U	FLUORANTHENE	29 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0.5	C032CC3001	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0.5	C032CC3001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	17 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0.5	C032CC3001	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0.5	C032CC3001	EPA 8270-M	U	PHENANTHRENE	8.9 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	0.5	C032CC3001	EPA 8270-M	U	PYRENE	42 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	2-METHYLNAPHTHALENE	1200 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	ACENAPHTHENE	2400 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	ACENAPHTHYLENE	1800 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	ANTHRACENE	2900 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	BENZ(A)ANTHRACENE	6100 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	BENZO(A)PYRENE	9700 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8700 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5100 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2200 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	CHRYSENE	5700 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1100 UG/KG		R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	FLUORANTHENE	6500 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	FLUORENE	2600 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6600 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	NAPHTHALENE	2000 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	PHENANTHRENE	5600 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	PYRENE	5000 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	2-METHYLNAPHTHALENE	1300 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	ACENAPHTHENE	2900 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	ACENAPHTHYLENE	3000 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	ANTHRACENE	7200 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	BENZ(A)ANTHRACENE	8300 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	BENZO(A)PYRENE	9900 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5800 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5300 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3000 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	CHRYSENE	8500 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	810 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	FLUORANTHENE	24000 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	FLUORENE	3500 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6500 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	NAPHTHALENE	2200 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	PHENANTHRENE	32000 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	2	C032CC3201	EPA 8270-M	U	PYRENE	29000 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	2-METHYLNAPHTHALENE	11 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	ACENAPHTHENE	43 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	ACENAPHTHYLENE	340 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	ANTHRACENE	830 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	BENZ(A)ANTHRACENE	2300 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	BENZO(A)PYRENE	3500 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2900 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2100 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	920 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	CHRYSENE	2300 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	400 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	FLUORANTHENE	3200 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	FLUORENE	110 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2600 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	NAPHTHALENE	51 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	PHENANTHRENE	1900 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	PYRENE	2900 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	2-METHYLNAPHTHALENE	580 UG/KG	U	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	ACENAPHTHENE	580 UG/KG	U	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	ACENAPHTHYLENE	360 UG/KG	JD	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	ANTHRACENE	740 UG/KG	D	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	BENZ(A)ANTHRACENE	2300 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	BENZO(A)PYRENE	3200 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2100 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2000 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	850 UG/KG	D	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	CHRYSENE	2400 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	290 UG/KG	JD	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	FLUORANTHENE	5300 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	FLUORENE	140 UG/KG	JD	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2200 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	NAPHTHALENE	580 UG/KG	U	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	PHENANTHRENE	2400 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-108	SB	REG	4	C032CC3301	EPA 8270-M	U	PYRENE	7500 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-109	SB	REG	0	C032CC3401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0	C032CC3401	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0	C032CC3401	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0	C032CC3401	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0	C032CC3401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0	C032CC3401	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0	C032CC3401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-109	SB	REG	0	C032CC3401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0	C032CC3401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0	C032CC3401	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0	C032CC3401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0	C032CC3401	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0	C032CC3401	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0	C032CC3401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0	C032CC3401	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0	C032CC3401	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0	C032CC3401	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0.5	C032CC3501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0.5	C032CC3501	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0.5	C032CC3501	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0.5	C032CC3501	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0.5	C032CC3501	EPA 8270-M	U	BENZ(A)ANTHRACENE	7.6 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0.5	C032CC3501	EPA 8270-M	U	BENZO(A)PYRENE	13 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0.5	C032CC3501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	9.2 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0.5	C032CC3501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	14 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0.5	C032CC3501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8.5 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0.5	C032CC3501	EPA 8270-M	U	CHRYSENE	9.2 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0.5	C032CC3501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0.5	C032CC3501	EPA 8270-M	U	FLUORANTHENE	17 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0.5	C032CC3501	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0.5	C032CC3501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.9 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0.5	C032CC3501	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0.5	C032CC3501	EPA 8270-M	U	PHENANTHRENE	7.3 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	0.5	C032CC3501	EPA 8270-M	U	PYRENE	24 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-109	SB	REG	2	C032CC3601	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.8 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-109	SB	REG	2	C032CC3601	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-109	SB	REG	2	C032CC3601	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-109	SB	REG	2	C032CC3601	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-109	SB	REG	2	C032CC3601	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-109	SB	REG	2	C032CC3601	EPA 8270-M	U	BENZO(A)PYRENE	6.5 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-109	SB	REG	2	C032CC3601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-109	SB	REG	2	C032CC3601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	9.2 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-109	SB	REG	2	C032CC3601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-109	SB	REG	2	C032CC3601	EPA 8270-M	U	CHRYSENE	6.1 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-109	SB	REG	2	C032CC3601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-109	SB	REG	2	C032CC3601	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-109	SB	REG	2	C032CC3601	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-109	SB	REG	2	C032CC3601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-109	SB	REG	2	C032CC3601	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-109	SB	REG	2	C032CC3601	EPA 8270-M	U	PHENANTHRENE	2.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-109	SB	REG	2	C032CC3601	EPA 8270-M	U	PYRENE	8.9 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-109	SB	REG	4	C032CC3701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	4	C032CC3701	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	4	C032CC3701	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	4	C032CC3701	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	4	C032CC3701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	4	C032CC3701	EPA 8270-M	U	BENZO(A)PYRENE	2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	4	C032CC3701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	4	C032CC3701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	4	C032CC3701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	4	C032CC3701	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-109	SB	REG	4	C032CC3701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	4	C032CC3701	EPA 8270-M	U	FLUORANTHENE	2.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	4	C032CC3701	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	4	C032CC3701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	4	C032CC3701	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	4	C032CC3701	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-109	SB	REG	4	C032CC3701	EPA 8270-M	U	PYRENE	3.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-11	SB	REG	0	C032C80301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0	C032C80301	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0	C032C80301	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0	C032C80301	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0	C032C80301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0	C032C80301	EPA 8270-M	U	BENZO(A)PYRENE	0.78 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0	C032C80301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0	C032C80301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.68 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0	C032C80301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0	C032C80301	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0	C032C80301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0	C032C80301	EPA 8270-M	U	FLUORANTHENE	0.75 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0	C032C80301	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0	C032C80301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0	C032C80301	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0	C032C80301	EPA 8270-M	U	PHENANTHRENE	0.41 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0	C032C80301	EPA 8270-M	U	PYRENE	1.1 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0.5	C032C80401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0.5	C032C80401	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0.5	C032C80401	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-11	SB	REG	0.5	C032C80401	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0.5	C032C80401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0.5	C032C80401	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0.5	C032C80401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0.5	C032C80401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0.5	C032C80401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0.5	C032C80401	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0.5	C032C80401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0.5	C032C80401	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0.5	C032C80401	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0.5	C032C80401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0.5	C032C80401	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0.5	C032C80401	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	0.5	C032C80401	EPA 8270-M	U	PYRENE	5.6 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	2	C032C80501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	2	C032C80501	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	2	C032C80501	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	2	C032C80501	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	2	C032C80501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	2	C032C80501	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	2	C032C80501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	2	C032C80501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	2	C032C80501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	2	C032C80501	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	2	C032C80501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	2	C032C80501	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	2	C032C80501	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-11	SB	REG	2	C032C80501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	2	C032C80501	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	2	C032C80501	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	2	C032C80501	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	4	C032C80601	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	4	C032C80601	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	4	C032C80601	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	4	C032C80601	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	4	C032C80601	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	4	C032C80601	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	4	C032C80601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	4	C032C80601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	4	C032C80601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	4	C032C80601	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	4	C032C80601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	4	C032C80601	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	4	C032C80601	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	4	C032C80601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	4	C032C80601	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	4	C032C80601	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-11	SB	REG	4	C032C80601	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-110	SB	FD	4	C032CC4201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	FD	4	C032CC4201	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	FD	4	C032CC4201	EPA 8270-M	U	ACENAPHTHYLENE	3.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	FD	4	C032CC4201	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	FD	4	C032CC4201	EPA 8270-M	U	BENZ(A)ANTHRACENE	27 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	FD	4	C032CC4201	EPA 8270-M	U	BENZO(A)PYRENE	64 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-110	SB	FD	4	C032CC4201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	45 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	FD	4	C032CC4201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	77 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	FD	4	C032CC4201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	38 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	FD	4	C032CC4201	EPA 8270-M	U	CHRYSENE	37 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	FD	4	C032CC4201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	FD	4	C032CC4201	EPA 8270-M	U	FLUORANTHENE	58 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	FD	4	C032CC4201	EPA 8270-M	U	FLUORENE	2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	FD	4	C032CC4201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	65 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	FD	4	C032CC4201	EPA 8270-M	U	NAPHTHALENE	7.3 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	FD	4	C032CC4201	EPA 8270-M	U	PHENANTHRENE	13 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	FD	4	C032CC4201	EPA 8270-M	U	PYRENE	120 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0	C032CC3801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0	C032CC3801	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0	C032CC3801	EPA 8270-M	U	ACENAPHTHYLENE	2.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0	C032CC3801	EPA 8270-M	U	ANTHRACENE	4.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0	C032CC3801	EPA 8270-M	U	BENZ(A)ANTHRACENE	13 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0	C032CC3801	EPA 8270-M	U	BENZO(A)PYRENE	17 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0	C032CC3801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	13 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0	C032CC3801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	21 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0	C032CC3801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	13 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0	C032CC3801	EPA 8270-M	U	CHRYSENE	15 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0	C032CC3801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0	C032CC3801	EPA 8270-M	U	FLUORANTHENE	28 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0	C032CC3801	EPA 8270-M	U	FLUORENE	2.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0	C032CC3801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	19 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0	C032CC3801	EPA 8270-M	U	NAPHTHALENE	2.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0	C032CC3801	EPA 8270-M	U	PHENANTHRENE	20 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-110	SB	REG	0	C032CC3801	EPA 8270-M	U	PYRENE	30 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0.5	C032CC3901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0.5	C032CC3901	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0.5	C032CC3901	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0.5	C032CC3901	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0.5	C032CC3901	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0.5	C032CC3901	EPA 8270-M	U	BENZO(A)PYRENE	3.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0.5	C032CC3901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0.5	C032CC3901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0.5	C032CC3901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0.5	C032CC3901	EPA 8270-M	U	CHRYSENE	2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0.5	C032CC3901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0.5	C032CC3901	EPA 8270-M	U	FLUORANTHENE	2.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0.5	C032CC3901	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0.5	C032CC3901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0.5	C032CC3901	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0.5	C032CC3901	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	0.5	C032CC3901	EPA 8270-M	U	PYRENE	3.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	2	C032CC4001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	2	C032CC4001	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	2	C032CC4001	EPA 8270-M	U	ACENAPHTHYLENE	3.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	2	C032CC4001	EPA 8270-M	U	ANTHRACENE	2.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	2	C032CC4001	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.5 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	2	C032CC4001	EPA 8270-M	U	BENZO(A)PYRENE	34 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	2	C032CC4001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	20 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	2	C032CC4001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	40 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	2	C032CC4001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	17 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-110	SB	REG	2	C032CC4001	EPA 8270-M	U	CHRYSENE	11 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	2	C032CC4001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	2	C032CC4001	EPA 8270-M	U	FLUORANTHENE	18 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	2	C032CC4001	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	2	C032CC4001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	38 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	2	C032CC4001	EPA 8270-M	U	NAPHTHALENE	7.8 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	2	C032CC4001	EPA 8270-M	U	PHENANTHRENE	6.3 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	2	C032CC4001	EPA 8270-M	U	PYRENE	26 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	4	C032CC4101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	4	C032CC4101	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	4	C032CC4101	EPA 8270-M	U	ACENAPHTHYLENE	4 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	4	C032CC4101	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	4	C032CC4101	EPA 8270-M	U	BENZ(A)ANTHRACENE	29 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	4	C032CC4101	EPA 8270-M	U	BENZO(A)PYRENE	68 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	4	C032CC4101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	46 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	4	C032CC4101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	77 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	4	C032CC4101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	38 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	4	C032CC4101	EPA 8270-M	U	CHRYSENE	39 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	4	C032CC4101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	4	C032CC4101	EPA 8270-M	U	FLUORANTHENE	59 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	4	C032CC4101	EPA 8270-M	U	FLUORENE	1.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	4	C032CC4101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	70 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	4	C032CC4101	EPA 8270-M	U	NAPHTHALENE	7.2 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	4	C032CC4101	EPA 8270-M	U	PHENANTHRENE	14 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-110	SB	REG	4	C032CC4101	EPA 8270-M	U	PYRENE	110 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-111	SB	REG	0	C032CC4301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0	C032CC4301	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/29/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-111	SB	REG	0	C032CC4301	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0	C032CC4301	EPA 8270-M	U	ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0	C032CC4301	EPA 8270-M	U	BENZ(A)ANTHRACENE	3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0	C032CC4301	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0	C032CC4301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0	C032CC4301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.4 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0	C032CC4301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0	C032CC4301	EPA 8270-M	U	CHRYSENE	3.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0	C032CC4301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0	C032CC4301	EPA 8270-M	U	FLUORANTHENE	5.5 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0	C032CC4301	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0	C032CC4301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0	C032CC4301	EPA 8270-M	U	NAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0	C032CC4301	EPA 8270-M	U	PHENANTHRENE	1.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0	C032CC4301	EPA 8270-M	U	PYRENE	7.3 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0.5	C032CC4401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0.5	C032CC4401	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0.5	C032CC4401	EPA 8270-M	U	ACENAPHTHYLENE	1.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0.5	C032CC4401	EPA 8270-M	U	ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0.5	C032CC4401	EPA 8270-M	U	BENZ(A)ANTHRACENE	20 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0.5	C032CC4401	EPA 8270-M	U	BENZO(A)PYRENE	32 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0.5	C032CC4401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	22 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0.5	C032CC4401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	29 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0.5	C032CC4401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	20 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0.5	C032CC4401	EPA 8270-M	U	CHRYSENE	24 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0.5	C032CC4401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0.5	C032CC4401	EPA 8270-M	U	FLUORANTHENE	35 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-111	SB	REG	0.5	C032CC4401	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0.5	C032CC4401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	18 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0.5	C032CC4401	EPA 8270-M	U	NAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0.5	C032CC4401	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	0.5	C032CC4401	EPA 8270-M	U	PYRENE	45 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	2	C032CC4501	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.7 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	2	C032CC4501	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	2	C032CC4501	EPA 8270-M	U	ACENAPHTHYLENE	1.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	2	C032CC4501	EPA 8270-M	U	ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	2	C032CC4501	EPA 8270-M	U	BENZ(A)ANTHRACENE	14 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	2	C032CC4501	EPA 8270-M	U	BENZO(A)PYRENE	27 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	2	C032CC4501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	26 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	2	C032CC4501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	39 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	2	C032CC4501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	21 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	2	C032CC4501	EPA 8270-M	U	CHRYSENE	25 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	2	C032CC4501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	2	C032CC4501	EPA 8270-M	U	FLUORANTHENE	26 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	2	C032CC4501	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	2	C032CC4501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	24 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	2	C032CC4501	EPA 8270-M	U	NAPHTHALENE	1.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	2	C032CC4501	EPA 8270-M	U	PHENANTHRENE	4.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	2	C032CC4501	EPA 8270-M	U	PYRENE	47 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	4	C032CC4601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	4	C032CC4601	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	4	C032CC4601	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	4	C032CC4601	EPA 8270-M	U	ANTHRACENE	1.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	4	C032CC4601	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.7 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-111	SB	REG	4	C032CC4601	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	4	C032CC4601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	13 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	4	C032CC4601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	15 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	4	C032CC4601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9.7 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	4	C032CC4601	EPA 8270-M	U	CHRYSENE	13 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	4	C032CC4601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	4	C032CC4601	EPA 8270-M	U	FLUORANTHENE	10 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	4	C032CC4601	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	4	C032CC4601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	9.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	4	C032CC4601	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	4	C032CC4601	EPA 8270-M	U	PHENANTHRENE	3.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-111	SB	REG	4	C032CC4601	EPA 8270-M	U	PYRENE	33 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-112	SB	REG	0	C032CC4701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0	C032CC4701	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0	C032CC4701	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0	C032CC4701	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0	C032CC4701	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0	C032CC4701	EPA 8270-M	U	BENZO(A)PYRENE	15 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0	C032CC4701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	12 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0	C032CC4701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	16 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0	C032CC4701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9.7 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0	C032CC4701	EPA 8270-M	U	CHRYSENE	8.4 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0	C032CC4701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0	C032CC4701	EPA 8270-M	U	FLUORANTHENE	11 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0	C032CC4701	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0	C032CC4701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	15 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0	C032CC4701	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-112	SB	REG	0	C032CC4701	EPA 8270-M	U	PHENANTHRENE	3.4 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0	C032CC4701	EPA 8270-M	U	PYRENE	15 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0.5	C032CC4801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0.5	C032CC4801	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0.5	C032CC4801	EPA 8270-M	U	ACENAPHTHYLENE	1.7 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0.5	C032CC4801	EPA 8270-M	U	ANTHRACENE	2.3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0.5	C032CC4801	EPA 8270-M	U	BENZ(A)ANTHRACENE	37 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0.5	C032CC4801	EPA 8270-M	U	BENZO(A)PYRENE	53 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0.5	C032CC4801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	38 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0.5	C032CC4801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	42 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0.5	C032CC4801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	34 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0.5	C032CC4801	EPA 8270-M	U	CHRYSENE	48 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0.5	C032CC4801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0.5	C032CC4801	EPA 8270-M	U	FLUORANTHENE	69 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0.5	C032CC4801	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0.5	C032CC4801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	38 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0.5	C032CC4801	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0.5	C032CC4801	EPA 8270-M	U	PHENANTHRENE	11 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	0.5	C032CC4801	EPA 8270-M	U	PYRENE	87 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	2	C032CC4901	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.5 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	2	C032CC4901	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	2	C032CC4901	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	2	C032CC4901	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	2	C032CC4901	EPA 8270-M	U	BENZ(A)ANTHRACENE	7.3 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	2	C032CC4901	EPA 8270-M	U	BENZO(A)PYRENE	13 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	2	C032CC4901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	12 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	2	C032CC4901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	15 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-112	SB	REG	2	C032CC4901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.5 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	2	C032CC4901	EPA 8270-M	U	CHRYSENE	9.7 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	2	C032CC4901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	2	C032CC4901	EPA 8270-M	U	FLUORANTHENE	13 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	2	C032CC4901	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	2	C032CC4901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	13 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	2	C032CC4901	EPA 8270-M	U	NAPHTHALENE	3.3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	2	C032CC4901	EPA 8270-M	U	PHENANTHRENE	5 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	2	C032CC4901	EPA 8270-M	U	PYRENE	21 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-112	SB	REG	4	C032CC5001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-112	SB	REG	4	C032CC5001	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-112	SB	REG	4	C032CC5001	EPA 8270-M	U	ACENAPHTHYLENE	2.4 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-112	SB	REG	4	C032CC5001	EPA 8270-M	U	ANTHRACENE	4.1 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-112	SB	REG	4	C032CC5001	EPA 8270-M	U	BENZ(A)ANTHRACENE	20 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-112	SB	REG	4	C032CC5001	EPA 8270-M	U	BENZO(A)PYRENE	50 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-112	SB	REG	4	C032CC5001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	32 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-112	SB	REG	4	C032CC5001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	41 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-112	SB	REG	4	C032CC5001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	28 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-112	SB	REG	4	C032CC5001	EPA 8270-M	U	CHRYSENE	19 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-112	SB	REG	4	C032CC5001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.6 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-112	SB	REG	4	C032CC5001	EPA 8270-M	U	FLUORANTHENE	31 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-112	SB	REG	4	C032CC5001	EPA 8270-M	U	FLUORENE	1.8 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-112	SB	REG	4	C032CC5001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	38 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-112	SB	REG	4	C032CC5001	EPA 8270-M	U	NAPHTHALENE	3.5 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-112	SB	REG	4	C032CC5001	EPA 8270-M	U	PHENANTHRENE	16 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-112	SB	REG	4	C032CC5001	EPA 8270-M	U	PYRENE	130 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	FD	0.5	C032CC5301	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-113	SB	FD	0.5	C032CC5301	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	FD	0.5	C032CC5301	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	FD	0.5	C032CC5301	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	FD	0.5	C032CC5301	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	FD	0.5	C032CC5301	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	FD	0.5	C032CC5301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	FD	0.5	C032CC5301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	FD	0.5	C032CC5301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	FD	0.5	C032CC5301	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	FD	0.5	C032CC5301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	FD	0.5	C032CC5301	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	FD	0.5	C032CC5301	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	FD	0.5	C032CC5301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	FD	0.5	C032CC5301	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	FD	0.5	C032CC5301	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	FD	0.5	C032CC5301	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0	C032CC5101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0	C032CC5101	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0	C032CC5101	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0	C032CC5101	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0	C032CC5101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0	C032CC5101	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0	C032CC5101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0	C032CC5101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0	C032CC5101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0	C032CC5101	EPA 8270-M	U	CHRYSENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0	C032CC5101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-113	SB	REG	0	C032CC5101	EPA 8270-M	U	FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0	C032CC5101	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0	C032CC5101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0	C032CC5101	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0	C032CC5101	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0	C032CC5101	EPA 8270-M	U	PYRENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0.5	C032CC5201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0.5	C032CC5201	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0.5	C032CC5201	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0.5	C032CC5201	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0.5	C032CC5201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0.5	C032CC5201	EPA 8270-M	U	BENZO(A)PYRENE	1.9 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0.5	C032CC5201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0.5	C032CC5201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0.5	C032CC5201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0.5	C032CC5201	EPA 8270-M	U	CHRYSENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0.5	C032CC5201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0.5	C032CC5201	EPA 8270-M	U	FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0.5	C032CC5201	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0.5	C032CC5201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.5 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0.5	C032CC5201	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0.5	C032CC5201	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	0.5	C032CC5201	EPA 8270-M	U	PYRENE	2.2 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	2	C032CC5401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	2	C032CC5401	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	2	C032CC5401	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	2	C032CC5401	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-113	SB	REG	2	C032CC5401	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.6 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	2	C032CC5401	EPA 8270-M	U	BENZO(A)PYRENE	3.2 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	2	C032CC5401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	2	C032CC5401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	2	C032CC5401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.1 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	2	C032CC5401	EPA 8270-M	U	CHRYSENE	2.9 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	2	C032CC5401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	2	C032CC5401	EPA 8270-M	U	FLUORANTHENE	3.4 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	2	C032CC5401	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	2	C032CC5401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.8 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	2	C032CC5401	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	2	C032CC5401	EPA 8270-M	U	PHENANTHRENE	1.8 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	2	C032CC5401	EPA 8270-M	U	PYRENE	5.2 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	4	C032CC5501	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.9 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	4	C032CC5501	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	4	C032CC5501	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	4	C032CC5501	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	4	C032CC5501	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	4	C032CC5501	EPA 8270-M	U	BENZO(A)PYRENE	10 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	4	C032CC5501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	14 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	4	C032CC5501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	11 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	4	C032CC5501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.7 UG/KG		J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	4	C032CC5501	EPA 8270-M	U	CHRYSENE	12 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	4	C032CC5501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.8 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	4	C032CC5501	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	4	C032CC5501	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	4	C032CC5501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.7 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-113	SB	REG	4	C032CC5501	EPA 8270-M	U	NAPHTHALENE	1.9 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	4	C032CC5501	EPA 8270-M	U	PHENANTHRENE	4.2 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-113	SB	REG	4	C032CC5501	EPA 8270-M	U	PYRENE	27 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-114	SB	REG	0	C032CC5601	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.64 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0	C032CC5601	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	UJ	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0	C032CC5601	EPA 8270-M	U	ACENAPHTHYLENE	2 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0	C032CC5601	EPA 8270-M	U	ANTHRACENE	0.79 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0	C032CC5601	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.9 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0	C032CC5601	EPA 8270-M	U	BENZO(A)PYRENE	8.2 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0	C032CC5601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0	C032CC5601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	39 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0	C032CC5601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.6 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0	C032CC5601	EPA 8270-M	U	CHRYSENE	5.4 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0	C032CC5601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0	C032CC5601	EPA 8270-M	U	FLUORANTHENE	8.6 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0	C032CC5601	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0	C032CC5601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	27 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0	C032CC5601	EPA 8270-M	U	NAPHTHALENE	0.69 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0	C032CC5601	EPA 8270-M	U	PHENANTHRENE	3.2 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0	C032CC5601	EPA 8270-M	U	PYRENE	11 UG/KG		J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0.5	C032CC5701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0.5	C032CC5701	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	UJ	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0.5	C032CC5701	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	UJ	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0.5	C032CC5701	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0.5	C032CC5701	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.66 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0.5	C032CC5701	EPA 8270-M	U	BENZO(A)PYRENE	1.6 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0.5	C032CC5701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-114	SB	REG	0.5	C032CC5701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	25 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0.5	C032CC5701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.74 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0.5	C032CC5701	EPA 8270-M	U	CHRYSENE	0.85 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0.5	C032CC5701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.6 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0.5	C032CC5701	EPA 8270-M	U	FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0.5	C032CC5701	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	UJ	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0.5	C032CC5701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	17 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0.5	C032CC5701	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0.5	C032CC5701	EPA 8270-M	U	PHENANTHRENE	0.47 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	0.5	C032CC5701	EPA 8270-M	U	PYRENE	1.6 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	2	C032CC5801	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.5 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	2	C032CC5801	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	UJ	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	2	C032CC5801	EPA 8270-M	U	ACENAPHTHYLENE	1.4 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	2	C032CC5801	EPA 8270-M	U	ANTHRACENE	0.51 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	2	C032CC5801	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	2	C032CC5801	EPA 8270-M	U	BENZO(A)PYRENE	3.7 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	2	C032CC5801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.8 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	2	C032CC5801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	24 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	2	C032CC5801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.8 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	2	C032CC5801	EPA 8270-M	U	CHRYSENE	10 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	2	C032CC5801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.6 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	2	C032CC5801	EPA 8270-M	U	FLUORANTHENE	3.1 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	2	C032CC5801	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	2	C032CC5801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	13 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	2	C032CC5801	EPA 8270-M	U	NAPHTHALENE	0.63 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	2	C032CC5801	EPA 8270-M	U	PHENANTHRENE	1.7 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	2	C032CC5801	EPA 8270-M	U	PYRENE	4.9 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-114	SB	REG	4	C032CC5901	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	4	C032CC5901	EPA 8270-M	U	ACENAPHTHENE	2 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	4	C032CC5901	EPA 8270-M	U	ACENAPHTHYLENE	8.5 UG/KG		J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	4	C032CC5901	EPA 8270-M	U	ANTHRACENE	7.8 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	4	C032CC5901	EPA 8270-M	U	BENZ(A)ANTHRACENE	47 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	4	C032CC5901	EPA 8270-M	U	BENZO(A)PYRENE	74 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	4	C032CC5901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	60 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	4	C032CC5901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	81 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	4	C032CC5901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	74 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	4	C032CC5901	EPA 8270-M	U	CHRYSENE	66 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	4	C032CC5901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	12 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	4	C032CC5901	EPA 8270-M	U	FLUORANTHENE	120 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	4	C032CC5901	EPA 8270-M	U	FLUORENE	2.2 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	4	C032CC5901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	70 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	4	C032CC5901	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	4	C032CC5901	EPA 8270-M	U	PHENANTHRENE	47 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-114	SB	REG	4	C032CC5901	EPA 8270-M	U	PYRENE	170 UG/KG		J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-115	SB	REG	0	C032CC6001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0	C032CC6001	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0	C032CC6001	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0	C032CC6001	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0	C032CC6001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0	C032CC6001	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0	C032CC6001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	20 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0	C032CC6001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	29 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0	C032CC6001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0	C032CC6001	EPA 8270-M	U	CHRYSENE	26 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-115	SB	REG	0	C032CC6001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.7 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0	C032CC6001	EPA 8270-M	U	FLUORANTHENE	8.2 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0	C032CC6001	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0	C032CC6001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	19 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0	C032CC6001	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0	C032CC6001	EPA 8270-M	U	PHENANTHRENE	3.4 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0	C032CC6001	EPA 8270-M	U	PYRENE	14 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0.5	C032CC6101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0.5	C032CC6101	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0.5	C032CC6101	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0.5	C032CC6101	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0.5	C032CC6101	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0.5	C032CC6101	EPA 8270-M	U	BENZO(A)PYRENE	3.8 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0.5	C032CC6101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.8 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0.5	C032CC6101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.1 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0.5	C032CC6101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0.5	C032CC6101	EPA 8270-M	U	CHRYSENE	2.7 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0.5	C032CC6101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0.5	C032CC6101	EPA 8270-M	U	FLUORANTHENE	3.2 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0.5	C032CC6101	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0.5	C032CC6101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.1 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0.5	C032CC6101	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0.5	C032CC6101	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-115	SB	REG	0.5	C032CC6101	EPA 8270-M	U	PYRENE	4.7 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-116	SB	REG	0	C032CC6501	EPA 8270-M	U	2-METHYLNAPHTHALENE	9.5 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0	C032CC6501	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0	C032CC6501	EPA 8270-M	U	ACENAPHTHYLENE	2.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-116	SB	REG	0	C032CC6501	EPA 8270-M	U	ANTHRACENE	3.3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0	C032CC6501	EPA 8270-M	U	BENZ(A)ANTHRACENE	23 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0	C032CC6501	EPA 8270-M	U	BENZO(A)PYRENE	39 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0	C032CC6501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	35 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0	C032CC6501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	37 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0	C032CC6501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	28 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0	C032CC6501	EPA 8270-M	U	CHRYSENE	29 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0	C032CC6501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0	C032CC6501	EPA 8270-M	U	FLUORANTHENE	49 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0	C032CC6501	EPA 8270-M	U	FLUORENE	1.3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0	C032CC6501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	42 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0	C032CC6501	EPA 8270-M	U	NAPHTHALENE	9.3 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0	C032CC6501	EPA 8270-M	U	PHENANTHRENE	19 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0	C032CC6501	EPA 8270-M	U	PYRENE	56 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0.5	C032CC6601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0.5	C032CC6601	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0.5	C032CC6601	EPA 8270-M	U	ACENAPHTHYLENE	1.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0.5	C032CC6601	EPA 8270-M	U	ANTHRACENE	0.95 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0.5	C032CC6601	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0.5	C032CC6601	EPA 8270-M	U	BENZO(A)PYRENE	17 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0.5	C032CC6601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	15 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0.5	C032CC6601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	16 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0.5	C032CC6601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	13 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0.5	C032CC6601	EPA 8270-M	U	CHRYSENE	13 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0.5	C032CC6601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.7 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0.5	C032CC6601	EPA 8270-M	U	FLUORANTHENE	23 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0.5	C032CC6601	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-116	SB	REG	0.5	C032CC6601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	17 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0.5	C032CC6601	EPA 8270-M	U	NAPHTHALENE	0.75 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0.5	C032CC6601	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	0.5	C032CC6601	EPA 8270-M	U	PYRENE	26 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	2	C032CC6701	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.31 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	2	C032CC6701	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	2	C032CC6701	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	2	C032CC6701	EPA 8270-M	U	ANTHRACENE	0.79 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	2	C032CC6701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	2	C032CC6701	EPA 8270-M	U	BENZO(A)PYRENE	9.7 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	2	C032CC6701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	2	C032CC6701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	9.3 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	2	C032CC6701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.7 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	2	C032CC6701	EPA 8270-M	U	CHRYSENE	6.9 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	2	C032CC6701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	2	C032CC6701	EPA 8270-M	U	FLUORANTHENE	14 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	2	C032CC6701	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	2	C032CC6701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	10 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	2	C032CC6701	EPA 8270-M	U	NAPHTHALENE	0.6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	2	C032CC6701	EPA 8270-M	U	PHENANTHRENE	4.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	2	C032CC6701	EPA 8270-M	U	PYRENE	17 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-116	SB	REG	4	C032CC6801	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.37 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-5-116	SB	REG	4	C032CC6801	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-5-116	SB	REG	4	C032CC6801	EPA 8270-M	U	ACENAPHTHYLENE	1.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-5-116	SB	REG	4	C032CC6801	EPA 8270-M	U	ANTHRACENE	1.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-5-116	SB	REG	4	C032CC6801	EPA 8270-M	U	BENZ(A)ANTHRACENE	9.3 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-5-116	SB	REG	4	C032CC6801	EPA 8270-M	U	BENZO(A)PYRENE	19 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-116	SB	REG	4	C032CC6801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	13 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-5-116	SB	REG	4	C032CC6801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	20 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-5-116	SB	REG	4	C032CC6801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	12 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-5-116	SB	REG	4	C032CC6801	EPA 8270-M	U	CHRYSENE	12 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-5-116	SB	REG	4	C032CC6801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-5-116	SB	REG	4	C032CC6801	EPA 8270-M	U	FLUORANTHENE	23 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-5-116	SB	REG	4	C032CC6801	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-5-116	SB	REG	4	C032CC6801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	21 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-5-116	SB	REG	4	C032CC6801	EPA 8270-M	U	NAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-5-116	SB	REG	4	C032CC6801	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-5-116	SB	REG	4	C032CC6801	EPA 8270-M	U	PYRENE	32 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-5-117	SB	REG	0	C032CC6901	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.69 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0	C032CC6901	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0	C032CC6901	EPA 8270-M	U	ACENAPHTHYLENE	2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0	C032CC6901	EPA 8270-M	U	ANTHRACENE	1.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0	C032CC6901	EPA 8270-M	U	BENZ(A)ANTHRACENE	16 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0	C032CC6901	EPA 8270-M	U	BENZO(A)PYRENE	25 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0	C032CC6901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	21 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0	C032CC6901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	29 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0	C032CC6901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	15 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0	C032CC6901	EPA 8270-M	U	CHRYSENE	19 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0	C032CC6901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0	C032CC6901	EPA 8270-M	U	FLUORANTHENE	34 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0	C032CC6901	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0	C032CC6901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	26 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0	C032CC6901	EPA 8270-M	U	NAPHTHALENE	0.89 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0	C032CC6901	EPA 8270-M	U	PHENANTHRENE	13 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-117	SB	REG	0	C032CC6901	EPA 8270-M	U	PYRENE	40 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0.5	C032CC7001	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.46 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0.5	C032CC7001	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0.5	C032CC7001	EPA 8270-M	U	ACENAPHTHYLENE	1.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0.5	C032CC7001	EPA 8270-M	U	ANTHRACENE	1.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0.5	C032CC7001	EPA 8270-M	U	BENZ(A)ANTHRACENE	13 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0.5	C032CC7001	EPA 8270-M	U	BENZO(A)PYRENE	23 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0.5	C032CC7001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	20 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0.5	C032CC7001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	28 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0.5	C032CC7001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	16 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0.5	C032CC7001	EPA 8270-M	U	CHRYSENE	16 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0.5	C032CC7001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0.5	C032CC7001	EPA 8270-M	U	FLUORANTHENE	27 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0.5	C032CC7001	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0.5	C032CC7001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	20 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0.5	C032CC7001	EPA 8270-M	U	NAPHTHALENE	0.85 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0.5	C032CC7001	EPA 8270-M	U	PHENANTHRENE	7.1 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	0.5	C032CC7001	EPA 8270-M	U	PYRENE	32 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	2	C032CC7101	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	2	C032CC7101	EPA 8270-M	U	ACENAPHTHENE	0.99 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	2	C032CC7101	EPA 8270-M	U	ACENAPHTHYLENE	3.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	2	C032CC7101	EPA 8270-M	U	ANTHRACENE	4.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	2	C032CC7101	EPA 8270-M	U	BENZ(A)ANTHRACENE	33 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	2	C032CC7101	EPA 8270-M	U	BENZO(A)PYRENE	60 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	2	C032CC7101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	50 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	2	C032CC7101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	67 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	2	C032CC7101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	34 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-117	SB	REG	2	C032CC7101	EPA 8270-M	U	CHRYSENE	38 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	2	C032CC7101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	2	C032CC7101	EPA 8270-M	U	FLUORANTHENE	120 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	2	C032CC7101	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	2	C032CC7101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	50 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	2	C032CC7101	EPA 8270-M	U	NAPHTHALENE	1.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	2	C032CC7101	EPA 8270-M	U	PHENANTHRENE	24 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	2	C032CC7101	EPA 8270-M	U	PYRENE	140 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	ACENAPHTHENE	3.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	ACENAPHTHYLENE	24 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	ANTHRACENE	22 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	BENZ(A)ANTHRACENE	110 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	BENZO(A)PYRENE	160 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	130 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	160 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	99 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	CHRYSENE	120 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	26 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	FLUORANTHENE	320 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	FLUORENE	8.1 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	120 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	NAPHTHALENE	9.7 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	PHENANTHRENE	180 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	PYRENE	380 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.5 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	ACENAPHTHENE	29 UG/KG	U	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	ACENAPHTHYLENE	28 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	ANTHRACENE	46 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	BENZ(A)ANTHRACENE	83 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	BENZO(A)PYRENE	190 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	150 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	150 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	91 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	CHRYSENE	210 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	16 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	FLUORANTHENE	350 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	FLUORENE	9.9 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	140 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	NAPHTHALENE	13 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	PHENANTHRENE	190 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-117	SB	REG	4	C032CC7201	EPA 8270-M	U	PYRENE	430 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-118	SB	FD	0.5	C032CC7501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	FD	0.5	C032CC7501	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	FD	0.5	C032CC7501	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	FD	0.5	C032CC7501	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	FD	0.5	C032CC7501	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	FD	0.5	C032CC7501	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	FD	0.5	C032CC7501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	FD	0.5	C032CC7501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.9 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	FD	0.5	C032CC7501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	FD	0.5	C032CC7501	EPA 8270-M	U	CHRYSENE	3.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	FD	0.5	C032CC7501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.92 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	FD	0.5	C032CC7501	EPA 8270-M	U	FLUORANTHENE	7.2 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-118	SB	FD	0.5	C032CC7501	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	FD	0.5	C032CC7501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	FD	0.5	C032CC7501	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	FD	0.5	C032CC7501	EPA 8270-M	U	PHENANTHRENE	1.8 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	FD	0.5	C032CC7501	EPA 8270-M	U	PYRENE	10 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.7 UG/KG	J	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	ACENAPHTHENE	2.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	ACENAPHTHYLENE	16 UG/KG		R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	ANTHRACENE	15 UG/KG		R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	BENZ(A)ANTHRACENE	95 UG/KG		R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	BENZO(A)PYRENE	210 UG/KG		R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	230 UG/KG		R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	210 UG/KG		R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	160 UG/KG		R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	CHRYSENE	140 UG/KG		R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	30 UG/KG		R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	FLUORANTHENE	280 UG/KG		R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	FLUORENE	2.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	180 UG/KG		R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	NAPHTHALENE	9.3 UG/KG		R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	PHENANTHRENE	74 UG/KG		R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	PYRENE	370 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.4 UG/KG	J	J	DL1 REG	5/29/2002	5/30/2002	6/18/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	ACENAPHTHENE	29 UG/KG	U	R	DL1 REG	5/29/2002	5/30/2002	6/18/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	ACENAPHTHYLENE	14 UG/KG	J	J	DL1 REG	5/29/2002	5/30/2002	6/18/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	ANTHRACENE	11 UG/KG	J	J	DL1 REG	5/29/2002	5/30/2002	6/18/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	BENZ(A)ANTHRACENE	110 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/18/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	BENZO(A)PYRENE	220 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/18/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	200 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/18/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	340 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/18/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	150 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/18/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	CHRYSENE	140 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/18/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	35 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/18/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	FLUORANTHENE	240 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/18/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	FLUORENE	29 UG/KG	U	R	DL1 REG	5/29/2002	5/30/2002	6/18/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	270 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/18/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	NAPHTHALENE	11 UG/KG	J	J	DL1 REG	5/29/2002	5/30/2002	6/18/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	PHENANTHRENE	78 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/18/2002
32EDC-5-118	SB	REG	0	C032CC7301	EPA 8270-M	U	PYRENE	290 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/18/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.82 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	ACENAPHTHENE	8.1 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	ACENAPHTHYLENE	27 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	ANTHRACENE	30 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	BENZ(A)ANTHRACENE	140 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	BENZO(A)PYRENE	180 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	150 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	160 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	110 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	CHRYSENE	130 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	28 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	FLUORANTHENE	680 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	FLUORENE	4.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	130 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	PHENANTHRENE	280 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	PYRENE	780 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	2-METHYLNAPHTHALENE	27 UG/KG	U	R	DL1 REG	5/29/2002	5/30/2002	6/7/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	ACENAPHTHENE	8.5 UG/KG	JQ	R	DL1 REG	5/29/2002	5/30/2002	6/7/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	ACENAPHTHYLENE	28 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/7/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	ANTHRACENE	54 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/7/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	BENZ(A)ANTHRACENE	100 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/7/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	BENZO(A)PYRENE	220 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/7/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	170 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/7/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	80 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/7/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	110 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/7/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	CHRYSENE	220 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/7/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	13 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/7/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	FLUORANTHENE	740 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/7/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	FLUORENE	27 UG/KG	U	R	DL1 REG	5/29/2002	5/30/2002	6/7/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	99 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/7/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	NAPHTHALENE	8 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/7/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	PHENANTHRENE	280 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/7/2002
32EDC-5-118	SB	REG	0.5	C032CC7401	EPA 8270-M	U	PYRENE	850 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/7/2002
32EDC-5-118	SB	REG	2	C032CC7601	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.41 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	2	C032CC7601	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	2	C032CC7601	EPA 8270-M	U	ACENAPHTHYLENE	1.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	2	C032CC7601	EPA 8270-M	U	ANTHRACENE	0.77 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	2	C032CC7601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	2	C032CC7601	EPA 8270-M	U	BENZO(A)PYRENE	12 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	2	C032CC7601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.9 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	2	C032CC7601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	14 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-118	SB	REG	2	C032CC7601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.8 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	2	C032CC7601	EPA 8270-M	U	CHRYSENE	7.5 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	2	C032CC7601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	2	C032CC7601	EPA 8270-M	U	FLUORANTHENE	12 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	2	C032CC7601	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	2	C032CC7601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	9.8 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	2	C032CC7601	EPA 8270-M	U	NAPHTHALENE	0.58 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	2	C032CC7601	EPA 8270-M	U	PHENANTHRENE	3.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	2	C032CC7601	EPA 8270-M	U	PYRENE	16 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	4	C032CC7701	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	4	C032CC7701	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	4	C032CC7701	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	4	C032CC7701	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	4	C032CC7701	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.42 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	4	C032CC7701	EPA 8270-M	U	BENZO(A)PYRENE	0.65 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	4	C032CC7701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.85 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	4	C032CC7701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.71 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	4	C032CC7701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	4	C032CC7701	EPA 8270-M	U	CHRYSENE	0.79 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	4	C032CC7701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	4	C032CC7701	EPA 8270-M	U	FLUORANTHENE	1.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	4	C032CC7701	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	4	C032CC7701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.59 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	4	C032CC7701	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	4	C032CC7701	EPA 8270-M	U	PHENANTHRENE	1.8 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-118	SB	REG	4	C032CC7701	EPA 8270-M	U	PYRENE	2.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-119	SB	REG	0	C032CC7801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-119	SB	REG	0	C032CC7801	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0	C032CC7801	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0	C032CC7801	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0	C032CC7801	EPA 8270-M	U	BENZ(A)ANTHRACENE	12 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0	C032CC7801	EPA 8270-M	U	BENZO(A)PYRENE	29 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0	C032CC7801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	18 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0	C032CC7801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	45 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0	C032CC7801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	25 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0	C032CC7801	EPA 8270-M	U	CHRYSENE	20 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0	C032CC7801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.1 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0	C032CC7801	EPA 8270-M	U	FLUORANTHENE	24 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0	C032CC7801	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0	C032CC7801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	36 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0	C032CC7801	EPA 8270-M	U	NAPHTHALENE	2.5 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0	C032CC7801	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0	C032CC7801	EPA 8270-M	U	PYRENE	39 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0.5	C032CC7901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0.5	C032CC7901	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0.5	C032CC7901	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0.5	C032CC7901	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0.5	C032CC7901	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.6 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0.5	C032CC7901	EPA 8270-M	U	BENZO(A)PYRENE	16 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0.5	C032CC7901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	10 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0.5	C032CC7901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	23 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0.5	C032CC7901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	14 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0.5	C032CC7901	EPA 8270-M	U	CHRYSENE	12 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0.5	C032CC7901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-119	SB	REG	0.5	C032CC7901	EPA 8270-M	U	FLUORANTHENE	17 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0.5	C032CC7901	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0.5	C032CC7901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	19 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0.5	C032CC7901	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0.5	C032CC7901	EPA 8270-M	U	PHENANTHRENE	4.9 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	0.5	C032CC7901	EPA 8270-M	U	PYRENE	28 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	2	C032CC8001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	2	C032CC8001	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	2	C032CC8001	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	2	C032CC8001	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	2	C032CC8001	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.6 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	2	C032CC8001	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	2	C032CC8001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	2	C032CC8001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.7 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	2	C032CC8001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	2	C032CC8001	EPA 8270-M	U	CHRYSENE	2.4 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	2	C032CC8001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	2	C032CC8001	EPA 8270-M	U	FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	2	C032CC8001	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	2	C032CC8001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	2	C032CC8001	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	2	C032CC8001	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	2	C032CC8001	EPA 8270-M	U	PYRENE	3.2 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	4	C032CC8101	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	4	C032CC8101	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	4	C032CC8101	EPA 8270-M	U	ACENAPHTHYLENE	2.9 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	4	C032CC8101	EPA 8270-M	U	ANTHRACENE	3.9 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-119	SB	REG	4	C032CC8101	EPA 8270-M	U	BENZ(A)ANTHRACENE	24 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	4	C032CC8101	EPA 8270-M	U	BENZO(A)PYRENE	43 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	4	C032CC8101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	42 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	4	C032CC8101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	26 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	4	C032CC8101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	12 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	4	C032CC8101	EPA 8270-M	U	CHRYSENE	22 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	4	C032CC8101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.9 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	4	C032CC8101	EPA 8270-M	U	FLUORANTHENE	27 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	4	C032CC8101	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	4	C032CC8101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	31 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	4	C032CC8101	EPA 8270-M	U	NAPHTHALENE	3.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	4	C032CC8101	EPA 8270-M	U	PHENANTHRENE	8 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-119	SB	REG	4	C032CC8101	EPA 8270-M	U	PYRENE	64 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-12	SB	REG	0	C032C80701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0	C032C80701	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0	C032C80701	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0	C032C80701	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0	C032C80701	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.6 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0	C032C80701	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0	C032C80701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0	C032C80701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.2 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0	C032C80701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0	C032C80701	EPA 8270-M	U	CHRYSENE	2 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0	C032C80701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0	C032C80701	EPA 8270-M	U	FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0	C032C80701	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0	C032C80701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.3 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-12	SB	REG	0	C032C80701	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0	C032C80701	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0	C032C80701	EPA 8270-M	U	PYRENE	2.9 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0.5	C032C80801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0.5	C032C80801	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0.5	C032C80801	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0.5	C032C80801	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0.5	C032C80801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0.5	C032C80801	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0.5	C032C80801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0.5	C032C80801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0.5	C032C80801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0.5	C032C80801	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0.5	C032C80801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0.5	C032C80801	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0.5	C032C80801	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0.5	C032C80801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0.5	C032C80801	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0.5	C032C80801	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	0.5	C032C80801	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	2	C032C80901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	2	C032C80901	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	2	C032C80901	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	2	C032C80901	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	2	C032C80901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	2	C032C80901	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	2	C032C80901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-12	SB	REG	2	C032C80901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	2	C032C80901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	2	C032C80901	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	2	C032C80901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	2	C032C80901	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	2	C032C80901	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	2	C032C80901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	2	C032C80901	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	2	C032C80901	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	2	C032C80901	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	4	C032C81001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	4	C032C81001	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	4	C032C81001	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	4	C032C81001	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	4	C032C81001	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	4	C032C81001	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	4	C032C81001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	4	C032C81001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	4	C032C81001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	4	C032C81001	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	4	C032C81001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	4	C032C81001	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	4	C032C81001	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	4	C032C81001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	4	C032C81001	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	4	C032C81001	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-12	SB	REG	4	C032C81001	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.3 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	ACENAPHTHENE	7.4 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	ACENAPHTHYLENE	11 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	ANTHRACENE	25 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	BENZ(A)ANTHRACENE	270 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	BENZO(A)PYRENE	320 UG/KG	E	R	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	270 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	210 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	290 UG/KG	E	R	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	CHRYSENE	270 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	54 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	FLUORANTHENE	340 UG/KG	E	R	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	FLUORENE	5.1 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	230 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	NAPHTHALENE	12 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	PHENANTHRENE	79 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	PYRENE	370 UG/KG	E	R	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	2-METHYLNAPHTHALENE	9.9 UG/KG	J	R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	ACENAPHTHENE	8.3 UG/KG	J	R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	ACENAPHTHYLENE	14 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	ANTHRACENE	31 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	BENZ(A)ANTHRACENE	280 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	BENZO(A)PYRENE	350 UG/KG			DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	320 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	300 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	300 UG/KG			DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	CHRYSENE	290 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	53 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	FLUORANTHENE	400 UG/KG			DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	FLUORENE	3.8 UG/KG	J	R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	300 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	NAPHTHALENE	22 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	PHENANTHRENE	100 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	FD	4	C032CC8601	EPA 8270-M	U	PYRENE	460 UG/KG			DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.8 UG/KG	J	R	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	ACENAPHTHYLENE	15 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	ANTHRACENE	28 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	BENZ(A)ANTHRACENE	230 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	BENZO(A)PYRENE	330 UG/KG	E	R	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	250 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	320 UG/KG	E	R	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	290 UG/KG	E	R	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	CHRYSENE	260 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	51 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	FLUORANTHENE	460 UG/KG	E	R	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	FLUORENE	3.6 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	330 UG/KG	E	R	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	NAPHTHALENE	15 UG/KG		R	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	PHENANTHRENE	86 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	PYRENE	530 UG/KG	E	R	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	2-METHYLNAPHTHALENE	8.1 UG/KG	J	J	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	JQ	R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	ACENAPHTHYLENE	18 UG/KG	J	R	DL1 REG	5/24/2002	5/26/2002	5/31/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	ANTHRACENE	29 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	BENZ(A)ANTHRACENE	240 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	BENZO(A)PYRENE	360 UG/KG			DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	330 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	320 UG/KG			DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	290 UG/KG			DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	CHRYSENE	280 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	46 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	FLUORANTHENE	480 UG/KG			DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	FLUORENE	5.8 UG/KG	J	R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	310 UG/KG			DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	NAPHTHALENE	20 UG/KG	J	J	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	PHENANTHRENE	110 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	REG	0	C032CC8201	EPA 8270-M	U	PYRENE	550 UG/KG			DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-120	SB	REG	0.5	C032CC8301	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.7 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0.5	C032CC8301	EPA 8270-M	U	ACENAPHTHENE	3 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0.5	C032CC8301	EPA 8270-M	U	ACENAPHTHYLENE	3.8 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0.5	C032CC8301	EPA 8270-M	U	ANTHRACENE	9.6 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0.5	C032CC8301	EPA 8270-M	U	BENZ(A)ANTHRACENE	96 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0.5	C032CC8301	EPA 8270-M	U	BENZO(A)PYRENE	120 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0.5	C032CC8301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	100 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0.5	C032CC8301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	100 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0.5	C032CC8301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	100 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0.5	C032CC8301	EPA 8270-M	U	CHRYSENE	100 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0.5	C032CC8301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	20 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0.5	C032CC8301	EPA 8270-M	U	FLUORANTHENE	150 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0.5	C032CC8301	EPA 8270-M	U	FLUORENE	1.7 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-120	SB	REG	0.5	C032CC8301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	110 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0.5	C032CC8301	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0.5	C032CC8301	EPA 8270-M	U	PHENANTHRENE	35 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	0.5	C032CC8301	EPA 8270-M	U	PYRENE	170 UG/KG		J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	2	C032CC8401	EPA 8270-M	U	2-METHYLNAPHTHALENE	53 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	2	C032CC8401	EPA 8270-M	U	ACENAPHTHENE	900 UG/KG	G		000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	2	C032CC8401	EPA 8270-M	U	ACENAPHTHYLENE	560 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	2	C032CC8401	EPA 8270-M	U	ANTHRACENE	2300 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	2	C032CC8401	EPA 8270-M	U	BENZ(A)ANTHRACENE	18000 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	2	C032CC8401	EPA 8270-M	U	BENZO(A)PYRENE	15000 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	2	C032CC8401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	14000 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	2	C032CC8401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5900 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	2	C032CC8401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	14000 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	2	C032CC8401	EPA 8270-M	U	CHRYSENE	16000 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	2	C032CC8401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2400 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	2	C032CC8401	EPA 8270-M	U	FLUORANTHENE	23000 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	2	C032CC8401	EPA 8270-M	U	FLUORENE	420 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	2	C032CC8401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8500 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	2	C032CC8401	EPA 8270-M	U	NAPHTHALENE	130 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	2	C032CC8401	EPA 8270-M	U	PHENANTHRENE	6400 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	2	C032CC8401	EPA 8270-M	U	PYRENE	21000 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	4	C032CC8501	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.6 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	4	C032CC8501	EPA 8270-M	U	ACENAPHTHENE	4.8 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	4	C032CC8501	EPA 8270-M	U	ACENAPHTHYLENE	7.4 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	4	C032CC8501	EPA 8270-M	U	ANTHRACENE	17 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	4	C032CC8501	EPA 8270-M	U	BENZ(A)ANTHRACENE	150 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	4	C032CC8501	EPA 8270-M	U	BENZO(A)PYRENE	190 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-120	SB	REG	4	C032CC8501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	190 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	4	C032CC8501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	140 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	4	C032CC8501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	130 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	4	C032CC8501	EPA 8270-M	U	CHRYSENE	150 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	4	C032CC8501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	35 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	4	C032CC8501	EPA 8270-M	U	FLUORANTHENE	200 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	4	C032CC8501	EPA 8270-M	U	FLUORENE	3.8 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	4	C032CC8501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	150 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	4	C032CC8501	EPA 8270-M	U	NAPHTHALENE	8.2 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	4	C032CC8501	EPA 8270-M	U	PHENANTHRENE	57 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-120	SB	REG	4	C032CC8501	EPA 8270-M	U	PYRENE	240 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0	C032CC8701	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.88 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0	C032CC8701	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0	C032CC8701	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0	C032CC8701	EPA 8270-M	U	ANTHRACENE	11 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0	C032CC8701	EPA 8270-M	U	BENZ(A)ANTHRACENE	86 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0	C032CC8701	EPA 8270-M	U	BENZO(A)PYRENE	100 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0	C032CC8701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	71 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0	C032CC8701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	48 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0	C032CC8701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	97 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0	C032CC8701	EPA 8270-M	U	CHRYSENE	110 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0	C032CC8701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	11 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0	C032CC8701	EPA 8270-M	U	FLUORANTHENE	140 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0	C032CC8701	EPA 8270-M	U	FLUORENE	2.2 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0	C032CC8701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	63 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0	C032CC8701	EPA 8270-M	U	NAPHTHALENE	1 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0	C032CC8701	EPA 8270-M	U	PHENANTHRENE	43 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-121	SB	REG	0	C032CC8701	EPA 8270-M	U	PYRENE	160 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0.5	C032CC8801	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.33 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0.5	C032CC8801	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	UJ	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0.5	C032CC8801	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	UJ	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0.5	C032CC8801	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0.5	C032CC8801	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0.5	C032CC8801	EPA 8270-M	U	BENZO(A)PYRENE	4.4 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0.5	C032CC8801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0.5	C032CC8801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.3 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0.5	C032CC8801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.9 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0.5	C032CC8801	EPA 8270-M	U	CHRYSENE	2.2 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0.5	C032CC8801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.47 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0.5	C032CC8801	EPA 8270-M	U	FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0.5	C032CC8801	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	UJ	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0.5	C032CC8801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0.5	C032CC8801	EPA 8270-M	U	NAPHTHALENE	0.38 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0.5	C032CC8801	EPA 8270-M	U	PHENANTHRENE	0.8 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	0.5	C032CC8801	EPA 8270-M	U	PYRENE	5.7 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	2	C032CC8901	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.58 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	2	C032CC8901	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	2	C032CC8901	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	2	C032CC8901	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	2	C032CC8901	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.8 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	2	C032CC8901	EPA 8270-M	U	BENZO(A)PYRENE	10 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	2	C032CC8901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.2 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	2	C032CC8901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	9.2 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	2	C032CC8901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8.4 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-121	SB	REG	2	C032CC8901	EPA 8270-M	U	CHRYSENE	9.5 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	2	C032CC8901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	2	C032CC8901	EPA 8270-M	U	FLUORANTHENE	7.9 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	2	C032CC8901	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	2	C032CC8901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.3 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	2	C032CC8901	EPA 8270-M	U	NAPHTHALENE	0.47 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	2	C032CC8901	EPA 8270-M	U	PHENANTHRENE	2.2 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	2	C032CC8901	EPA 8270-M	U	PYRENE	11 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	4	C032CC9001	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.35 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	4	C032CC9001	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	4	C032CC9001	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	4	C032CC9001	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	4	C032CC9001	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.5 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	4	C032CC9001	EPA 8270-M	U	BENZO(A)PYRENE	8 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	4	C032CC9001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.6 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	4	C032CC9001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	4	C032CC9001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.9 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	4	C032CC9001	EPA 8270-M	U	CHRYSENE	4.8 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	4	C032CC9001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.1 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	4	C032CC9001	EPA 8270-M	U	FLUORANTHENE	4.3 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	4	C032CC9001	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	4	C032CC9001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	4	C032CC9001	EPA 8270-M	U	NAPHTHALENE	0.74 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	4	C032CC9001	EPA 8270-M	U	PHENANTHRENE	1.1 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-121	SB	REG	4	C032CC9001	EPA 8270-M	U	PYRENE	12 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-122	SB	REG	0	C032CC9101	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.67 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0	C032CC9101	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-122	SB	REG	0	C032CC9101	EPA 8270-M	U	ACENAPHTHYLENE	2.1 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0	C032CC9101	EPA 8270-M	U	ANTHRACENE	2.8 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0	C032CC9101	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.7 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0	C032CC9101	EPA 8270-M	U	BENZO(A)PYRENE	11 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0	C032CC9101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	11 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0	C032CC9101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	21 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0	C032CC9101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	11 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0	C032CC9101	EPA 8270-M	U	CHRYSENE	20 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0	C032CC9101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.6 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0	C032CC9101	EPA 8270-M	U	FLUORANTHENE	9 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0	C032CC9101	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0	C032CC9101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	22 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0	C032CC9101	EPA 8270-M	U	NAPHTHALENE	0.55 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0	C032CC9101	EPA 8270-M	U	PHENANTHRENE	3.6 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0	C032CC9101	EPA 8270-M	U	PYRENE	12 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0.5	C032CC9201	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.9 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0.5	C032CC9201	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0.5	C032CC9201	EPA 8270-M	U	ACENAPHTHYLENE	20 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0.5	C032CC9201	EPA 8270-M	U	ANTHRACENE	15 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0.5	C032CC9201	EPA 8270-M	U	BENZ(A)ANTHRACENE	92 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0.5	C032CC9201	EPA 8270-M	U	BENZO(A)PYRENE	180 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0.5	C032CC9201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	130 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0.5	C032CC9201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	150 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0.5	C032CC9201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	110 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0.5	C032CC9201	EPA 8270-M	U	CHRYSENE	110 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0.5	C032CC9201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	25 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0.5	C032CC9201	EPA 8270-M	U	FLUORANTHENE	260 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-122	SB	REG	0.5	C032CC9201	EPA 8270-M	U	FLUORENE	3.5 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0.5	C032CC9201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	180 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0.5	C032CC9201	EPA 8270-M	U	NAPHTHALENE	13 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0.5	C032CC9201	EPA 8270-M	U	PHENANTHRENE	66 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	0.5	C032CC9201	EPA 8270-M	U	PYRENE	300 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	2	C032CC9301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	2	C032CC9301	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	JQ	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	2	C032CC9301	EPA 8270-M	U	ACENAPHTHYLENE	27 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	2	C032CC9301	EPA 8270-M	U	ANTHRACENE	26 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	2	C032CC9301	EPA 8270-M	U	BENZ(A)ANTHRACENE	370 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	2	C032CC9301	EPA 8270-M	U	BENZO(A)PYRENE	430 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	2	C032CC9301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	470 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	2	C032CC9301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	190 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	2	C032CC9301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	400 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	2	C032CC9301	EPA 8270-M	U	CHRYSENE	430 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	2	C032CC9301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	90 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	2	C032CC9301	EPA 8270-M	U	FLUORANTHENE	550 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	2	C032CC9301	EPA 8270-M	U	FLUORENE	27 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	2	C032CC9301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	300 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	2	C032CC9301	EPA 8270-M	U	NAPHTHALENE	4.3 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	2	C032CC9301	EPA 8270-M	U	PHENANTHRENE	130 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	2	C032CC9301	EPA 8270-M	U	PYRENE	530 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	4	C032CC9401	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	4	C032CC9401	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	4	C032CC9401	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	4	C032CC9401	EPA 8270-M	U	ANTHRACENE	0.64 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	4	C032CC9401	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-122	SB	REG	4	C032CC9401	EPA 8270-M	U	BENZO(A)PYRENE	8.5 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	4	C032CC9401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	4	C032CC9401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	4	C032CC9401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.3 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	4	C032CC9401	EPA 8270-M	U	CHRYSENE	6.6 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	4	C032CC9401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	4	C032CC9401	EPA 8270-M	U	FLUORANTHENE	9.3 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	4	C032CC9401	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	4	C032CC9401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.7 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	4	C032CC9401	EPA 8270-M	U	NAPHTHALENE	0.69 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	4	C032CC9401	EPA 8270-M	U	PHENANTHRENE	2.2 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-122	SB	REG	4	C032CC9401	EPA 8270-M	U	PYRENE	14 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-5-123	SB	FD	0.5	C032CC9701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	FD	0.5	C032CC9701	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	FD	0.5	C032CC9701	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	FD	0.5	C032CC9701	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	FD	0.5	C032CC9701	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	FD	0.5	C032CC9701	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	FD	0.5	C032CC9701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	FD	0.5	C032CC9701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	FD	0.5	C032CC9701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	FD	0.5	C032CC9701	EPA 8270-M	U	CHRYSENE	7.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	FD	0.5	C032CC9701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	FD	0.5	C032CC9701	EPA 8270-M	U	FLUORANTHENE	13 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	FD	0.5	C032CC9701	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	FD	0.5	C032CC9701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	FD	0.5	C032CC9701	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-123	SB	FD	0.5	C032CC9701	EPA 8270-M	U	PHENANTHRENE	10 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	FD	0.5	C032CC9701	EPA 8270-M	U	PYRENE	13 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0	C032CC9501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0	C032CC9501	EPA 8270-M	U	ACENAPHTHENE	1.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0	C032CC9501	EPA 8270-M	U	ACENAPHTHYLENE	4.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0	C032CC9501	EPA 8270-M	U	ANTHRACENE	7.5 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0	C032CC9501	EPA 8270-M	U	BENZ(A)ANTHRACENE	46 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0	C032CC9501	EPA 8270-M	U	BENZO(A)PYRENE	52 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0	C032CC9501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	44 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0	C032CC9501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	41 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0	C032CC9501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	37 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0	C032CC9501	EPA 8270-M	U	CHRYSENE	54 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0	C032CC9501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0	C032CC9501	EPA 8270-M	U	FLUORANTHENE	74 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0	C032CC9501	EPA 8270-M	U	FLUORENE	2.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0	C032CC9501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	39 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0	C032CC9501	EPA 8270-M	U	NAPHTHALENE	11 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0	C032CC9501	EPA 8270-M	U	PHENANTHRENE	37 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0	C032CC9501	EPA 8270-M	U	PYRENE	80 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0.5	C032CC9601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0.5	C032CC9601	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0.5	C032CC9601	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0.5	C032CC9601	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0.5	C032CC9601	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0.5	C032CC9601	EPA 8270-M	U	BENZO(A)PYRENE	5.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0.5	C032CC9601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0.5	C032CC9601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-123	SB	REG	0.5	C032CC9601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0.5	C032CC9601	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0.5	C032CC9601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0.5	C032CC9601	EPA 8270-M	U	FLUORANTHENE	7.1 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0.5	C032CC9601	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0.5	C032CC9601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0.5	C032CC9601	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0.5	C032CC9601	EPA 8270-M	U	PHENANTHRENE	3.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	0.5	C032CC9601	EPA 8270-M	U	PYRENE	8.7 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	2	C032CC9801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	2	C032CC9801	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	2	C032CC9801	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	2	C032CC9801	EPA 8270-M	U	ANTHRACENE	7.1 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	2	C032CC9801	EPA 8270-M	U	BENZ(A)ANTHRACENE	30 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	2	C032CC9801	EPA 8270-M	U	BENZO(A)PYRENE	59 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	2	C032CC9801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	37 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	2	C032CC9801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	70 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	2	C032CC9801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	33 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	2	C032CC9801	EPA 8270-M	U	CHRYSENE	36 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	2	C032CC9801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	2	C032CC9801	EPA 8270-M	U	FLUORANTHENE	50 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	2	C032CC9801	EPA 8270-M	U	FLUORENE	2.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	2	C032CC9801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	60 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	2	C032CC9801	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	2	C032CC9801	EPA 8270-M	U	PHENANTHRENE	30 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	2	C032CC9801	EPA 8270-M	U	PYRENE	87 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	4	C032CC9901	EPA 8270-M	U	2-METHYLNAPHTHALENE	17 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-123	SB	REG	4	C032CC9901	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	4	C032CC9901	EPA 8270-M	U	ACENAPHTHYLENE	8.8 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	4	C032CC9901	EPA 8270-M	U	ANTHRACENE	8.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	4	C032CC9901	EPA 8270-M	U	BENZ(A)ANTHRACENE	82 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	4	C032CC9901	EPA 8270-M	U	BENZO(A)PYRENE	170 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	4	C032CC9901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	100 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	4	C032CC9901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	140 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	4	C032CC9901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	93 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	4	C032CC9901	EPA 8270-M	U	CHRYSENE	140 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	4	C032CC9901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	16 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	4	C032CC9901	EPA 8270-M	U	FLUORANTHENE	38 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	4	C032CC9901	EPA 8270-M	U	FLUORENE	5.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	4	C032CC9901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	120 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	4	C032CC9901	EPA 8270-M	U	NAPHTHALENE	17 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	4	C032CC9901	EPA 8270-M	U	PHENANTHRENE	27 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-123	SB	REG	4	C032CC9901	EPA 8270-M	U	PYRENE	310 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-124	SB	REG	0	C032CC0001	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.1 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0	C032CC0001	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0	C032CC0001	EPA 8270-M	U	ACENAPHTHYLENE	11 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0	C032CC0001	EPA 8270-M	U	ANTHRACENE	3.7 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0	C032CC0001	EPA 8270-M	U	BENZ(A)ANTHRACENE	38 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0	C032CC0001	EPA 8270-M	U	BENZO(A)PYRENE	100 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0	C032CC0001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	58 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0	C032CC0001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	140 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0	C032CC0001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	87 UG/KG		J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0	C032CC0001	EPA 8270-M	U	CHRYSENE	53 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0	C032CC0001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	14 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-124	SB	REG	0	C032CC0001	EPA 8270-M	U	FLUORANTHENE	79 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0	C032CC0001	EPA 8270-M	U	FLUORENE	1.2 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0	C032CC0001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	83 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0	C032CC0001	EPA 8270-M	U	NAPHTHALENE	6.4 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0	C032CC0001	EPA 8270-M	U	PHENANTHRENE	17 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0	C032CC0001	EPA 8270-M	U	PYRENE	95 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0.5	C032CD0101	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.7 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0.5	C032CD0101	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0.5	C032CD0101	EPA 8270-M	U	ACENAPHTHYLENE	6.9 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0.5	C032CD0101	EPA 8270-M	U	ANTHRACENE	3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0.5	C032CD0101	EPA 8270-M	U	BENZ(A)ANTHRACENE	20 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0.5	C032CD0101	EPA 8270-M	U	BENZO(A)PYRENE	41 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0.5	C032CD0101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	25 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0.5	C032CD0101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	59 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0.5	C032CD0101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	36 UG/KG		J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0.5	C032CD0101	EPA 8270-M	U	CHRYSENE	25 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0.5	C032CD0101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.7 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0.5	C032CD0101	EPA 8270-M	U	FLUORANTHENE	36 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0.5	C032CD0101	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0.5	C032CD0101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	35 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0.5	C032CD0101	EPA 8270-M	U	NAPHTHALENE	3.3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0.5	C032CD0101	EPA 8270-M	U	PHENANTHRENE	9.5 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	0.5	C032CD0101	EPA 8270-M	U	PYRENE	41 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	2	C032CD0201	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	2	C032CD0201	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	2	C032CD0201	EPA 8270-M	U	ACENAPHTHYLENE	4.9 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	2	C032CD0201	EPA 8270-M	U	ANTHRACENE	4.8 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-124	SB	REG	2	C032CD0201	EPA 8270-M	U	BENZ(A)ANTHRACENE	21 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	2	C032CD0201	EPA 8270-M	U	BENZO(A)PYRENE	39 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	2	C032CD0201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	34 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	2	C032CD0201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	46 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	2	C032CD0201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	23 UG/KG		J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	2	C032CD0201	EPA 8270-M	U	CHRYSENE	30 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	2	C032CD0201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.7 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	2	C032CD0201	EPA 8270-M	U	FLUORANTHENE	46 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	2	C032CD0201	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	2	C032CD0201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	29 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	2	C032CD0201	EPA 8270-M	U	NAPHTHALENE	3.6 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	2	C032CD0201	EPA 8270-M	U	PHENANTHRENE	17 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	2	C032CD0201	EPA 8270-M	U	PYRENE	58 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	4	C032CD0301	EPA 8270-M	U	2-METHYLNAPHTHALENE	3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	4	C032CD0301	EPA 8270-M	U	ACENAPHTHENE	16 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	4	C032CD0301	EPA 8270-M	U	ACENAPHTHYLENE	28 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	4	C032CD0301	EPA 8270-M	U	ANTHRACENE	23 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	4	C032CD0301	EPA 8270-M	U	BENZ(A)ANTHRACENE	210 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	4	C032CD0301	EPA 8270-M	U	BENZO(A)PYRENE	430 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	4	C032CD0301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	270 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	4	C032CD0301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	490 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	4	C032CD0301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	380 UG/KG		J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	4	C032CD0301	EPA 8270-M	U	CHRYSENE	260 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	4	C032CD0301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	57 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	4	C032CD0301	EPA 8270-M	U	FLUORANTHENE	590 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	4	C032CD0301	EPA 8270-M	U	FLUORENE	8.7 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	4	C032CD0301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	320 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-124	SB	REG	4	C032CD0301	EPA 8270-M	U	NAPHTHALENE	18 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	4	C032CD0301	EPA 8270-M	U	PHENANTHRENE	210 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-124	SB	REG	4	C032CD0301	EPA 8270-M	U	PYRENE	660 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-125	SB	FD	4	C032CD0801	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	FD	4	C032CD0801	EPA 8270-M	U	ACENAPHTHENE	4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	FD	4	C032CD0801	EPA 8270-M	U	ACENAPHTHYLENE	51 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	FD	4	C032CD0801	EPA 8270-M	U	ANTHRACENE	24 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	FD	4	C032CD0801	EPA 8270-M	U	BENZ(A)ANTHRACENE	210 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	FD	4	C032CD0801	EPA 8270-M	U	BENZO(A)PYRENE	380 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	FD	4	C032CD0801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	240 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	FD	4	C032CD0801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	340 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	FD	4	C032CD0801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	230 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	FD	4	C032CD0801	EPA 8270-M	U	CHRYSENE	250 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	FD	4	C032CD0801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	47 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	FD	4	C032CD0801	EPA 8270-M	U	FLUORANTHENE	440 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	FD	4	C032CD0801	EPA 8270-M	U	FLUORENE	7.4 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	FD	4	C032CD0801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	240 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	FD	4	C032CD0801	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	FD	4	C032CD0801	EPA 8270-M	U	PHENANTHRENE	140 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	FD	4	C032CD0801	EPA 8270-M	U	PYRENE	580 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0	C032CD0401	EPA 8270-M	U	2-METHYLNAPHTHALENE	2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0	C032CD0401	EPA 8270-M	U	ACENAPHTHENE	4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0	C032CD0401	EPA 8270-M	U	ACENAPHTHYLENE	10 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0	C032CD0401	EPA 8270-M	U	ANTHRACENE	11 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0	C032CD0401	EPA 8270-M	U	BENZ(A)ANTHRACENE	93 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0	C032CD0401	EPA 8270-M	U	BENZO(A)PYRENE	180 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0	C032CD0401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	160 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-125	SB	REG	0	C032CD0401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	230 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0	C032CD0401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	120 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0	C032CD0401	EPA 8270-M	U	CHRYSENE	130 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0	C032CD0401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	28 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0	C032CD0401	EPA 8270-M	U	FLUORANTHENE	210 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0	C032CD0401	EPA 8270-M	U	FLUORENE	2.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0	C032CD0401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	160 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0	C032CD0401	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0	C032CD0401	EPA 8270-M	U	PHENANTHRENE	64 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0	C032CD0401	EPA 8270-M	U	PYRENE	260 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0.5	C032CD0501	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0.5	C032CD0501	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0.5	C032CD0501	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0.5	C032CD0501	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0.5	C032CD0501	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.8 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0.5	C032CD0501	EPA 8270-M	U	BENZO(A)PYRENE	9.5 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0.5	C032CD0501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.6 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0.5	C032CD0501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	15 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0.5	C032CD0501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.3 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0.5	C032CD0501	EPA 8270-M	U	CHRYSENE	8.9 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0.5	C032CD0501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0.5	C032CD0501	EPA 8270-M	U	FLUORANTHENE	13 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0.5	C032CD0501	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0.5	C032CD0501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.5 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0.5	C032CD0501	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0.5	C032CD0501	EPA 8270-M	U	PHENANTHRENE	8.8 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	0.5	C032CD0501	EPA 8270-M	U	PYRENE	15 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-125	SB	REG	2	C032CD0601	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	2	C032CD0601	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	2	C032CD0601	EPA 8270-M	U	ACENAPHTHYLENE	80 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	2	C032CD0601	EPA 8270-M	U	ANTHRACENE	65 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	2	C032CD0601	EPA 8270-M	U	BENZ(A)ANTHRACENE	420 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	2	C032CD0601	EPA 8270-M	U	BENZO(A)PYRENE	570 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	2	C032CD0601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	360 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	2	C032CD0601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	440 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	2	C032CD0601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	380 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	2	C032CD0601	EPA 8270-M	U	CHRYSENE	470 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	2	C032CD0601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	69 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	2	C032CD0601	EPA 8270-M	U	FLUORANTHENE	1100 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	2	C032CD0601	EPA 8270-M	U	FLUORENE	28 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	2	C032CD0601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	330 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	2	C032CD0601	EPA 8270-M	U	NAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	2	C032CD0601	EPA 8270-M	U	PHENANTHRENE	680 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	2	C032CD0601	EPA 8270-M	U	PYRENE	1400 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	4	C032CD0701	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.7 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	4	C032CD0701	EPA 8270-M	U	ACENAPHTHENE	6.5 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	4	C032CD0701	EPA 8270-M	U	ACENAPHTHYLENE	57 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	4	C032CD0701	EPA 8270-M	U	ANTHRACENE	26 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	4	C032CD0701	EPA 8270-M	U	BENZ(A)ANTHRACENE	230 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	4	C032CD0701	EPA 8270-M	U	BENZO(A)PYRENE	410 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	4	C032CD0701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	260 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	4	C032CD0701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	360 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	4	C032CD0701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	240 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	4	C032CD0701	EPA 8270-M	U	CHRYSENE	280 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-125	SB	REG	4	C032CD0701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	50 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	4	C032CD0701	EPA 8270-M	U	FLUORANTHENE	530 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	4	C032CD0701	EPA 8270-M	U	FLUORENE	14 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	4	C032CD0701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	250 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	4	C032CD0701	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	4	C032CD0701	EPA 8270-M	U	PHENANTHRENE	250 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-125	SB	REG	4	C032CD0701	EPA 8270-M	U	PYRENE	700 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-126	SB	REG	0	C032CD0901	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0	C032CD0901	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0	C032CD0901	EPA 8270-M	U	ACENAPHTHYLENE	3.7 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0	C032CD0901	EPA 8270-M	U	ANTHRACENE	52 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0	C032CD0901	EPA 8270-M	U	BENZ(A)ANTHRACENE	560 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0	C032CD0901	EPA 8270-M	U	BENZO(A)PYRENE	690 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0	C032CD0901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	770 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0	C032CD0901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	380 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0	C032CD0901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	500 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0	C032CD0901	EPA 8270-M	U	CHRYSENE	680 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0	C032CD0901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	82 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0	C032CD0901	EPA 8270-M	U	FLUORANTHENE	810 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0	C032CD0901	EPA 8270-M	U	FLUORENE	8.4 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0	C032CD0901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	420 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0	C032CD0901	EPA 8270-M	U	NAPHTHALENE	12 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0	C032CD0901	EPA 8270-M	U	PHENANTHRENE	260 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0	C032CD0901	EPA 8270-M	U	PYRENE	890 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0.5	C032CD1001	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0.5	C032CD1001	EPA 8270-M	U	ACENAPHTHENE	8.8 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0.5	C032CD1001	EPA 8270-M	U	ACENAPHTHYLENE	3.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-126	SB	REG	0.5	C032CD1001	EPA 8270-M	U	ANTHRACENE	41 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0.5	C032CD1001	EPA 8270-M	U	BENZ(A)ANTHRACENE	350 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0.5	C032CD1001	EPA 8270-M	U	BENZO(A)PYRENE	420 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0.5	C032CD1001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	430 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0.5	C032CD1001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	230 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0.5	C032CD1001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	340 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0.5	C032CD1001	EPA 8270-M	U	CHRYSENE	420 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0.5	C032CD1001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	54 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0.5	C032CD1001	EPA 8270-M	U	FLUORANTHENE	540 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0.5	C032CD1001	EPA 8270-M	U	FLUORENE	7.1 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0.5	C032CD1001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	250 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0.5	C032CD1001	EPA 8270-M	U	NAPHTHALENE	7.3 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0.5	C032CD1001	EPA 8270-M	U	PHENANTHRENE	210 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	0.5	C032CD1001	EPA 8270-M	U	PYRENE	600 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	2-METHYLNAPHTHALENE	8.3 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	ACENAPHTHENE	23 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	ACENAPHTHYLENE	3.3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	ANTHRACENE	96 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	BENZ(A)ANTHRACENE	850 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	BENZO(A)PYRENE	1000 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1100 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	570 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	850 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	CHRYSENE	1000 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	140 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	FLUORANTHENE	1300 UG/KG	E	R	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	FLUORENE	15 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	610 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	NAPHTHALENE	17 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	PHENANTHRENE	490 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	PYRENE	1300 UG/KG	E	R	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	2-METHYLNAPHTHALENE	56 UG/KG	U	R	DL1 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	ACENAPHTHENE	22 UG/KG	JD	R	DL1 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	ACENAPHTHYLENE	56 UG/KG	U	R	DL1 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	ANTHRACENE	99 UG/KG	D	R	DL1 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	BENZ(A)ANTHRACENE	840 UG/KG	D	R	DL1 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	BENZO(A)PYRENE	970 UG/KG	D	R	DL1 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1000 UG/KG	D	R	DL1 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	590 UG/KG	D	R	DL1 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	800 UG/KG	D	R	DL1 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	CHRYSENE	1000 UG/KG	D	R	DL1 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	130 UG/KG	D	R	DL1 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	FLUORANTHENE	1300 UG/KG	D		DL1 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	FLUORENE	15 UG/KG	JD	R	DL1 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	620 UG/KG	D	R	DL1 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	NAPHTHALENE	56 UG/KG	U	R	DL1 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	PHENANTHRENE	490 UG/KG	D	R	DL1 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-5-126	SB	REG	2	C032CD1101	EPA 8270-M	U	PYRENE	1300 UG/KG	D		DL1 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-5-126	SB	REG	4	C032CD1201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	4	C032CD1201	EPA 8270-M	U	ACENAPHTHENE	7.6 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	4	C032CD1201	EPA 8270-M	U	ACENAPHTHYLENE	1.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	4	C032CD1201	EPA 8270-M	U	ANTHRACENE	28 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	4	C032CD1201	EPA 8270-M	U	BENZ(A)ANTHRACENE	300 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	4	C032CD1201	EPA 8270-M	U	BENZO(A)PYRENE	380 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-126	SB	REG	4	C032CD1201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	370 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	4	C032CD1201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	230 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	4	C032CD1201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	300 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	4	C032CD1201	EPA 8270-M	U	CHRYSENE	360 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	4	C032CD1201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	51 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	4	C032CD1201	EPA 8270-M	U	FLUORANTHENE	430 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	4	C032CD1201	EPA 8270-M	U	FLUORENE	4.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	4	C032CD1201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	250 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	4	C032CD1201	EPA 8270-M	U	NAPHTHALENE	4.7 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	4	C032CD1201	EPA 8270-M	U	PHENANTHRENE	140 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-126	SB	REG	4	C032CD1201	EPA 8270-M	U	PYRENE	470 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-127	SB	REG	0	C032CD1301	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0	C032CD1301	EPA 8270-M	U	ACENAPHTHENE	8.1 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0	C032CD1301	EPA 8270-M	U	ACENAPHTHYLENE	2.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0	C032CD1301	EPA 8270-M	U	ANTHRACENE	71 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0	C032CD1301	EPA 8270-M	U	BENZ(A)ANTHRACENE	670 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0	C032CD1301	EPA 8270-M	U	BENZO(A)PYRENE	830 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0	C032CD1301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	990 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0	C032CD1301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	490 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0	C032CD1301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	340 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0	C032CD1301	EPA 8270-M	U	CHRYSENE	750 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0	C032CD1301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	120 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0	C032CD1301	EPA 8270-M	U	FLUORANTHENE	1000 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0	C032CD1301	EPA 8270-M	U	FLUORENE	7 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0	C032CD1301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	630 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0	C032CD1301	EPA 8270-M	U	NAPHTHALENE	4.8 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0	C032CD1301	EPA 8270-M	U	PHENANTHRENE	300 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-127	SB	REG	0	C032CD1301	EPA 8270-M	U	PYRENE	860 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	ACENAPHTHYLENE	2.8 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	ANTHRACENE	120 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	BENZ(A)ANTHRACENE	1100 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	BENZO(A)PYRENE	1200 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1500 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	630 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	490 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	CHRYSENE	1100 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	180 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	FLUORANTHENE	1700 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	FLUORENE	12 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	840 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	NAPHTHALENE	4.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	PHENANTHRENE	540 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	PYRENE	1300 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	2-METHYLNAPHTHALENE	55 UG/KG	U	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	ACENAPHTHENE	16 UG/KG	JD	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	ACENAPHTHYLENE	55 UG/KG	U	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	ANTHRACENE	110 UG/KG	D	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	BENZ(A)ANTHRACENE	1000 UG/KG	D	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	BENZO(A)PYRENE	1200 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1400 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	640 UG/KG	D	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	510 UG/KG	D	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002

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Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	CHRYSENE	1100 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	180 UG/KG	D	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	FLUORANTHENE	1500 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	FLUORENE	15 UG/KG	JD	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	830 UG/KG	D	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	NAPHTHALENE	55 UG/KG	U	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	PHENANTHRENE	500 UG/KG	D	R	DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	0.5	C032CD1401	EPA 8270-M	U	PYRENE	1300 UG/KG	D		DL1 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	2	C032CD1501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	2	C032CD1501	EPA 8270-M	U	ACENAPHTHENE	4.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	2	C032CD1501	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	2	C032CD1501	EPA 8270-M	U	ANTHRACENE	25 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	2	C032CD1501	EPA 8270-M	U	BENZ(A)ANTHRACENE	270 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	2	C032CD1501	EPA 8270-M	U	BENZO(A)PYRENE	320 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	2	C032CD1501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	390 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	2	C032CD1501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	200 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	2	C032CD1501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	140 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	2	C032CD1501	EPA 8270-M	U	CHRYSENE	310 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	2	C032CD1501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	48 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	2	C032CD1501	EPA 8270-M	U	FLUORANTHENE	400 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	2	C032CD1501	EPA 8270-M	U	FLUORENE	3.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	2	C032CD1501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	250 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	2	C032CD1501	EPA 8270-M	U	NAPHTHALENE	2.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	2	C032CD1501	EPA 8270-M	U	PHENANTHRENE	120 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	2	C032CD1501	EPA 8270-M	U	PYRENE	350 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	4	C032CD1601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	4	C032CD1601	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-127	SB	REG	4	C032CD1601	EPA 8270-M	U	ACENAPHTHYLENE	1.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	4	C032CD1601	EPA 8270-M	U	ANTHRACENE	2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	4	C032CD1601	EPA 8270-M	U	BENZ(A)ANTHRACENE	16 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	4	C032CD1601	EPA 8270-M	U	BENZO(A)PYRENE	27 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	4	C032CD1601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	31 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	4	C032CD1601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	28 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	4	C032CD1601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8.9 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	4	C032CD1601	EPA 8270-M	U	CHRYSENE	20 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	4	C032CD1601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	4	C032CD1601	EPA 8270-M	U	FLUORANTHENE	27 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	4	C032CD1601	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	4	C032CD1601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	26 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	4	C032CD1601	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	4	C032CD1601	EPA 8270-M	U	PHENANTHRENE	7.6 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-127	SB	REG	4	C032CD1601	EPA 8270-M	U	PYRENE	37 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-128	SB	FD	0.5	C032CD1901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	FD	0.5	C032CD1901	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	FD	0.5	C032CD1901	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	FD	0.5	C032CD1901	EPA 8270-M	U	ANTHRACENE	2.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	FD	0.5	C032CD1901	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	FD	0.5	C032CD1901	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	FD	0.5	C032CD1901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	14 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	FD	0.5	C032CD1901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.4 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	FD	0.5	C032CD1901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.8 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	FD	0.5	C032CD1901	EPA 8270-M	U	CHRYSENE	12 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	FD	0.5	C032CD1901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	FD	0.5	C032CD1901	EPA 8270-M	U	FLUORANTHENE	22 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-128	SB	FD	0.5	C032CD1901	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	FD	0.5	C032CD1901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.4 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	FD	0.5	C032CD1901	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	FD	0.5	C032CD1901	EPA 8270-M	U	PHENANTHRENE	10 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	FD	0.5	C032CD1901	EPA 8270-M	U	PYRENE	27 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0	C032CD1701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0	C032CD1701	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0	C032CD1701	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0	C032CD1701	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0	C032CD1701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0	C032CD1701	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0	C032CD1701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0	C032CD1701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0	C032CD1701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0	C032CD1701	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0	C032CD1701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0	C032CD1701	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0	C032CD1701	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0	C032CD1701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0	C032CD1701	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0	C032CD1701	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0	C032CD1701	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0.5	C032CD1801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0.5	C032CD1801	EPA 8270-M	U	ACENAPHTHENE	2.1 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0.5	C032CD1801	EPA 8270-M	U	ACENAPHTHYLENE	1.7 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0.5	C032CD1801	EPA 8270-M	U	ANTHRACENE	8 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0.5	C032CD1801	EPA 8270-M	U	BENZ(A)ANTHRACENE	49 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-128	SB	REG	0.5	C032CD1801	EPA 8270-M	U	BENZO(A)PYRENE	71 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0.5	C032CD1801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	76 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0.5	C032CD1801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	34 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0.5	C032CD1801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	24 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0.5	C032CD1801	EPA 8270-M	U	CHRYSENE	56 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0.5	C032CD1801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.4 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0.5	C032CD1801	EPA 8270-M	U	FLUORANTHENE	92 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0.5	C032CD1801	EPA 8270-M	U	FLUORENE	3.2 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0.5	C032CD1801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	44 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0.5	C032CD1801	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0.5	C032CD1801	EPA 8270-M	U	PHENANTHRENE	53 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	0.5	C032CD1801	EPA 8270-M	U	PYRENE	94 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	2	C032CD2001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	2	C032CD2001	EPA 8270-M	U	ACENAPHTHENE	4.9 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	2	C032CD2001	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	2	C032CD2001	EPA 8270-M	U	ANTHRACENE	24 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	2	C032CD2001	EPA 8270-M	U	BENZ(A)ANTHRACENE	110 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	2	C032CD2001	EPA 8270-M	U	BENZO(A)PYRENE	130 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	2	C032CD2001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	150 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	2	C032CD2001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	65 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	2	C032CD2001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	52 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	2	C032CD2001	EPA 8270-M	U	CHRYSENE	130 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	2	C032CD2001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	15 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	2	C032CD2001	EPA 8270-M	U	FLUORANTHENE	270 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	2	C032CD2001	EPA 8270-M	U	FLUORENE	7.4 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	2	C032CD2001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	87 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	2	C032CD2001	EPA 8270-M	U	NAPHTHALENE	2.1 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-128	SB	REG	2	C032CD2001	EPA 8270-M	U	PHENANTHRENE	170 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	2	C032CD2001	EPA 8270-M	U	PYRENE	270 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	4	C032CD2101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	4	C032CD2101	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	4	C032CD2101	EPA 8270-M	U	ACENAPHTHYLENE	2 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	4	C032CD2101	EPA 8270-M	U	ANTHRACENE	3.5 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	4	C032CD2101	EPA 8270-M	U	BENZ(A)ANTHRACENE	13 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	4	C032CD2101	EPA 8270-M	U	BENZO(A)PYRENE	23 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	4	C032CD2101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	25 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	4	C032CD2101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	16 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	4	C032CD2101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.4 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	4	C032CD2101	EPA 8270-M	U	CHRYSENE	16 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	4	C032CD2101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.7 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	4	C032CD2101	EPA 8270-M	U	FLUORANTHENE	27 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	4	C032CD2101	EPA 8270-M	U	FLUORENE	1.7 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	4	C032CD2101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	18 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	4	C032CD2101	EPA 8270-M	U	NAPHTHALENE	3.9 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	4	C032CD2101	EPA 8270-M	U	PHENANTHRENE	13 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-128	SB	REG	4	C032CD2101	EPA 8270-M	U	PYRENE	41 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-129	SB	REG	0	C032CD2201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0	C032CD2201	EPA 8270-M	U	ACENAPHTHENE	2 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0	C032CD2201	EPA 8270-M	U	ACENAPHTHYLENE	3.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0	C032CD2201	EPA 8270-M	U	ANTHRACENE	3.8 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0	C032CD2201	EPA 8270-M	U	BENZ(A)ANTHRACENE	29 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0	C032CD2201	EPA 8270-M	U	BENZO(A)PYRENE	33 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0	C032CD2201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	23 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0	C032CD2201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	13 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-129	SB	REG	0	C032CD2201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	31 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0	C032CD2201	EPA 8270-M	U	CHRYSENE	29 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0	C032CD2201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.6 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0	C032CD2201	EPA 8270-M	U	FLUORANTHENE	51 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0	C032CD2201	EPA 8270-M	U	FLUORENE	1.8 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0	C032CD2201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.8 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0	C032CD2201	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0	C032CD2201	EPA 8270-M	U	PHENANTHRENE	31 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0	C032CD2201	EPA 8270-M	U	PYRENE	83 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.3 UG/KG	J	R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	BENZO(A)PYRENE	12 UG/KG		R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	27 UG/KG		R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	27 UG/KG		R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	CHRYSENE	12 UG/KG		R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.7 UG/KG	J	R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG		R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.5 UG/KG	J	R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	PHENANTHRENE	2.9 UG/KG	J	R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	PYRENE	16 UG/KG		R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	RA0 REG	5/24/2002	5/28/2002	5/29/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	ANTHRACENE	1.7 UG/KG	J	J	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG			RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	BENZO(A)PYRENE	7.6 UG/KG			RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG			RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.4 UG/KG			RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5 UG/KG	J	J	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	CHRYSENE	6.3 UG/KG			RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	FLUORANTHENE	13 UG/KG			RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.4 UG/KG	J	J	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	PHENANTHRENE	7.3 UG/KG			RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	0.5	C032CD2301	EPA 8270-M	U	PYRENE	16 UG/KG			RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	ACENAPHTHYLENE	2.5 UG/KG	J	R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	ANTHRACENE	1.8 UG/KG	J	R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	BENZ(A)ANTHRACENE	12 UG/KG		R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	BENZO(A)PYRENE	22 UG/KG		R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	20 UG/KG		R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	21 UG/KG		R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	14 UG/KG		R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	CHRYSENE	25 UG/KG		R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4 UG/KG	J	R	000 REG	5/24/2002	5/25/2002	5/26/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	FLUORANTHENE	19 UG/KG		R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.6 UG/KG		R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	PHENANTHRENE	9.2 UG/KG		R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	PYRENE	41 UG/KG		R	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.1 UG/KG	J	J	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	ACENAPHTHYLENE	2.7 UG/KG	J	J	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	ANTHRACENE	3.5 UG/KG	J	J	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	BENZ(A)ANTHRACENE	13 UG/KG			RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	BENZO(A)PYRENE	22 UG/KG		J	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	25 UG/KG		J	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	19 UG/KG		J	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	11 UG/KG		J	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	CHRYSENE	24 UG/KG			RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4 UG/KG	J	J	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	FLUORANTHENE	21 UG/KG			RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.6 UG/KG			RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	NAPHTHALENE	1.3 UG/KG	J	J	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	PHENANTHRENE	10 UG/KG			RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-129	SB	REG	2	C032CD2401	EPA 8270-M	U	PYRENE	42 UG/KG			RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	ACENAPHTHYLENE	3.9 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	ANTHRACENE	2.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	BENZ(A)ANTHRACENE	20 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	BENZO(A)PYRENE	35 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	35 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	26 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	27 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	CHRYSENE	28 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	19 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	FLUORANTHENE	31 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	FLUORENE	1.4 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	16 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	PHENANTHRENE	22 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	PYRENE	64 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	ACENAPHTHYLENE	2.6 UG/KG	J	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	ANTHRACENE	2.8 UG/KG	J	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	BENZ(A)ANTHRACENE	14 UG/KG		R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	BENZO(A)PYRENE	20 UG/KG		R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	15 UG/KG		R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	17 UG/KG		R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	12 UG/KG		R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	CHRYSENE	16 UG/KG		R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.9 UG/KG	J	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	FLUORANTHENE	29 UG/KG		R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	12 UG/KG		R	RA0 REG	5/24/2002	5/28/2002	5/29/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	PHENANTHRENE	16 UG/KG		R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-129	SB	REG	4	C032CD2501	EPA 8270-M	U	PYRENE	44 UG/KG		R	RA0 REG	5/24/2002	5/28/2002	5/29/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.2 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	BENZO(A)PYRENE	13 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	13 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	10 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.3 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	CHRYSENE	6 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	UJ	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	FLUORANTHENE	7.8 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.5 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	PHENANTHRENE	2.1 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	PYRENE	32 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	ANTHRACENE	1.9 UG/KG	J	R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.9 UG/KG	J	R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	13 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	12 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9.4 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	CHRYSENE	6.4 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	FLUORANTHENE	10 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.9 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	PHENANTHRENE	2.6 UG/KG	J	R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	FD	4	C032CD3001	EPA 8270-M	U	PYRENE	31 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	REG	0	C032CD2601	EPA 8270-M	U	2-METHYLNAPHTHALENE	53 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0	C032CD2601	EPA 8270-M	U	ACENAPHTHENE	53 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0	C032CD2601	EPA 8270-M	U	ACENAPHTHYLENE	53 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0	C032CD2601	EPA 8270-M	U	ANTHRACENE	53 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0	C032CD2601	EPA 8270-M	U	BENZ(A)ANTHRACENE	53 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0	C032CD2601	EPA 8270-M	U	BENZO(A)PYRENE	23 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0	C032CD2601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	20 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0	C032CD2601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	53 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0	C032CD2601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	53 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0	C032CD2601	EPA 8270-M	U	CHRYSENE	16 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0	C032CD2601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	53 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0	C032CD2601	EPA 8270-M	U	FLUORANTHENE	53 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0	C032CD2601	EPA 8270-M	U	FLUORENE	53 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0	C032CD2601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	53 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0	C032CD2601	EPA 8270-M	U	NAPHTHALENE	53 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0	C032CD2601	EPA 8270-M	U	PHENANTHRENE	16 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0	C032CD2601	EPA 8270-M	U	PYRENE	31 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-130	SB	REG	0.5	C032CD2701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0.5	C032CD2701	EPA 8270-M	U	ACENAPHTHENE	1.7 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0.5	C032CD2701	EPA 8270-M	U	ACENAPHTHYLENE	8.3 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0.5	C032CD2701	EPA 8270-M	U	ANTHRACENE	4.8 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0.5	C032CD2701	EPA 8270-M	U	BENZ(A)ANTHRACENE	21 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0.5	C032CD2701	EPA 8270-M	U	BENZO(A)PYRENE	30 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0.5	C032CD2701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	29 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0.5	C032CD2701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	22 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0.5	C032CD2701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	16 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0.5	C032CD2701	EPA 8270-M	U	CHRYSENE	26 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0.5	C032CD2701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.9 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0.5	C032CD2701	EPA 8270-M	U	FLUORANTHENE	49 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0.5	C032CD2701	EPA 8270-M	U	FLUORENE	4.5 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0.5	C032CD2701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	12 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0.5	C032CD2701	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0.5	C032CD2701	EPA 8270-M	U	PHENANTHRENE	57 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	0.5	C032CD2701	EPA 8270-M	U	PYRENE	81 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	ACENAPHTHENE	8.7 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	ACENAPHTHYLENE	19 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	ANTHRACENE	17 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	BENZ(A)ANTHRACENE	70 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	BENZO(A)PYRENE	92 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	95 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	62 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	70 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	CHRYSENE	89 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002

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Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	14 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	FLUORANTHENE	150 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	FLUORENE	8.9 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	28 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	PHENANTHRENE	150 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	PYRENE	230 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	2-METHYLNAPHTHALENE	3 UG/KG	J	R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	ACENAPHTHYLENE	20 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	ANTHRACENE	28 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	BENZ(A)ANTHRACENE	74 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	BENZO(A)PYRENE	96 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	84 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	68 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	85 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	CHRYSENE	90 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	15 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	FLUORANTHENE	190 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	FLUORENE	10 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	33 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	NAPHTHALENE	11 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	PHENANTHRENE	180 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	REG	2	C032CD2801	EPA 8270-M	U	PYRENE	220 UG/KG		R	RA0 REG	5/24/2002	5/25/2002	5/28/2002
32EDC-5-130	SB	REG	4	C032CD2901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	4	C032CD2901	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	4	C032CD2901	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-130	SB	REG	4	C032CD2901	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	4	C032CD2901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	4	C032CD2901	EPA 8270-M	U	BENZO(A)PYRENE	17 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	4	C032CD2901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	17 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	4	C032CD2901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	12 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	4	C032CD2901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.8 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	4	C032CD2901	EPA 8270-M	U	CHRYSENE	7.8 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	4	C032CD2901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	4	C032CD2901	EPA 8270-M	U	FLUORANTHENE	9.6 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	4	C032CD2901	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	4	C032CD2901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.7 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	4	C032CD2901	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	4	C032CD2901	EPA 8270-M	U	PHENANTHRENE	2.7 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-130	SB	REG	4	C032CD2901	EPA 8270-M	U	PYRENE	33 UG/KG			000 REG	5/24/2002	5/25/2002	5/26/2002
32EDC-5-131	SB	REG	0	C032CD3101	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.3 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0	C032CD3101	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0	C032CD3101	EPA 8270-M	U	ACENAPHTHYLENE	2.5 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0	C032CD3101	EPA 8270-M	U	ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0	C032CD3101	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.5 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0	C032CD3101	EPA 8270-M	U	BENZO(A)PYRENE	13 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0	C032CD3101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	12 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0	C032CD3101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	16 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0	C032CD3101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9.8 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0	C032CD3101	EPA 8270-M	U	CHRYSENE	11 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0	C032CD3101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0	C032CD3101	EPA 8270-M	U	FLUORANTHENE	11 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0	C032CD3101	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-131	SB	REG	0	C032CD3101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	15 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0	C032CD3101	EPA 8270-M	U	NAPHTHALENE	4.2 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0	C032CD3101	EPA 8270-M	U	PHENANTHRENE	4.3 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0	C032CD3101	EPA 8270-M	U	PYRENE	30 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0.5	C032CD3201	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.53 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0.5	C032CD3201	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0.5	C032CD3201	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0.5	C032CD3201	EPA 8270-M	U	ANTHRACENE	0.87 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0.5	C032CD3201	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.8 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0.5	C032CD3201	EPA 8270-M	U	BENZO(A)PYRENE	18 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0.5	C032CD3201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	14 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0.5	C032CD3201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	15 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0.5	C032CD3201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	10 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0.5	C032CD3201	EPA 8270-M	U	CHRYSENE	7.1 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0.5	C032CD3201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.2 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0.5	C032CD3201	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0.5	C032CD3201	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0.5	C032CD3201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	13 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0.5	C032CD3201	EPA 8270-M	U	NAPHTHALENE	1.1 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0.5	C032CD3201	EPA 8270-M	U	PHENANTHRENE	2.2 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	0.5	C032CD3201	EPA 8270-M	U	PYRENE	30 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	2	C032CD3301	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.7 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	2	C032CD3301	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	2	C032CD3301	EPA 8270-M	U	ACENAPHTHYLENE	7.3 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	2	C032CD3301	EPA 8270-M	U	ANTHRACENE	3.2 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	2	C032CD3301	EPA 8270-M	U	BENZ(A)ANTHRACENE	23 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	2	C032CD3301	EPA 8270-M	U	BENZO(A)PYRENE	100 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-131	SB	REG	2	C032CD3301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	70 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	2	C032CD3301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	87 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	2	C032CD3301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	43 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	2	C032CD3301	EPA 8270-M	U	CHRYSENE	25 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	2	C032CD3301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	12 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	2	C032CD3301	EPA 8270-M	U	FLUORANTHENE	23 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	2	C032CD3301	EPA 8270-M	U	FLUORENE	1.6 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	2	C032CD3301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	85 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	2	C032CD3301	EPA 8270-M	U	NAPHTHALENE	10 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	2	C032CD3301	EPA 8270-M	U	PHENANTHRENE	7.7 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	2	C032CD3301	EPA 8270-M	U	PYRENE	140 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.6 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	ACENAPHTHENE	1.5 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	ACENAPHTHYLENE	6.6 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	ANTHRACENE	9.5 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	BENZ(A)ANTHRACENE	40 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	BENZO(A)PYRENE	130 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	130 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	130 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	120 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	CHRYSENE	63 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	17 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	FLUORANTHENE	87 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	FLUORENE	3.4 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	120 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	NAPHTHALENE	10 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	PHENANTHRENE	17 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	PYRENE	420 UG/KG	E	R	000 REG	5/24/2002	5/26/2002	5/29/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	2-METHYLNAPHTHALENE	11 UG/KG	J	R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	ACENAPHTHENE	13 UG/KG	U	R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	ACENAPHTHYLENE	7.6 UG/KG	J	R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	ANTHRACENE	10 UG/KG	J	R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	BENZ(A)ANTHRACENE	43 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	BENZO(A)PYRENE	130 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	140 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	160 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	100 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	CHRYSENE	64 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	15 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	FLUORANTHENE	90 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	FLUORENE	2.9 UG/KG	J	R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	140 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	NAPHTHALENE	18 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	PHENANTHRENE	20 UG/KG		R	DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-131	SB	REG	4	C032CD3401	EPA 8270-M	U	PYRENE	420 UG/KG			DL1 REG	5/24/2002	5/26/2002	5/31/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	J	R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	ACENAPHTHENE	12 UG/KG		R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	ACENAPHTHYLENE	4.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	ANTHRACENE	53 UG/KG		R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	BENZ(A)ANTHRACENE	530 UG/KG	E	R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	BENZO(A)PYRENE	600 UG/KG	E	R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	490 UG/KG	E	R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	290 UG/KG	E	R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	600 UG/KG	E	R	000 REG	5/28/2002	5/29/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	CHRYSENE	670 UG/KG	E	R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	120 UG/KG		R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	FLUORANTHENE	810 UG/KG	E	R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	FLUORENE	9.6 UG/KG		R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	260 UG/KG		R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	NAPHTHALENE	7.3 UG/KG		R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	PHENANTHRENE	270 UG/KG		R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	PYRENE	750 UG/KG	E	R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.5 UG/KG	J	J	DL1 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	ACENAPHTHENE	14 UG/KG	J	J	DL1 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	ACENAPHTHYLENE	54 UG/KG	U	R	DL1 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	ANTHRACENE	57 UG/KG			DL1 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	BENZ(A)ANTHRACENE	690 UG/KG			DL1 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	BENZO(A)PYRENE	780 UG/KG		J	DL1 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	700 UG/KG		J	DL1 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	540 UG/KG		J	DL1 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	730 UG/KG		J	DL1 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	CHRYSENE	850 UG/KG			DL1 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	190 UG/KG		J	DL1 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	FLUORANTHENE	950 UG/KG		J	DL1 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	FLUORENE	12 UG/KG	J	J	DL1 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	590 UG/KG		J	DL1 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	NAPHTHALENE	11 UG/KG	J	J	DL1 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	PHENANTHRENE	320 UG/KG		J	DL1 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-5-132	SB	REG	0	C032CD3501	EPA 8270-M	U	PYRENE	970 UG/KG		J	DL1 REG	5/28/2002	5/29/2002	6/13/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG		R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	ACENAPHTHENE	4.1 UG/KG	J	R	000 REG	5/28/2002	5/29/2002	6/1/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	ACENAPHTHYLENE	4.7 UG/KG	J	R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	ANTHRACENE	25 UG/KG		R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	BENZ(A)ANTHRACENE	180 UG/KG		R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	BENZO(A)PYRENE	240 UG/KG		R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	160 UG/KG		R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	160 UG/KG		R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	270 UG/KG		R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	CHRYSENE	250 UG/KG		R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	53 UG/KG		R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	FLUORANTHENE	290 UG/KG	E	R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	FLUORENE	4.7 UG/KG	J	R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	130 UG/KG		R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	NAPHTHALENE	7.2 UG/KG		R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	PHENANTHRENE	110 UG/KG		R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	PYRENE	310 UG/KG	E	R	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	J	J	DL1 REG	5/28/2002	5/29/2002	6/7/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	J	J	DL1 REG	5/28/2002	5/29/2002	6/7/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	J	J	DL1 REG	5/28/2002	5/29/2002	6/7/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	ANTHRACENE	45 UG/KG			DL1 REG	5/28/2002	5/29/2002	6/7/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	BENZ(A)ANTHRACENE	160 UG/KG			DL1 REG	5/28/2002	5/29/2002	6/7/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	BENZO(A)PYRENE	350 UG/KG		J	DL1 REG	5/28/2002	5/29/2002	6/7/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	340 UG/KG		J	DL1 REG	5/28/2002	5/29/2002	6/7/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	180 UG/KG		J	DL1 REG	5/28/2002	5/29/2002	6/7/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	220 UG/KG		J	DL1 REG	5/28/2002	5/29/2002	6/7/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	CHRYSENE	430 UG/KG		J	DL1 REG	5/28/2002	5/29/2002	6/7/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	67 UG/KG		J	DL1 REG	5/28/2002	5/29/2002	6/7/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	FLUORANTHENE	430 UG/KG		J	DL1 REG	5/28/2002	5/29/2002	6/7/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	FLUORENE	7.5 UG/KG	J	J	DL1 REG	5/28/2002	5/29/2002	6/7/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	220 UG/KG			DL1 REG	5/28/2002	5/29/2002	6/7/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	NAPHTHALENE	11 UG/KG	J	J	DL1 REG	5/28/2002	5/29/2002	6/7/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	PHENANTHRENE	130 UG/KG		J	DL1 REG	5/28/2002	5/29/2002	6/7/2002
32EDC-5-132	SB	REG	0.5	C032CD3601	EPA 8270-M	U	PYRENE	480 UG/KG		J	DL1 REG	5/28/2002	5/29/2002	6/7/2002
32EDC-5-132	SB	REG	2	C032CD3701	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	2	C032CD3701	EPA 8270-M	U	ACENAPHTHENE	2.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	2	C032CD3701	EPA 8270-M	U	ACENAPHTHYLENE	1.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	2	C032CD3701	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	2	C032CD3701	EPA 8270-M	U	BENZ(A)ANTHRACENE	62 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	2	C032CD3701	EPA 8270-M	U	BENZO(A)PYRENE	82 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	2	C032CD3701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	58 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	2	C032CD3701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	50 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	2	C032CD3701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	86 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	2	C032CD3701	EPA 8270-M	U	CHRYSENE	100 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	2	C032CD3701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	16 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	2	C032CD3701	EPA 8270-M	U	FLUORANTHENE	87 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	2	C032CD3701	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	2	C032CD3701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	39 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	2	C032CD3701	EPA 8270-M	U	NAPHTHALENE	1.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	2	C032CD3701	EPA 8270-M	U	PHENANTHRENE	24 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	2	C032CD3701	EPA 8270-M	U	PYRENE	110 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	4	C032CD3801	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.78 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	4	C032CD3801	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	4	C032CD3801	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	4	C032CD3801	EPA 8270-M	U	ANTHRACENE	0.69 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	4	C032CD3801	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-132	SB	REG	4	C032CD3801	EPA 8270-M	U	BENZO(A)PYRENE	4.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	4	C032CD3801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	4	C032CD3801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	4	C032CD3801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	4	C032CD3801	EPA 8270-M	U	CHRYSENE	3.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	4	C032CD3801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.95 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	4	C032CD3801	EPA 8270-M	U	FLUORANTHENE	3.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	4	C032CD3801	EPA 8270-M	U	FLUORENE	6 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	4	C032CD3801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	4	C032CD3801	EPA 8270-M	U	NAPHTHALENE	0.76 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	4	C032CD3801	EPA 8270-M	U	PHENANTHRENE	1.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-132	SB	REG	4	C032CD3801	EPA 8270-M	U	PYRENE	9.9 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32EDC-5-133	SB	FD	2	C032CD4201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	FD	2	C032CD4201	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	FD	2	C032CD4201	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	FD	2	C032CD4201	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	FD	2	C032CD4201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	FD	2	C032CD4201	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	FD	2	C032CD4201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	FD	2	C032CD4201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.4 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	FD	2	C032CD4201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	FD	2	C032CD4201	EPA 8270-M	U	CHRYSENE	3.2 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	FD	2	C032CD4201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	FD	2	C032CD4201	EPA 8270-M	U	FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	FD	2	C032CD4201	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	FD	2	C032CD4201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	FD	2	C032CD4201	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-133	SB	FD	2	C032CD4201	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	FD	2	C032CD4201	EPA 8270-M	U	PYRENE	2.2 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	0	C032CD3901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-133	SB	REG	0	C032CD3901	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-133	SB	REG	0	C032CD3901	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-133	SB	REG	0	C032CD3901	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-133	SB	REG	0	C032CD3901	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-133	SB	REG	0	C032CD3901	EPA 8270-M	U	BENZO(A)PYRENE	2.4 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-133	SB	REG	0	C032CD3901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.9 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-133	SB	REG	0	C032CD3901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.6 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-133	SB	REG	0	C032CD3901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-133	SB	REG	0	C032CD3901	EPA 8270-M	U	CHRYSENE	12 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-133	SB	REG	0	C032CD3901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-133	SB	REG	0	C032CD3901	EPA 8270-M	U	FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-133	SB	REG	0	C032CD3901	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-133	SB	REG	0	C032CD3901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.1 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-133	SB	REG	0	C032CD3901	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-133	SB	REG	0	C032CD3901	EPA 8270-M	U	PHENANTHRENE	2 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-133	SB	REG	0	C032CD3901	EPA 8270-M	U	PYRENE	2.9 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-133	SB	REG	0.5	C032CD4001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	0.5	C032CD4001	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	0.5	C032CD4001	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	0.5	C032CD4001	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	0.5	C032CD4001	EPA 8270-M	U	BENZ(A)ANTHRACENE	26 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	0.5	C032CD4001	EPA 8270-M	U	BENZO(A)PYRENE	33 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	0.5	C032CD4001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	36 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	0.5	C032CD4001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	23 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-133	SB	REG	0.5	C032CD4001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	29 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	0.5	C032CD4001	EPA 8270-M	U	CHRYSENE	32 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	0.5	C032CD4001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	0.5	C032CD4001	EPA 8270-M	U	FLUORANTHENE	28 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	0.5	C032CD4001	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	0.5	C032CD4001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	24 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	0.5	C032CD4001	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	0.5	C032CD4001	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	0.5	C032CD4001	EPA 8270-M	U	PYRENE	29 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	2	C032CD4101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	2	C032CD4101	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	2	C032CD4101	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	2	C032CD4101	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	2	C032CD4101	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.6 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	2	C032CD4101	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	2	C032CD4101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	2	C032CD4101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	2	C032CD4101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	2	C032CD4101	EPA 8270-M	U	CHRYSENE	3.7 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	2	C032CD4101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	2	C032CD4101	EPA 8270-M	U	FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	2	C032CD4101	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	2	C032CD4101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.6 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	2	C032CD4101	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	2	C032CD4101	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	2	C032CD4101	EPA 8270-M	U	PYRENE	2.9 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	4	C032CD4301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-133	SB	REG	4	C032CD4301	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	4	C032CD4301	EPA 8270-M	U	ACENAPHTHYLENE	2.6 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	4	C032CD4301	EPA 8270-M	U	ANTHRACENE	4.7 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	4	C032CD4301	EPA 8270-M	U	BENZ(A)ANTHRACENE	23 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	4	C032CD4301	EPA 8270-M	U	BENZO(A)PYRENE	41 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	4	C032CD4301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	31 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	4	C032CD4301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	44 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	4	C032CD4301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	25 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	4	C032CD4301	EPA 8270-M	U	CHRYSENE	29 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	4	C032CD4301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.1 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	4	C032CD4301	EPA 8270-M	U	FLUORANTHENE	58 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	4	C032CD4301	EPA 8270-M	U	FLUORENE	1.4 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	4	C032CD4301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	38 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	4	C032CD4301	EPA 8270-M	U	NAPHTHALENE	2.2 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	4	C032CD4301	EPA 8270-M	U	PHENANTHRENE	33 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-133	SB	REG	4	C032CD4301	EPA 8270-M	U	PYRENE	76 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-134	SB	REG	0	C032CD4401	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0	C032CD4401	EPA 8270-M	U	ACENAPHTHENE	6.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0	C032CD4401	EPA 8270-M	U	ACENAPHTHYLENE	4.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0	C032CD4401	EPA 8270-M	U	ANTHRACENE	3.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0	C032CD4401	EPA 8270-M	U	BENZ(A)ANTHRACENE	23 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0	C032CD4401	EPA 8270-M	U	BENZO(A)PYRENE	60 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0	C032CD4401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	41 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0	C032CD4401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	73 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0	C032CD4401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	36 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0	C032CD4401	EPA 8270-M	U	CHRYSENE	29 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0	C032CD4401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/29/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-134	SB	REG	0	C032CD4401	EPA 8270-M	U	FLUORANTHENE	31 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0	C032CD4401	EPA 8270-M	U	FLUORENE	6.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0	C032CD4401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	48 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0	C032CD4401	EPA 8270-M	U	NAPHTHALENE	4.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0	C032CD4401	EPA 8270-M	U	PHENANTHRENE	10 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0	C032CD4401	EPA 8270-M	U	PYRENE	70 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0.5	C032CD4501	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0.5	C032CD4501	EPA 8270-M	U	ACENAPHTHENE	1.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0.5	C032CD4501	EPA 8270-M	U	ACENAPHTHYLENE	2.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0.5	C032CD4501	EPA 8270-M	U	ANTHRACENE	4.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0.5	C032CD4501	EPA 8270-M	U	BENZ(A)ANTHRACENE	34 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0.5	C032CD4501	EPA 8270-M	U	BENZO(A)PYRENE	53 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0.5	C032CD4501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	37 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0.5	C032CD4501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	41 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0.5	C032CD4501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	37 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0.5	C032CD4501	EPA 8270-M	U	CHRYSENE	45 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0.5	C032CD4501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0.5	C032CD4501	EPA 8270-M	U	FLUORANTHENE	51 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0.5	C032CD4501	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0.5	C032CD4501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	29 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0.5	C032CD4501	EPA 8270-M	U	NAPHTHALENE	2.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0.5	C032CD4501	EPA 8270-M	U	PHENANTHRENE	18 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	0.5	C032CD4501	EPA 8270-M	U	PYRENE	80 UG/KG			000 REG	5/28/2002	5/29/2002	5/29/2002
32EDC-5-134	SB	REG	2	C032CD4601	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	2	C032CD4601	EPA 8270-M	U	ACENAPHTHENE	8.7 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	2	C032CD4601	EPA 8270-M	U	ACENAPHTHYLENE	4.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	2	C032CD4601	EPA 8270-M	U	ANTHRACENE	13 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-134	SB	REG	2	C032CD4601	EPA 8270-M	U	BENZ(A)ANTHRACENE	110 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	2	C032CD4601	EPA 8270-M	U	BENZO(A)PYRENE	170 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	2	C032CD4601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	120 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	2	C032CD4601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	110 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	2	C032CD4601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	120 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	2	C032CD4601	EPA 8270-M	U	CHRYSENE	150 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	2	C032CD4601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	32 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	2	C032CD4601	EPA 8270-M	U	FLUORANTHENE	130 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	2	C032CD4601	EPA 8270-M	U	FLUORENE	2.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	2	C032CD4601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	87 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	2	C032CD4601	EPA 8270-M	U	NAPHTHALENE	8.7 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	2	C032CD4601	EPA 8270-M	U	PHENANTHRENE	44 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	2	C032CD4601	EPA 8270-M	U	PYRENE	200 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	ACENAPHTHENE	31 UG/KG		J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	ANTHRACENE	70 UG/KG		J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	BENZ(A)ANTHRACENE	440 UG/KG		J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	BENZO(A)PYRENE	530 UG/KG		J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	390 UG/KG		J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	250 UG/KG		J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	450 UG/KG		J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	CHRYSENE	550 UG/KG		J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	100 UG/KG		J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	FLUORANTHENE	630 UG/KG		J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	FLUORENE	12 UG/KG		J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	220 UG/KG		J	000 REG	5/28/2002	5/29/2002	5/30/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
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32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	NAPHTHALENE	4.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	PHENANTHRENE	260 UG/KG	E	R	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	PYRENE	750 UG/KG		J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.3 UG/KG	J	R	DL1 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	ACENAPHTHENE	35 UG/KG		R	DL1 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	ACENAPHTHYLENE	30 UG/KG	U	R	DL1 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	ANTHRACENE	60 UG/KG		R	DL1 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	BENZ(A)ANTHRACENE	500 UG/KG		R	DL1 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	BENZO(A)PYRENE	590 UG/KG		R	DL1 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	480 UG/KG		R	DL1 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	190 UG/KG		R	DL1 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	530 UG/KG		R	DL1 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	CHRYSENE	600 UG/KG		R	DL1 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	86 UG/KG		R	DL1 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	FLUORANTHENE	700 UG/KG		R	DL1 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	FLUORENE	14 UG/KG	J	R	DL1 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	140 UG/KG		R	DL1 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	NAPHTHALENE	6.5 UG/KG	J	R	DL1 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	PHENANTHRENE	280 UG/KG	D		DL1 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	PYRENE	840 UG/KG		R	DL1 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.5 UG/KG	J	R	RA0 REG	5/28/2002	5/31/2002	6/4/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	ACENAPHTHENE	19 UG/KG		R	RA0 REG	5/28/2002	5/31/2002	6/4/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	ACENAPHTHYLENE	41 UG/KG		R	RA0 REG	5/28/2002	5/31/2002	6/4/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	ANTHRACENE	60 UG/KG		R	RA0 REG	5/28/2002	5/31/2002	6/4/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	BENZ(A)ANTHRACENE	310 UG/KG		R	RA0 REG	5/28/2002	5/31/2002	6/4/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	BENZO(A)PYRENE	430 UG/KG		R	RA0 REG	5/28/2002	5/31/2002	6/4/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	290 UG/KG		R	RA0 REG	5/28/2002	5/31/2002	6/4/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	220 UG/KG		R	RA0 REG	5/28/2002	5/31/2002	6/4/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	310 UG/KG		R	RA0 REG	5/28/2002	5/31/2002	6/4/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	CHRYSENE	350 UG/KG		R	RA0 REG	5/28/2002	5/31/2002	6/4/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	49 UG/KG		R	RA0 REG	5/28/2002	5/31/2002	6/4/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	FLUORANTHENE	730 UG/KG		R	RA0 REG	5/28/2002	5/31/2002	6/4/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	FLUORENE	23 UG/KG		R	RA0 REG	5/28/2002	5/31/2002	6/4/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	160 UG/KG		R	RA0 REG	5/28/2002	5/31/2002	6/4/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	R	RA0 REG	5/28/2002	5/31/2002	6/4/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	PHENANTHRENE	400 UG/KG		R	RA0 REG	5/28/2002	5/31/2002	6/4/2002
32EDC-5-134	SB	REG	4	C032CD4701	EPA 8270-M	U	PYRENE	860 UG/KG		R	RA0 REG	5/28/2002	5/31/2002	6/4/2002
32EDC-5-135	SB	FD	4	C032CD5201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	FD	4	C032CD5201	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	FD	4	C032CD5201	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	FD	4	C032CD5201	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	FD	4	C032CD5201	EPA 8270-M	U	BENZ(A)ANTHRACENE	17 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	FD	4	C032CD5201	EPA 8270-M	U	BENZO(A)PYRENE	35 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	FD	4	C032CD5201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	28 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	FD	4	C032CD5201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	44 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	FD	4	C032CD5201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	25 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	FD	4	C032CD5201	EPA 8270-M	U	CHRYSENE	24 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	FD	4	C032CD5201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	FD	4	C032CD5201	EPA 8270-M	U	FLUORANTHENE	49 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	FD	4	C032CD5201	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	FD	4	C032CD5201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	39 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	FD	4	C032CD5201	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	FD	4	C032CD5201	EPA 8270-M	U	PHENANTHRENE	8.3 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	FD	4	C032CD5201	EPA 8270-M	U	PYRENE	72 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	ACENAPHTHENE	12 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	ACENAPHTHYLENE	2.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	ANTHRACENE	84 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	BENZ(A)ANTHRACENE	850 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	BENZO(A)PYRENE	970 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	840 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	530 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	680 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	CHRYSENE	860 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	140 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	FLUORANTHENE	1200 UG/KG	E	R	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	FLUORENE	5.8 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	680 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	PHENANTHRENE	310 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	PYRENE	1100 UG/KG	E	R	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	2-METHYLNAPHTHALENE	28 UG/KG	U	R	DL1 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG	JD	R	DL1 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	ACENAPHTHYLENE	28 UG/KG	U	R	DL1 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	ANTHRACENE	84 UG/KG	D	R	DL1 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	BENZ(A)ANTHRACENE	830 UG/KG	D	R	DL1 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	BENZO(A)PYRENE	930 UG/KG	D	R	DL1 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	850 UG/KG	D	R	DL1 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	430 UG/KG	D	R	DL1 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	730 UG/KG	D	R	DL1 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	CHRYSENE	870 UG/KG	D	R	DL1 REG	5/28/2002	5/29/2002	5/31/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	110 UG/KG	D	R	DL1 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	FLUORANTHENE	1200 UG/KG	D		DL1 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	FLUORENE	28 UG/KG	U	R	DL1 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	510 UG/KG	D	R	DL1 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	NAPHTHALENE	28 UG/KG	U	R	DL1 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	PHENANTHRENE	300 UG/KG	D	R	DL1 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0	C032CD4801	EPA 8270-M	U	PYRENE	1200 UG/KG	D		DL1 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0.5	C032CD4901	EPA 8270-M	U	2-METHYLNAPHTHALENE	11 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0.5	C032CD4901	EPA 8270-M	U	ACENAPHTHENE	5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0.5	C032CD4901	EPA 8270-M	U	ACENAPHTHYLENE	53 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0.5	C032CD4901	EPA 8270-M	U	ANTHRACENE	97 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0.5	C032CD4901	EPA 8270-M	U	BENZ(A)ANTHRACENE	310 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0.5	C032CD4901	EPA 8270-M	U	BENZO(A)PYRENE	470 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0.5	C032CD4901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	370 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0.5	C032CD4901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	480 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0.5	C032CD4901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	320 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0.5	C032CD4901	EPA 8270-M	U	CHRYSENE	410 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0.5	C032CD4901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	52 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0.5	C032CD4901	EPA 8270-M	U	FLUORANTHENE	800 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0.5	C032CD4901	EPA 8270-M	U	FLUORENE	40 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0.5	C032CD4901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	490 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0.5	C032CD4901	EPA 8270-M	U	NAPHTHALENE	22 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0.5	C032CD4901	EPA 8270-M	U	PHENANTHRENE	670 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	0.5	C032CD4901	EPA 8270-M	U	PYRENE	930 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32EDC-5-135	SB	REG	2	C032CD5001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	2	C032CD5001	EPA 8270-M	U	ACENAPHTHENE	1.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	2	C032CD5001	EPA 8270-M	U	ACENAPHTHYLENE	2.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-135	SB	REG	2	C032CD5001	EPA 8270-M	U	ANTHRACENE	9.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	2	C032CD5001	EPA 8270-M	U	BENZ(A)ANTHRACENE	56 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	2	C032CD5001	EPA 8270-M	U	BENZO(A)PYRENE	82 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	2	C032CD5001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	78 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	2	C032CD5001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	96 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	2	C032CD5001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	58 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	2	C032CD5001	EPA 8270-M	U	CHRYSENE	74 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	2	C032CD5001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	10 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	2	C032CD5001	EPA 8270-M	U	FLUORANTHENE	120 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	2	C032CD5001	EPA 8270-M	U	FLUORENE	1.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	2	C032CD5001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	93 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	2	C032CD5001	EPA 8270-M	U	NAPHTHALENE	3.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	2	C032CD5001	EPA 8270-M	U	PHENANTHRENE	49 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	2	C032CD5001	EPA 8270-M	U	PYRENE	130 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	4	C032CD5101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	4	C032CD5101	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	4	C032CD5101	EPA 8270-M	U	ACENAPHTHYLENE	2.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	4	C032CD5101	EPA 8270-M	U	ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	4	C032CD5101	EPA 8270-M	U	BENZ(A)ANTHRACENE	45 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	4	C032CD5101	EPA 8270-M	U	BENZO(A)PYRENE	99 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	4	C032CD5101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	90 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	4	C032CD5101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	140 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	4	C032CD5101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	63 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	4	C032CD5101	EPA 8270-M	U	CHRYSENE	61 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	4	C032CD5101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	10 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	4	C032CD5101	EPA 8270-M	U	FLUORANTHENE	110 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	4	C032CD5101	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-135	SB	REG	4	C032CD5101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	130 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	4	C032CD5101	EPA 8270-M	U	NAPHTHALENE	6.3 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	4	C032CD5101	EPA 8270-M	U	PHENANTHRENE	19 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-135	SB	REG	4	C032CD5101	EPA 8270-M	U	PYRENE	200 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-136	SB	FD	4	C032CD5701	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.73 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	FD	4	C032CD5701	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	FD	4	C032CD5701	EPA 8270-M	U	ACENAPHTHYLENE	4.3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	FD	4	C032CD5701	EPA 8270-M	U	ANTHRACENE	3.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	FD	4	C032CD5701	EPA 8270-M	U	BENZ(A)ANTHRACENE	23 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	FD	4	C032CD5701	EPA 8270-M	U	BENZO(A)PYRENE	52 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	FD	4	C032CD5701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	31 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	FD	4	C032CD5701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	70 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	FD	4	C032CD5701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	36 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	FD	4	C032CD5701	EPA 8270-M	U	CHRYSENE	28 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	FD	4	C032CD5701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	FD	4	C032CD5701	EPA 8270-M	U	FLUORANTHENE	61 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	FD	4	C032CD5701	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	FD	4	C032CD5701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	68 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	FD	4	C032CD5701	EPA 8270-M	U	NAPHTHALENE	3.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	FD	4	C032CD5701	EPA 8270-M	U	PHENANTHRENE	17 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	FD	4	C032CD5701	EPA 8270-M	U	PYRENE	74 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	ACENAPHTHYLENE	7.3 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	ANTHRACENE	23 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	BENZ(A)ANTHRACENE	87 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	BENZO(A)PYRENE	130 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	79 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	91 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	94 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	CHRYSENE	100 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	12 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	FLUORANTHENE	290 UG/KG	E	R	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	FLUORENE	3.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	110 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	NAPHTHALENE	4.3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	PHENANTHRENE	110 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	PYRENE	350 UG/KG	E	R	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.6 UG/KG	J	R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	ACENAPHTHENE	10 UG/KG	U	R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	ACENAPHTHYLENE	8.3 UG/KG	J	R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	ANTHRACENE	26 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	BENZ(A)ANTHRACENE	100 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	BENZO(A)PYRENE	150 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	100 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	99 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	130 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	CHRYSENE	130 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9 UG/KG	J	R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	FLUORANTHENE	320 UG/KG		J	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	FLUORENE	4.1 UG/KG	J	R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	91 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	J	R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	PHENANTHRENE	130 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-136	SB	REG	0	C032CD5301	EPA 8270-M	U	PYRENE	380 UG/KG		J	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	2-METHYLNAPHTHALENE	8.7 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	ACENAPHTHENE	1.5 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	ACENAPHTHYLENE	29 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	ANTHRACENE	33 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	BENZ(A)ANTHRACENE	120 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	BENZO(A)PYRENE	160 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	91 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	120 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	120 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	CHRYSENE	120 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	18 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	FLUORANTHENE	330 UG/KG	E	R	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	FLUORENE	13 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	140 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	NAPHTHALENE	15 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	PHENANTHRENE	220 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	PYRENE	420 UG/KG	E	R	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	2-METHYLNAPHTHALENE	9.6 UG/KG	J	R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG	U	R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	ACENAPHTHYLENE	34 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	ANTHRACENE	36 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	BENZ(A)ANTHRACENE	130 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	BENZO(A)PYRENE	190 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	130 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	130 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	150 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	CHRYSENE	150 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	21 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	FLUORANTHENE	340 UG/KG		J	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	FLUORENE	18 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	120 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	NAPHTHALENE	19 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	PHENANTHRENE	260 UG/KG		R	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	0.5	C032CD5401	EPA 8270-M	U	PYRENE	430 UG/KG		J	DL1 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-136	SB	REG	2	C032CD5501	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.69 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	2	C032CD5501	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	2	C032CD5501	EPA 8270-M	U	ACENAPHTHYLENE	2.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	2	C032CD5501	EPA 8270-M	U	ANTHRACENE	2.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	2	C032CD5501	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	2	C032CD5501	EPA 8270-M	U	BENZO(A)PYRENE	24 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	2	C032CD5501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	14 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	2	C032CD5501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	30 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	2	C032CD5501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	17 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	2	C032CD5501	EPA 8270-M	U	CHRYSENE	14 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	2	C032CD5501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	2	C032CD5501	EPA 8270-M	U	FLUORANTHENE	26 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	2	C032CD5501	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	2	C032CD5501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	30 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	2	C032CD5501	EPA 8270-M	U	NAPHTHALENE	2.3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	2	C032CD5501	EPA 8270-M	U	PHENANTHRENE	9.3 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	2	C032CD5501	EPA 8270-M	U	PYRENE	31 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	4	C032CD5601	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.67 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	4	C032CD5601	EPA 8270-M	U	ACENAPHTHENE	1.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-136	SB	REG	4	C032CD5601	EPA 8270-M	U	ACENAPHTHYLENE	4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	4	C032CD5601	EPA 8270-M	U	ANTHRACENE	4.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	4	C032CD5601	EPA 8270-M	U	BENZ(A)ANTHRACENE	38 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	4	C032CD5601	EPA 8270-M	U	BENZO(A)PYRENE	84 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	4	C032CD5601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	52 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	4	C032CD5601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	96 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	4	C032CD5601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	58 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	4	C032CD5601	EPA 8270-M	U	CHRYSENE	46 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	4	C032CD5601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9.9 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	4	C032CD5601	EPA 8270-M	U	FLUORANTHENE	110 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	4	C032CD5601	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	4	C032CD5601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	100 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	4	C032CD5601	EPA 8270-M	U	NAPHTHALENE	3.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	4	C032CD5601	EPA 8270-M	U	PHENANTHRENE	26 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-136	SB	REG	4	C032CD5601	EPA 8270-M	U	PYRENE	130 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-5-13	SB	FD	0.5	C032C81301	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	FD	0.5	C032C81301	EPA 8270-M	U	ACENAPHTHENE	6.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	FD	0.5	C032C81301	EPA 8270-M	U	ACENAPHTHYLENE	6.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	FD	0.5	C032C81301	EPA 8270-M	U	ANTHRACENE	6.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	FD	0.5	C032C81301	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	FD	0.5	C032C81301	EPA 8270-M	U	BENZO(A)PYRENE	4.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	FD	0.5	C032C81301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	FD	0.5	C032C81301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	FD	0.5	C032C81301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	FD	0.5	C032C81301	EPA 8270-M	U	CHRYSENE	5.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	FD	0.5	C032C81301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	FD	0.5	C032C81301	EPA 8270-M	U	FLUORANTHENE	6.7 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002

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Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-13	SB	FD	0.5	C032C81301	EPA 8270-M	U	FLUORENE	6.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	FD	0.5	C032C81301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	FD	0.5	C032C81301	EPA 8270-M	U	NAPHTHALENE	6.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	FD	0.5	C032C81301	EPA 8270-M	U	PHENANTHRENE	3.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	FD	0.5	C032C81301	EPA 8270-M	U	PYRENE	12 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0	C032C81101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0	C032C81101	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0	C032C81101	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0	C032C81101	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0	C032C81101	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.5 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0	C032C81101	EPA 8270-M	U	BENZO(A)PYRENE	10 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0	C032C81101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.6 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0	C032C81101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.9 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0	C032C81101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.8 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0	C032C81101	EPA 8270-M	U	CHRYSENE	11 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0	C032C81101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0	C032C81101	EPA 8270-M	U	FLUORANTHENE	13 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0	C032C81101	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0	C032C81101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.2 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0	C032C81101	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0	C032C81101	EPA 8270-M	U	PHENANTHRENE	7.7 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0	C032C81101	EPA 8270-M	U	PYRENE	24 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0.5	C032C81201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0.5	C032C81201	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0.5	C032C81201	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0.5	C032C81201	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0.5	C032C81201	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-13	SB	REG	0.5	C032C81201	EPA 8270-M	U	BENZO(A)PYRENE	3.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0.5	C032C81201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0.5	C032C81201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0.5	C032C81201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0.5	C032C81201	EPA 8270-M	U	CHRYSENE	4.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0.5	C032C81201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0.5	C032C81201	EPA 8270-M	U	FLUORANTHENE	6 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0.5	C032C81201	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0.5	C032C81201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0.5	C032C81201	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0.5	C032C81201	EPA 8270-M	U	PHENANTHRENE	3.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	0.5	C032C81201	EPA 8270-M	U	PYRENE	9.7 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	2	C032C81401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	2	C032C81401	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	2	C032C81401	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	2	C032C81401	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	2	C032C81401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	2	C032C81401	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	2	C032C81401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	2	C032C81401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	2	C032C81401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	2	C032C81401	EPA 8270-M	U	CHRYSENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	2	C032C81401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	2	C032C81401	EPA 8270-M	U	FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	2	C032C81401	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	2	C032C81401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	2	C032C81401	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-13	SB	REG	2	C032C81401	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	2	C032C81401	EPA 8270-M	U	PYRENE	3.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	4	C032C81501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	4	C032C81501	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	4	C032C81501	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	4	C032C81501	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	4	C032C81501	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	4	C032C81501	EPA 8270-M	U	BENZO(A)PYRENE	4.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	4	C032C81501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	4	C032C81501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	4	C032C81501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	4	C032C81501	EPA 8270-M	U	CHRYSENE	5.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	4	C032C81501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	4	C032C81501	EPA 8270-M	U	FLUORANTHENE	6.3 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	4	C032C81501	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	4	C032C81501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	4	C032C81501	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	4	C032C81501	EPA 8270-M	U	PHENANTHRENE	3.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-13	SB	REG	4	C032C81501	EPA 8270-M	U	PYRENE	13 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-14	SB	REG	0	C032C81601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0	C032C81601	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0	C032C81601	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0	C032C81601	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0	C032C81601	EPA 8270-M	U	BENZ(A)ANTHRACENE	26 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0	C032C81601	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0	C032C81601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0	C032C81601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-14	SB	REG	0	C032C81601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0	C032C81601	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0	C032C81601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0	C032C81601	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0	C032C81601	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0	C032C81601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	29 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0	C032C81601	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0	C032C81601	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0	C032C81601	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0.5	C032C81701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0.5	C032C81701	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0.5	C032C81701	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0.5	C032C81701	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0.5	C032C81701	EPA 8270-M	U	BENZ(A)ANTHRACENE	25 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0.5	C032C81701	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0.5	C032C81701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0.5	C032C81701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0.5	C032C81701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0.5	C032C81701	EPA 8270-M	U	CHRYSENE	5.5 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0.5	C032C81701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0.5	C032C81701	EPA 8270-M	U	FLUORANTHENE	5.5 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0.5	C032C81701	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0.5	C032C81701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	28 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0.5	C032C81701	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0.5	C032C81701	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	0.5	C032C81701	EPA 8270-M	U	PYRENE	5.5 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	2	C032C81801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-14	SB	REG	2	C032C81801	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	2	C032C81801	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	2	C032C81801	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	2	C032C81801	EPA 8270-M	U	BENZ(A)ANTHRACENE	25 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	2	C032C81801	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	2	C032C81801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	2	C032C81801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	2	C032C81801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	2	C032C81801	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	2	C032C81801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	2	C032C81801	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	2	C032C81801	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	2	C032C81801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	28 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	2	C032C81801	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	2	C032C81801	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	2	C032C81801	EPA 8270-M	U	PYRENE	5.6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-14	SB	REG	4	C032C81901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-14	SB	REG	4	C032C81901	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-14	SB	REG	4	C032C81901	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-14	SB	REG	4	C032C81901	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-14	SB	REG	4	C032C81901	EPA 8270-M	U	BENZ(A)ANTHRACENE	26 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-14	SB	REG	4	C032C81901	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-14	SB	REG	4	C032C81901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-14	SB	REG	4	C032C81901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-14	SB	REG	4	C032C81901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-14	SB	REG	4	C032C81901	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-14	SB	REG	4	C032C81901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-14	SB	REG	4	C032C81901	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-14	SB	REG	4	C032C81901	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-14	SB	REG	4	C032C81901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	30 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-14	SB	REG	4	C032C81901	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-14	SB	REG	4	C032C81901	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-14	SB	REG	4	C032C81901	EPA 8270-M	U	PYRENE	6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	FD	4	C032C82401	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	FD	4	C032C82401	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	FD	4	C032C82401	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	FD	4	C032C82401	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	FD	4	C032C82401	EPA 8270-M	U	BENZ(A)ANTHRACENE	2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	FD	4	C032C82401	EPA 8270-M	U	BENZO(A)PYRENE	3.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	FD	4	C032C82401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	FD	4	C032C82401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	FD	4	C032C82401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	FD	4	C032C82401	EPA 8270-M	U	CHRYSENE	2.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	FD	4	C032C82401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	FD	4	C032C82401	EPA 8270-M	U	FLUORANTHENE	4.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	FD	4	C032C82401	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	FD	4	C032C82401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	FD	4	C032C82401	EPA 8270-M	U	NAPHTHALENE	0.37 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	FD	4	C032C82401	EPA 8270-M	U	PHENANTHRENE	0.72 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	FD	4	C032C82401	EPA 8270-M	U	PYRENE	10 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0	C032C82001	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0	C032C82001	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0	C032C82001	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0	C032C82001	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-15	SB	REG	0	C032C82001	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0	C032C82001	EPA 8270-M	U	BENZO(A)PYRENE	1.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0	C032C82001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0	C032C82001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0	C032C82001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0	C032C82001	EPA 8270-M	U	CHRYSENE	2.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0	C032C82001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0	C032C82001	EPA 8270-M	U	FLUORANTHENE	2.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0	C032C82001	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0	C032C82001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0	C032C82001	EPA 8270-M	U	NAPHTHALENE	0.77 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0	C032C82001	EPA 8270-M	U	PHENANTHRENE	2.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0	C032C82001	EPA 8270-M	U	PYRENE	4.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0.5	C032C82101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0.5	C032C82101	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0.5	C032C82101	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0.5	C032C82101	EPA 8270-M	U	ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0.5	C032C82101	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.74 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0.5	C032C82101	EPA 8270-M	U	BENZO(A)PYRENE	1.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0.5	C032C82101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0.5	C032C82101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0.5	C032C82101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0.5	C032C82101	EPA 8270-M	U	CHRYSENE	1.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0.5	C032C82101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0.5	C032C82101	EPA 8270-M	U	FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0.5	C032C82101	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0.5	C032C82101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-15	SB	REG	0.5	C032C82101	EPA 8270-M	U	NAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0.5	C032C82101	EPA 8270-M	U	PHENANTHRENE	0.47 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	0.5	C032C82101	EPA 8270-M	U	PYRENE	2.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	2	C032C82201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	2	C032C82201	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	2	C032C82201	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	2	C032C82201	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	2	C032C82201	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.32 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	2	C032C82201	EPA 8270-M	U	BENZO(A)PYRENE	0.73 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	2	C032C82201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	2	C032C82201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	2	C032C82201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.75 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	2	C032C82201	EPA 8270-M	U	CHRYSENE	0.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	2	C032C82201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	2	C032C82201	EPA 8270-M	U	FLUORANTHENE	0.52 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	2	C032C82201	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	2	C032C82201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	2	C032C82201	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	2	C032C82201	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	2	C032C82201	EPA 8270-M	U	PYRENE	0.74 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	4	C032C82301	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	4	C032C82301	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	4	C032C82301	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	4	C032C82301	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	4	C032C82301	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	4	C032C82301	EPA 8270-M	U	BENZO(A)PYRENE	2.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	4	C032C82301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-15	SB	REG	4	C032C82301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	4	C032C82301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	4	C032C82301	EPA 8270-M	U	CHRYSENE	2.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	4	C032C82301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	4	C032C82301	EPA 8270-M	U	FLUORANTHENE	3.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	4	C032C82301	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	4	C032C82301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	4	C032C82301	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	4	C032C82301	EPA 8270-M	U	PHENANTHRENE	1.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-15	SB	REG	4	C032C82301	EPA 8270-M	U	PYRENE	8.7 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	2-METHYLNAPHTHALENE	1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	ACENAPHTHENE	10 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	ACENAPHTHYLENE	10 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	ANTHRACENE	1.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	BENZO(A)PYRENE	11 UG/KG			000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	15 UG/KG			000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	CHRYSENE	7.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	10 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	FLUORANTHENE	12 UG/KG			000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	FLUORENE	10 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	9.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	NAPHTHALENE	0.72 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	PHENANTHRENE	8.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	PYRENE	15 UG/KG			000 REG	5/13/2002	5/14/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	2-METHYLNAPHTHALENE	52 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	ACENAPHTHENE	52 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	ACENAPHTHYLENE	52 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	ANTHRACENE	52 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.3 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	BENZO(A)PYRENE	8.2 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.4 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	14 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.9 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	CHRYSENE	7.2 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.8 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	FLUORANTHENE	12 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	FLUORENE	52 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.6 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	NAPHTHALENE	52 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	PHENANTHRENE	10 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0	C032C82501	EPA 8270-M	U	PYRENE	16 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.69 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	ACENAPHTHYLENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	ANTHRACENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	BENZO(A)PYRENE	4.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	CHRYSENE	2.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	FLUORANTHENE	3.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	FLUORENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	NAPHTHALENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	PHENANTHRENE	1.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	PYRENE	5.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	2-METHYLNAPHTHALENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	ACENAPHTHENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	ACENAPHTHYLENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	ANTHRACENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.5 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	BENZO(A)PYRENE	4.4 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.6 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	CHRYSENE	3.8 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	FLUORANTHENE	4.6 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	FLUORENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	NAPHTHALENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	PHENANTHRENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	0.5	C032C82601	EPA 8270-M	U	PYRENE	7.2 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	2-METHYLNAPHTHALENE	1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	ACENAPHTHYLENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	ANTHRACENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	BENZO(A)PYRENE	5.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	CHRYSENE	3.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	FLUORANTHENE	4.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	FLUORENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	NAPHTHALENE	0.75 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	PHENANTHRENE	1.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	PYRENE	6.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	2-METHYLNAPHTHALENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	ACENAPHTHENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	ACENAPHTHYLENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	ANTHRACENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.6 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	BENZO(A)PYRENE	5 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	11 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.5 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	CHRYSENE	4.4 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	FLUORENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	NAPHTHALENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	PHENANTHRENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	2	C032C82701	EPA 8270-M	U	PYRENE	8.1 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-16	SB	REG	4	C032C82801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-16	SB	REG	4	C032C82801	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-16	SB	REG	4	C032C82801	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-16	SB	REG	4	C032C82801	EPA 8270-M	U	ANTHRACENE	0.48 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-16	SB	REG	4	C032C82801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-16	SB	REG	4	C032C82801	EPA 8270-M	U	BENZO(A)PYRENE	10 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-16	SB	REG	4	C032C82801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.3 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-16	SB	REG	4	C032C82801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	11 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-16	SB	REG	4	C032C82801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.3 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-16	SB	REG	4	C032C82801	EPA 8270-M	U	CHRYSENE	5.8 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-16	SB	REG	4	C032C82801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.68 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-16	SB	REG	4	C032C82801	EPA 8270-M	U	FLUORANTHENE	10 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-16	SB	REG	4	C032C82801	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-16	SB	REG	4	C032C82801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	9 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-16	SB	REG	4	C032C82801	EPA 8270-M	U	NAPHTHALENE	0.53 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-16	SB	REG	4	C032C82801	EPA 8270-M	U	PHENANTHRENE	1.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-16	SB	REG	4	C032C82801	EPA 8270-M	U	PYRENE	14 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-17	SB	REG	0	C032C82901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0	C032C82901	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0	C032C82901	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0	C032C82901	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0	C032C82901	EPA 8270-M	U	BENZ(A)ANTHRACENE	3 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0	C032C82901	EPA 8270-M	U	BENZO(A)PYRENE	3 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-17	SB	REG	0	C032C82901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.1 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0	C032C82901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.9 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0	C032C82901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.9 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0	C032C82901	EPA 8270-M	U	CHRYSENE	6.7 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0	C032C82901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0	C032C82901	EPA 8270-M	U	FLUORANTHENE	17 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0	C032C82901	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0	C032C82901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0	C032C82901	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0	C032C82901	EPA 8270-M	U	PHENANTHRENE	11 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0	C032C82901	EPA 8270-M	U	PYRENE	11 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0.5	C032C83001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0.5	C032C83001	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0.5	C032C83001	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0.5	C032C83001	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0.5	C032C83001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0.5	C032C83001	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0.5	C032C83001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0.5	C032C83001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0.5	C032C83001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0.5	C032C83001	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0.5	C032C83001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0.5	C032C83001	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0.5	C032C83001	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0.5	C032C83001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0.5	C032C83001	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	0.5	C032C83001	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-17	SB	REG	0.5	C032C83001	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	2	C032C83101	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-17	SB	REG	2	C032C83101	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-17	SB	REG	2	C032C83101	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-17	SB	REG	2	C032C83101	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-17	SB	REG	2	C032C83101	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-17	SB	REG	2	C032C83101	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-17	SB	REG	2	C032C83101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-17	SB	REG	2	C032C83101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-17	SB	REG	2	C032C83101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-17	SB	REG	2	C032C83101	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-17	SB	REG	2	C032C83101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-17	SB	REG	2	C032C83101	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-17	SB	REG	2	C032C83101	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-17	SB	REG	2	C032C83101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-17	SB	REG	2	C032C83101	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-17	SB	REG	2	C032C83101	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-17	SB	REG	2	C032C83101	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-17	SB	REG	4	C032C83201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	4	C032C83201	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	4	C032C83201	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	4	C032C83201	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	4	C032C83201	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	4	C032C83201	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	4	C032C83201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	4	C032C83201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	4	C032C83201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-17	SB	REG	4	C032C83201	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	4	C032C83201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	4	C032C83201	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	4	C032C83201	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	4	C032C83201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	4	C032C83201	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	4	C032C83201	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-17	SB	REG	4	C032C83201	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-18	SB	FD	0.5	C032C83501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/20/2002	5/20/2002
32EDC-5-18	SB	FD	0.5	C032C83501	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/20/2002	5/20/2002
32EDC-5-18	SB	FD	0.5	C032C83501	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/20/2002	5/20/2002
32EDC-5-18	SB	FD	0.5	C032C83501	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/20/2002	5/20/2002
32EDC-5-18	SB	FD	0.5	C032C83501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/20/2002	5/20/2002
32EDC-5-18	SB	FD	0.5	C032C83501	EPA 8270-M	U	BENZO(A)PYRENE	1.3 UG/KG	J	J	000 REG	5/17/2002	5/20/2002	5/20/2002
32EDC-5-18	SB	FD	0.5	C032C83501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/20/2002	5/20/2002
32EDC-5-18	SB	FD	0.5	C032C83501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/20/2002	5/20/2002
32EDC-5-18	SB	FD	0.5	C032C83501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/20/2002	5/20/2002
32EDC-5-18	SB	FD	0.5	C032C83501	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/20/2002	5/20/2002
32EDC-5-18	SB	FD	0.5	C032C83501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/20/2002	5/20/2002
32EDC-5-18	SB	FD	0.5	C032C83501	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/20/2002	5/20/2002
32EDC-5-18	SB	FD	0.5	C032C83501	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/20/2002	5/20/2002
32EDC-5-18	SB	FD	0.5	C032C83501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/20/2002	5/20/2002
32EDC-5-18	SB	FD	0.5	C032C83501	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/20/2002	5/20/2002
32EDC-5-18	SB	FD	0.5	C032C83501	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/20/2002	5/20/2002
32EDC-5-18	SB	FD	0.5	C032C83501	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/20/2002	5/20/2002
32EDC-5-18	SB	REG	0	C032C83301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0	C032C83301	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-18	SB	REG	0	C032C83301	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0	C032C83301	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0	C032C83301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0	C032C83301	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0	C032C83301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0	C032C83301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.4 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0	C032C83301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0	C032C83301	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0	C032C83301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0	C032C83301	EPA 8270-M	U	FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0	C032C83301	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0	C032C83301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0	C032C83301	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0	C032C83301	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0	C032C83301	EPA 8270-M	U	PYRENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0.5	C032C83401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0.5	C032C83401	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0.5	C032C83401	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0.5	C032C83401	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0.5	C032C83401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0.5	C032C83401	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0.5	C032C83401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0.5	C032C83401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0.5	C032C83401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0.5	C032C83401	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0.5	C032C83401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0.5	C032C83401	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-18	SB	REG	0.5	C032C83401	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0.5	C032C83401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0.5	C032C83401	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0.5	C032C83401	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	0.5	C032C83401	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	2	C032C83601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	2	C032C83601	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	2	C032C83601	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	2	C032C83601	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	2	C032C83601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	2	C032C83601	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	2	C032C83601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	2	C032C83601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	2	C032C83601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	2	C032C83601	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	2	C032C83601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	2	C032C83601	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	2	C032C83601	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	2	C032C83601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	2	C032C83601	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	2	C032C83601	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	2	C032C83601	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	4	C032C83701	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	4	C032C83701	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	4	C032C83701	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	4	C032C83701	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	4	C032C83701	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-18	SB	REG	4	C032C83701	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	4	C032C83701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	4	C032C83701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	4	C032C83701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	4	C032C83701	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	4	C032C83701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	4	C032C83701	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	4	C032C83701	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	4	C032C83701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	4	C032C83701	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	4	C032C83701	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-18	SB	REG	4	C032C83701	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32EDC-5-19	SB	REG	0	C032C83801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0	C032C83801	EPA 8270-M	U	ACENAPHTHENE	6.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0	C032C83801	EPA 8270-M	U	ACENAPHTHYLENE	3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0	C032C83801	EPA 8270-M	U	ANTHRACENE	3.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0	C032C83801	EPA 8270-M	U	BENZ(A)ANTHRACENE	18 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0	C032C83801	EPA 8270-M	U	BENZO(A)PYRENE	32 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0	C032C83801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	42 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0	C032C83801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	46 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0	C032C83801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	13 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0	C032C83801	EPA 8270-M	U	CHRYSENE	28 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0	C032C83801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0	C032C83801	EPA 8270-M	U	FLUORANTHENE	35 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0	C032C83801	EPA 8270-M	U	FLUORENE	6.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0	C032C83801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	44 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0	C032C83801	EPA 8270-M	U	NAPHTHALENE	2.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-19	SB	REG	0	C032C83801	EPA 8270-M	U	PHENANTHRENE	13 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0	C032C83801	EPA 8270-M	U	PYRENE	39 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0.5	C032C83901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0.5	C032C83901	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0.5	C032C83901	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0.5	C032C83901	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0.5	C032C83901	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0.5	C032C83901	EPA 8270-M	U	BENZO(A)PYRENE	6.8 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0.5	C032C83901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0.5	C032C83901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	9.9 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0.5	C032C83901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0.5	C032C83901	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0.5	C032C83901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0.5	C032C83901	EPA 8270-M	U	FLUORANTHENE	8.8 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0.5	C032C83901	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0.5	C032C83901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.8 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0.5	C032C83901	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0.5	C032C83901	EPA 8270-M	U	PHENANTHRENE	3.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	0.5	C032C83901	EPA 8270-M	U	PYRENE	11 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	2	C032C84001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	2	C032C84001	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	2	C032C84001	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	2	C032C84001	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	2	C032C84001	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	2	C032C84001	EPA 8270-M	U	BENZO(A)PYRENE	3.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	2	C032C84001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	2	C032C84001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.3 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-19	SB	REG	2	C032C84001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	2	C032C84001	EPA 8270-M	U	CHRYSENE	2.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	2	C032C84001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	2	C032C84001	EPA 8270-M	U	FLUORANTHENE	6.5 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	2	C032C84001	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	2	C032C84001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	2	C032C84001	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	2	C032C84001	EPA 8270-M	U	PHENANTHRENE	4.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	2	C032C84001	EPA 8270-M	U	PYRENE	7.9 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	4	C032C84101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	4	C032C84101	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	4	C032C84101	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	4	C032C84101	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	4	C032C84101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	4	C032C84101	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	4	C032C84101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	4	C032C84101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	4	C032C84101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	4	C032C84101	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	4	C032C84101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	4	C032C84101	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	4	C032C84101	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	4	C032C84101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	4	C032C84101	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	4	C032C84101	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-19	SB	REG	4	C032C84101	EPA 8270-M	U	PYRENE	3.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0	C032C76301	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-2	SB	REG	0	C032C76301	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0	C032C76301	EPA 8270-M	U	ACENAPHTHYLENE	2.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0	C032C76301	EPA 8270-M	U	ANTHRACENE	3.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0	C032C76301	EPA 8270-M	U	BENZ(A)ANTHRACENE	27 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0	C032C76301	EPA 8270-M	U	BENZO(A)PYRENE	46 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0	C032C76301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	45 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0	C032C76301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	50 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0	C032C76301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	46 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0	C032C76301	EPA 8270-M	U	CHRYSENE	51 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0	C032C76301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	8.5 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0	C032C76301	EPA 8270-M	U	FLUORANTHENE	54 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0	C032C76301	EPA 8270-M	U	FLUORENE	1.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0	C032C76301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	49 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0	C032C76301	EPA 8270-M	U	NAPHTHALENE	2.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0	C032C76301	EPA 8270-M	U	PHENANTHRENE	29 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0	C032C76301	EPA 8270-M	U	PYRENE	58 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0.5	C032C76401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0.5	C032C76401	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0.5	C032C76401	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0.5	C032C76401	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0.5	C032C76401	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0.5	C032C76401	EPA 8270-M	U	BENZO(A)PYRENE	4.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0.5	C032C76401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0.5	C032C76401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0.5	C032C76401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0.5	C032C76401	EPA 8270-M	U	CHRYSENE	3.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0.5	C032C76401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-2	SB	REG	0.5	C032C76401	EPA 8270-M	U	FLUORANTHENE	5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0.5	C032C76401	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0.5	C032C76401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0.5	C032C76401	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0.5	C032C76401	EPA 8270-M	U	PHENANTHRENE	2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	0.5	C032C76401	EPA 8270-M	U	PYRENE	6.7 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	2	C032C76501	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	2	C032C76501	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	2	C032C76501	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	2	C032C76501	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	2	C032C76501	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	2	C032C76501	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	2	C032C76501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	2	C032C76501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	2	C032C76501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	2	C032C76501	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	2	C032C76501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	2	C032C76501	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	2	C032C76501	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	2	C032C76501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	2	C032C76501	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	2	C032C76501	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	2	C032C76501	EPA 8270-M	U	PYRENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	4	C032C76601	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	4	C032C76601	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	4	C032C76601	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	4	C032C76601	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-2	SB	REG	4	C032C76601	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	4	C032C76601	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	4	C032C76601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	4	C032C76601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	4	C032C76601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	4	C032C76601	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	4	C032C76601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	4	C032C76601	EPA 8270-M	U	FLUORANTHENE	2.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	4	C032C76601	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	4	C032C76601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	4	C032C76601	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	4	C032C76601	EPA 8270-M	U	PHENANTHRENE	1.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-2	SB	REG	4	C032C76601	EPA 8270-M	U	PYRENE	4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	FD	4	C032C84601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	FD	4	C032C84601	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	FD	4	C032C84601	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	FD	4	C032C84601	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	FD	4	C032C84601	EPA 8270-M	U	BENZ(A)ANTHRACENE	7.4 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	FD	4	C032C84601	EPA 8270-M	U	BENZO(A)PYRENE	15 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	FD	4	C032C84601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	14 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	FD	4	C032C84601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	19 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	FD	4	C032C84601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	FD	4	C032C84601	EPA 8270-M	U	CHRYSENE	8.6 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	FD	4	C032C84601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	FD	4	C032C84601	EPA 8270-M	U	FLUORANTHENE	18 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	FD	4	C032C84601	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	FD	4	C032C84601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	17 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-20	SB	FD	4	C032C84601	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	FD	4	C032C84601	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	FD	4	C032C84601	EPA 8270-M	U	PYRENE	24 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	0	C032C84201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/13/2002	5/16/2002	5/17/2002
32EDC-5-20	SB	REG	0	C032C84201	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	U	000 REG	5/13/2002	5/16/2002	5/17/2002
32EDC-5-20	SB	REG	0	C032C84201	EPA 8270-M	U	ACENAPHTHYLENE	3.2 UG/KG	J	J	000 REG	5/13/2002	5/16/2002	5/17/2002
32EDC-5-20	SB	REG	0	C032C84201	EPA 8270-M	U	ANTHRACENE	4.9 UG/KG	J	J	000 REG	5/13/2002	5/16/2002	5/17/2002
32EDC-5-20	SB	REG	0	C032C84201	EPA 8270-M	U	BENZ(A)ANTHRACENE	13 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002
32EDC-5-20	SB	REG	0	C032C84201	EPA 8270-M	U	BENZO(A)PYRENE	21 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002
32EDC-5-20	SB	REG	0	C032C84201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	31 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002
32EDC-5-20	SB	REG	0	C032C84201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	29 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002
32EDC-5-20	SB	REG	0	C032C84201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	10 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002
32EDC-5-20	SB	REG	0	C032C84201	EPA 8270-M	U	CHRYSENE	23 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002
32EDC-5-20	SB	REG	0	C032C84201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.8 UG/KG	J	J	000 REG	5/13/2002	5/16/2002	5/17/2002
32EDC-5-20	SB	REG	0	C032C84201	EPA 8270-M	U	FLUORANTHENE	35 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002
32EDC-5-20	SB	REG	0	C032C84201	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	U	000 REG	5/13/2002	5/16/2002	5/17/2002
32EDC-5-20	SB	REG	0	C032C84201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	26 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002
32EDC-5-20	SB	REG	0	C032C84201	EPA 8270-M	U	NAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/13/2002	5/16/2002	5/17/2002
32EDC-5-20	SB	REG	0	C032C84201	EPA 8270-M	U	PHENANTHRENE	10 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002
32EDC-5-20	SB	REG	0	C032C84201	EPA 8270-M	U	PYRENE	37 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002
32EDC-5-20	SB	REG	0.5	C032C84301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	0.5	C032C84301	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	0.5	C032C84301	EPA 8270-M	U	ACENAPHTHYLENE	1.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	0.5	C032C84301	EPA 8270-M	U	ANTHRACENE	2.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	0.5	C032C84301	EPA 8270-M	U	BENZ(A)ANTHRACENE	12 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	0.5	C032C84301	EPA 8270-M	U	BENZO(A)PYRENE	24 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	0.5	C032C84301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	26 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-20	SB	REG	0.5	C032C84301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	34 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	0.5	C032C84301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8.2 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	0.5	C032C84301	EPA 8270-M	U	CHRYSENE	16 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	0.5	C032C84301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	0.5	C032C84301	EPA 8270-M	U	FLUORANTHENE	27 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	0.5	C032C84301	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	0.5	C032C84301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	30 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	0.5	C032C84301	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	0.5	C032C84301	EPA 8270-M	U	PHENANTHRENE	9.6 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	0.5	C032C84301	EPA 8270-M	U	PYRENE	37 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	2	C032C84401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	2	C032C84401	EPA 8270-M	U	ACENAPHTHENE	1.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	2	C032C84401	EPA 8270-M	U	ACENAPHTHYLENE	8.8 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	2	C032C84401	EPA 8270-M	U	ANTHRACENE	11 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	2	C032C84401	EPA 8270-M	U	BENZ(A)ANTHRACENE	41 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	2	C032C84401	EPA 8270-M	U	BENZO(A)PYRENE	73 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	2	C032C84401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	71 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	2	C032C84401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	81 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	2	C032C84401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	22 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	2	C032C84401	EPA 8270-M	U	CHRYSENE	49 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	2	C032C84401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.1 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	2	C032C84401	EPA 8270-M	U	FLUORANTHENE	110 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	2	C032C84401	EPA 8270-M	U	FLUORENE	2.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	2	C032C84401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	78 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	2	C032C84401	EPA 8270-M	U	NAPHTHALENE	3.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	2	C032C84401	EPA 8270-M	U	PHENANTHRENE	54 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	2	C032C84401	EPA 8270-M	U	PYRENE	130 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-20	SB	REG	4	C032C84501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	4	C032C84501	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	4	C032C84501	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	4	C032C84501	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	4	C032C84501	EPA 8270-M	U	BENZ(A)ANTHRACENE	7 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	4	C032C84501	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	4	C032C84501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	13 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	4	C032C84501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	18 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	4	C032C84501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	4	C032C84501	EPA 8270-M	U	CHRYSENE	8.3 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	4	C032C84501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	4	C032C84501	EPA 8270-M	U	FLUORANTHENE	17 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	4	C032C84501	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	4	C032C84501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	16 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	4	C032C84501	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	4	C032C84501	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-20	SB	REG	4	C032C84501	EPA 8270-M	U	PYRENE	22 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0	C032C84701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0	C032C84701	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0	C032C84701	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0	C032C84701	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0	C032C84701	EPA 8270-M	U	BENZ(A)ANTHRACENE	26 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0	C032C84701	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0	C032C84701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0	C032C84701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0	C032C84701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0	C032C84701	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-21	SB	REG	0	C032C84701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0	C032C84701	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0	C032C84701	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0	C032C84701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	30 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0	C032C84701	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0	C032C84701	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0	C032C84701	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0.5	C032C84801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0.5	C032C84801	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0.5	C032C84801	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0.5	C032C84801	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0.5	C032C84801	EPA 8270-M	U	BENZ(A)ANTHRACENE	25 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0.5	C032C84801	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0.5	C032C84801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0.5	C032C84801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0.5	C032C84801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0.5	C032C84801	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0.5	C032C84801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0.5	C032C84801	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0.5	C032C84801	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0.5	C032C84801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	30 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0.5	C032C84801	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0.5	C032C84801	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	0.5	C032C84801	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	2	C032C84901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	2	C032C84901	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	2	C032C84901	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-21	SB	REG	2	C032C84901	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	2	C032C84901	EPA 8270-M	U	BENZ(A)ANTHRACENE	25 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	2	C032C84901	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	2	C032C84901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	2	C032C84901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	2	C032C84901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	2	C032C84901	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	2	C032C84901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	2	C032C84901	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	2	C032C84901	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	2	C032C84901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	28 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	2	C032C84901	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	2	C032C84901	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	2	C032C84901	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	4	C032C85001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	4	C032C85001	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	4	C032C85001	EPA 8270-M	U	ACENAPHTHYLENE	65 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	4	C032C85001	EPA 8270-M	U	ANTHRACENE	52 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	4	C032C85001	EPA 8270-M	U	BENZ(A)ANTHRACENE	86 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	4	C032C85001	EPA 8270-M	U	BENZO(A)PYRENE	94 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	4	C032C85001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	60 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	4	C032C85001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	66 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	4	C032C85001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	41 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	4	C032C85001	EPA 8270-M	U	CHRYSENE	81 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	4	C032C85001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	4	C032C85001	EPA 8270-M	U	FLUORANTHENE	210 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	4	C032C85001	EPA 8270-M	U	FLUORENE	51 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-21	SB	REG	4	C032C85001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	68 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	4	C032C85001	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	4	C032C85001	EPA 8270-M	U	PHENANTHRENE	270 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-21	SB	REG	4	C032C85001	EPA 8270-M	U	PYRENE	270 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-22	SB	REG	0	C032C85101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0	C032C85101	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0	C032C85101	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0	C032C85101	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0	C032C85101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0	C032C85101	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0	C032C85101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0	C032C85101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0	C032C85101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0	C032C85101	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0	C032C85101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0	C032C85101	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0	C032C85101	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0	C032C85101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0	C032C85101	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0	C032C85101	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0	C032C85101	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0.5	C032C85201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0.5	C032C85201	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0.5	C032C85201	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0.5	C032C85201	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0.5	C032C85201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0.5	C032C85201	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-22	SB	REG	0.5	C032C85201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0.5	C032C85201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0.5	C032C85201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0.5	C032C85201	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0.5	C032C85201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0.5	C032C85201	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0.5	C032C85201	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0.5	C032C85201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.65 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0.5	C032C85201	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0.5	C032C85201	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	0.5	C032C85201	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	2	C032C85301	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	2	C032C85301	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	2	C032C85301	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	2	C032C85301	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	2	C032C85301	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	2	C032C85301	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	2	C032C85301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	2	C032C85301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	2	C032C85301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	2	C032C85301	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	2	C032C85301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	2	C032C85301	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	2	C032C85301	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	2	C032C85301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	2	C032C85301	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	2	C032C85301	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-22	SB	REG	2	C032C85301	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	4	C032C85401	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	4	C032C85401	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	4	C032C85401	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	4	C032C85401	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	4	C032C85401	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	4	C032C85401	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	4	C032C85401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	4	C032C85401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	4	C032C85401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	4	C032C85401	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	4	C032C85401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	4	C032C85401	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	4	C032C85401	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	4	C032C85401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	4	C032C85401	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	4	C032C85401	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-22	SB	REG	4	C032C85401	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-23	SB	FD	0.5	C032C85701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	FD	0.5	C032C85701	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	FD	0.5	C032C85701	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	FD	0.5	C032C85701	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	FD	0.5	C032C85701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	FD	0.5	C032C85701	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	FD	0.5	C032C85701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	FD	0.5	C032C85701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	FD	0.5	C032C85701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.4 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-23	SB	FD	0.5	C032C85701	EPA 8270-M	U	CHRYSENE	0.38 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	FD	0.5	C032C85701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	FD	0.5	C032C85701	EPA 8270-M	U	FLUORANTHENE	0.51 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	FD	0.5	C032C85701	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	FD	0.5	C032C85701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	FD	0.5	C032C85701	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	FD	0.5	C032C85701	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	FD	0.5	C032C85701	EPA 8270-M	U	PYRENE	0.66 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0	C032C85501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0	C032C85501	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0	C032C85501	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0	C032C85501	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0	C032C85501	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.97 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0	C032C85501	EPA 8270-M	U	BENZO(A)PYRENE	2.1 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0	C032C85501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0	C032C85501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0	C032C85501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0	C032C85501	EPA 8270-M	U	CHRYSENE	1.6 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0	C032C85501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.65 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0	C032C85501	EPA 8270-M	U	FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0	C032C85501	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0	C032C85501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.6 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0	C032C85501	EPA 8270-M	U	NAPHTHALENE	0.46 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0	C032C85501	EPA 8270-M	U	PHENANTHRENE	0.49 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0	C032C85501	EPA 8270-M	U	PYRENE	1.5 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0.5	C032C85601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0.5	C032C85601	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-23	SB	REG	0.5	C032C85601	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0.5	C032C85601	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0.5	C032C85601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0.5	C032C85601	EPA 8270-M	U	BENZO(A)PYRENE	0.46 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0.5	C032C85601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0.5	C032C85601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0.5	C032C85601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.48 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0.5	C032C85601	EPA 8270-M	U	CHRYSENE	0.52 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0.5	C032C85601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0.5	C032C85601	EPA 8270-M	U	FLUORANTHENE	0.52 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0.5	C032C85601	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0.5	C032C85601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.98 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0.5	C032C85601	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0.5	C032C85601	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	0.5	C032C85601	EPA 8270-M	U	PYRENE	0.68 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	2	C032C85801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	2	C032C85801	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	2	C032C85801	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	2	C032C85801	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	2	C032C85801	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.5 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	2	C032C85801	EPA 8270-M	U	BENZO(A)PYRENE	1.6 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	2	C032C85801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	2	C032C85801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	2	C032C85801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	2	C032C85801	EPA 8270-M	U	CHRYSENE	1.8 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	2	C032C85801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	2	C032C85801	EPA 8270-M	U	FLUORANTHENE	2.8 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-23	SB	REG	2	C032C85801	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	2	C032C85801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.3 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	2	C032C85801	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	2	C032C85801	EPA 8270-M	U	PHENANTHRENE	0.86 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	2	C032C85801	EPA 8270-M	U	PYRENE	3.4 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	4	C032C85901	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.33 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	4	C032C85901	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	4	C032C85901	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	4	C032C85901	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	4	C032C85901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	4	C032C85901	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	4	C032C85901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	4	C032C85901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.41 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	4	C032C85901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	4	C032C85901	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	4	C032C85901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	4	C032C85901	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	4	C032C85901	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	4	C032C85901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	4	C032C85901	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	4	C032C85901	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-23	SB	REG	4	C032C85901	EPA 8270-M	U	PYRENE	0.51 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-24	SB	REG	0	C032C86001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0	C032C86001	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0	C032C86001	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0	C032C86001	EPA 8270-M	U	ANTHRACENE	0.96 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0	C032C86001	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-24	SB	REG	0	C032C86001	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0	C032C86001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0	C032C86001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0	C032C86001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0	C032C86001	EPA 8270-M	U	CHRYSENE	4.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0	C032C86001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0	C032C86001	EPA 8270-M	U	FLUORANTHENE	6.9 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0	C032C86001	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0	C032C86001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0	C032C86001	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0	C032C86001	EPA 8270-M	U	PHENANTHRENE	2.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0	C032C86001	EPA 8270-M	U	PYRENE	5.7 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0.5	C032C86101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0.5	C032C86101	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0.5	C032C86101	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0.5	C032C86101	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0.5	C032C86101	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.56 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0.5	C032C86101	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0.5	C032C86101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.78 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0.5	C032C86101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0.5	C032C86101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.48 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0.5	C032C86101	EPA 8270-M	U	CHRYSENE	1.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0.5	C032C86101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0.5	C032C86101	EPA 8270-M	U	FLUORANTHENE	0.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0.5	C032C86101	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0.5	C032C86101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0.5	C032C86101	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-24	SB	REG	0.5	C032C86101	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	0.5	C032C86101	EPA 8270-M	U	PYRENE	0.65 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	2	C032C86201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	2	C032C86201	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	2	C032C86201	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	2	C032C86201	EPA 8270-M	U	ANTHRACENE	0.46 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	2	C032C86201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	2	C032C86201	EPA 8270-M	U	BENZO(A)PYRENE	7.9 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	2	C032C86201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.3 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	2	C032C86201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	2	C032C86201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	2	C032C86201	EPA 8270-M	U	CHRYSENE	13 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	2	C032C86201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	2	C032C86201	EPA 8270-M	U	FLUORANTHENE	8.2 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	2	C032C86201	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	2	C032C86201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	2	C032C86201	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	2	C032C86201	EPA 8270-M	U	PHENANTHRENE	1.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	2	C032C86201	EPA 8270-M	U	PYRENE	7.4 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	4	C032C86301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	4	C032C86301	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	4	C032C86301	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	4	C032C86301	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	4	C032C86301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	4	C032C86301	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	4	C032C86301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	4	C032C86301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-24	SB	REG	4	C032C86301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	4	C032C86301	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	4	C032C86301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	4	C032C86301	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	4	C032C86301	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	4	C032C86301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	4	C032C86301	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	4	C032C86301	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-24	SB	REG	4	C032C86301	EPA 8270-M	U	PYRENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-25	SB	FD	4	C032C86801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	FD	4	C032C86801	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	FD	4	C032C86801	EPA 8270-M	U	ACENAPHTHYLENE	2.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	FD	4	C032C86801	EPA 8270-M	U	ANTHRACENE	3.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	FD	4	C032C86801	EPA 8270-M	U	BENZ(A)ANTHRACENE	25 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	FD	4	C032C86801	EPA 8270-M	U	BENZO(A)PYRENE	68 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	FD	4	C032C86801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	48 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	FD	4	C032C86801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	81 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	FD	4	C032C86801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	37 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	FD	4	C032C86801	EPA 8270-M	U	CHRYSENE	32 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	FD	4	C032C86801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	FD	4	C032C86801	EPA 8270-M	U	FLUORANTHENE	72 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	FD	4	C032C86801	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	FD	4	C032C86801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	74 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	FD	4	C032C86801	EPA 8270-M	U	NAPHTHALENE	5.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	FD	4	C032C86801	EPA 8270-M	U	PHENANTHRENE	20 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	FD	4	C032C86801	EPA 8270-M	U	PYRENE	110 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	REG	0	C032C86401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-25	SB	REG	0	C032C86401	EPA 8270-M	U	ACENAPHTHENE	1.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	0	C032C86401	EPA 8270-M	U	ACENAPHTHYLENE	3.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	0	C032C86401	EPA 8270-M	U	ANTHRACENE	4.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	0	C032C86401	EPA 8270-M	U	BENZ(A)ANTHRACENE	41 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	0	C032C86401	EPA 8270-M	U	BENZO(A)PYRENE	72 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	0	C032C86401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	65 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	0	C032C86401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	99 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	0	C032C86401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	48 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	0	C032C86401	EPA 8270-M	U	CHRYSENE	54 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	0	C032C86401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9.8 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	0	C032C86401	EPA 8270-M	U	FLUORANTHENE	87 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	0	C032C86401	EPA 8270-M	U	FLUORENE	1.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	0	C032C86401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	91 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	0	C032C86401	EPA 8270-M	U	NAPHTHALENE	4.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	0	C032C86401	EPA 8270-M	U	PHENANTHRENE	31 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	0	C032C86401	EPA 8270-M	U	PYRENE	130 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	0.5	C032C86501	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.8 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	REG	0.5	C032C86501	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	REG	0.5	C032C86501	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	REG	0.5	C032C86501	EPA 8270-M	U	ANTHRACENE	3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	REG	0.5	C032C86501	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	REG	0.5	C032C86501	EPA 8270-M	U	BENZO(A)PYRENE	12 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	REG	0.5	C032C86501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	17 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	REG	0.5	C032C86501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	25 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	REG	0.5	C032C86501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	13 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	REG	0.5	C032C86501	EPA 8270-M	U	CHRYSENE	14 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	REG	0.5	C032C86501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-25	SB	REG	0.5	C032C86501	EPA 8270-M	U	FLUORANTHENE	26 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	REG	0.5	C032C86501	EPA 8270-M	U	FLUORENE	5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	REG	0.5	C032C86501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	25 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	REG	0.5	C032C86501	EPA 8270-M	U	NAPHTHALENE	14 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	REG	0.5	C032C86501	EPA 8270-M	U	PHENANTHRENE	16 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	REG	0.5	C032C86501	EPA 8270-M	U	PYRENE	38 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-25	SB	REG	2	C032C86601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	2	C032C86601	EPA 8270-M	U	ACENAPHTHENE	1.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	2	C032C86601	EPA 8270-M	U	ACENAPHTHYLENE	2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	2	C032C86601	EPA 8270-M	U	ANTHRACENE	2.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	2	C032C86601	EPA 8270-M	U	BENZ(A)ANTHRACENE	22 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	2	C032C86601	EPA 8270-M	U	BENZO(A)PYRENE	42 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	2	C032C86601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	31 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	2	C032C86601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	42 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	2	C032C86601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	21 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	2	C032C86601	EPA 8270-M	U	CHRYSENE	25 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	2	C032C86601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	2	C032C86601	EPA 8270-M	U	FLUORANTHENE	65 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	2	C032C86601	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	2	C032C86601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	41 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	2	C032C86601	EPA 8270-M	U	NAPHTHALENE	2.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	2	C032C86601	EPA 8270-M	U	PHENANTHRENE	16 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	2	C032C86601	EPA 8270-M	U	PYRENE	86 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	4	C032C86701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	4	C032C86701	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	4	C032C86701	EPA 8270-M	U	ACENAPHTHYLENE	2.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	4	C032C86701	EPA 8270-M	U	ANTHRACENE	4.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-25	SB	REG	4	C032C86701	EPA 8270-M	U	BENZ(A)ANTHRACENE	24 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	4	C032C86701	EPA 8270-M	U	BENZO(A)PYRENE	55 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	4	C032C86701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	38 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	4	C032C86701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	60 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	4	C032C86701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	27 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	4	C032C86701	EPA 8270-M	U	CHRYSENE	29 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	4	C032C86701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	4	C032C86701	EPA 8270-M	U	FLUORANTHENE	65 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	4	C032C86701	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	4	C032C86701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	54 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	4	C032C86701	EPA 8270-M	U	NAPHTHALENE	4.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	4	C032C86701	EPA 8270-M	U	PHENANTHRENE	22 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-25	SB	REG	4	C032C86701	EPA 8270-M	U	PYRENE	97 UG/KG			000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-26	SB	REG	0	C032C86901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0	C032C86901	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0	C032C86901	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0	C032C86901	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0	C032C86901	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.65 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0	C032C86901	EPA 8270-M	U	BENZO(A)PYRENE	1.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0	C032C86901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0	C032C86901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0	C032C86901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.59 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0	C032C86901	EPA 8270-M	U	CHRYSENE	1.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0	C032C86901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.27 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0	C032C86901	EPA 8270-M	U	FLUORANTHENE	0.95 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0	C032C86901	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0	C032C86901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-26	SB	REG	0	C032C86901	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0	C032C86901	EPA 8270-M	U	PHENANTHRENE	0.75 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0	C032C86901	EPA 8270-M	U	PYRENE	1.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0.5	C032C87001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0.5	C032C87001	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0.5	C032C87001	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0.5	C032C87001	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0.5	C032C87001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0.5	C032C87001	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0.5	C032C87001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0.5	C032C87001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0.5	C032C87001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0.5	C032C87001	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0.5	C032C87001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0.5	C032C87001	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0.5	C032C87001	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0.5	C032C87001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0.5	C032C87001	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0.5	C032C87001	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	0.5	C032C87001	EPA 8270-M	U	PYRENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	2	C032C87101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	2	C032C87101	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	2	C032C87101	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	2	C032C87101	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	2	C032C87101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	2	C032C87101	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	2	C032C87101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-26	SB	REG	2	C032C87101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	2	C032C87101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	2	C032C87101	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	2	C032C87101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	2	C032C87101	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	2	C032C87101	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	2	C032C87101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	2	C032C87101	EPA 8270-M	U	NAPHTHALENE	0.37 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	2	C032C87101	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	2	C032C87101	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	4	C032C87201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	4	C032C87201	EPA 8270-M	U	ACENAPHTHENE	6.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	4	C032C87201	EPA 8270-M	U	ACENAPHTHYLENE	6.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	4	C032C87201	EPA 8270-M	U	ANTHRACENE	6.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	4	C032C87201	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	4	C032C87201	EPA 8270-M	U	BENZO(A)PYRENE	6.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	4	C032C87201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	4	C032C87201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	4	C032C87201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	4	C032C87201	EPA 8270-M	U	CHRYSENE	6.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	4	C032C87201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	4	C032C87201	EPA 8270-M	U	FLUORANTHENE	6.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	4	C032C87201	EPA 8270-M	U	FLUORENE	6.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	4	C032C87201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	4	C032C87201	EPA 8270-M	U	NAPHTHALENE	6.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	4	C032C87201	EPA 8270-M	U	PHENANTHRENE	6.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-26	SB	REG	4	C032C87201	EPA 8270-M	U	PYRENE	6.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-27	SB	REG	0	C032C87301	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.37 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0	C032C87301	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0	C032C87301	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0	C032C87301	EPA 8270-M	U	ANTHRACENE	0.96 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0	C032C87301	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0	C032C87301	EPA 8270-M	U	BENZO(A)PYRENE	6.6 UG/KG		J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0	C032C87301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0	C032C87301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0	C032C87301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0	C032C87301	EPA 8270-M	U	CHRYSENE	4.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0	C032C87301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0	C032C87301	EPA 8270-M	U	FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0	C032C87301	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0	C032C87301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0	C032C87301	EPA 8270-M	U	NAPHTHALENE	0.34 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0	C032C87301	EPA 8270-M	U	PHENANTHRENE	3.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0	C032C87301	EPA 8270-M	U	PYRENE	2.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0.5	C032C87401	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.37 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0.5	C032C87401	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0.5	C032C87401	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0.5	C032C87401	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0.5	C032C87401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0.5	C032C87401	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0.5	C032C87401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0.5	C032C87401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0.5	C032C87401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0.5	C032C87401	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-27	SB	REG	0.5	C032C87401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0.5	C032C87401	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0.5	C032C87401	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0.5	C032C87401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0.5	C032C87401	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0.5	C032C87401	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	0.5	C032C87401	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	2	C032C87501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	2	C032C87501	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	2	C032C87501	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	2	C032C87501	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	2	C032C87501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	2	C032C87501	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	2	C032C87501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	2	C032C87501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.58 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	2	C032C87501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	2	C032C87501	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	2	C032C87501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	2	C032C87501	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	2	C032C87501	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	2	C032C87501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.55 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	2	C032C87501	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	2	C032C87501	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	2	C032C87501	EPA 8270-M	U	PYRENE	0.41 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-27	SB	REG	4	C032C87601	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-27	SB	REG	4	C032C87601	EPA 8270-M	U	ACENAPHTHENE	6.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-27	SB	REG	4	C032C87601	EPA 8270-M	U	ACENAPHTHYLENE	6.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-27	SB	REG	4	C032C87601	EPA 8270-M	U	ANTHRACENE	6.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-27	SB	REG	4	C032C87601	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-27	SB	REG	4	C032C87601	EPA 8270-M	U	BENZO(A)PYRENE	3.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-27	SB	REG	4	C032C87601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-27	SB	REG	4	C032C87601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-27	SB	REG	4	C032C87601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-27	SB	REG	4	C032C87601	EPA 8270-M	U	CHRYSENE	2.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-27	SB	REG	4	C032C87601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-27	SB	REG	4	C032C87601	EPA 8270-M	U	FLUORANTHENE	3.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-27	SB	REG	4	C032C87601	EPA 8270-M	U	FLUORENE	6.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-27	SB	REG	4	C032C87601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-27	SB	REG	4	C032C87601	EPA 8270-M	U	NAPHTHALENE	0.59 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-27	SB	REG	4	C032C87601	EPA 8270-M	U	PHENANTHRENE	0.44 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-27	SB	REG	4	C032C87601	EPA 8270-M	U	PYRENE	5.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-28	SB	FD	0.5	C032C87901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	FD	0.5	C032C87901	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	FD	0.5	C032C87901	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	FD	0.5	C032C87901	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	FD	0.5	C032C87901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	FD	0.5	C032C87901	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	FD	0.5	C032C87901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	FD	0.5	C032C87901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	FD	0.5	C032C87901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	FD	0.5	C032C87901	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	FD	0.5	C032C87901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	FD	0.5	C032C87901	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	FD	0.5	C032C87901	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-28	SB	FD	0.5	C032C87901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	FD	0.5	C032C87901	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	FD	0.5	C032C87901	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	FD	0.5	C032C87901	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0	C032C87701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0	C032C87701	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0	C032C87701	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0	C032C87701	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0	C032C87701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0	C032C87701	EPA 8270-M	U	BENZO(A)PYRENE	1.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0	C032C87701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0	C032C87701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0	C032C87701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0	C032C87701	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0	C032C87701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0	C032C87701	EPA 8270-M	U	FLUORANTHENE	3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0	C032C87701	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0	C032C87701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0	C032C87701	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0	C032C87701	EPA 8270-M	U	PHENANTHRENE	2.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0	C032C87701	EPA 8270-M	U	PYRENE	3.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0.5	C032C87801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0.5	C032C87801	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0.5	C032C87801	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0.5	C032C87801	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0.5	C032C87801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0.5	C032C87801	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-28	SB	REG	0.5	C032C87801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0.5	C032C87801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0.5	C032C87801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0.5	C032C87801	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0.5	C032C87801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0.5	C032C87801	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0.5	C032C87801	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0.5	C032C87801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0.5	C032C87801	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0.5	C032C87801	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	0.5	C032C87801	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	2	C032C88001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	2	C032C88001	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	2	C032C88001	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	2	C032C88001	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	2	C032C88001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	2	C032C88001	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	2	C032C88001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	2	C032C88001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	2	C032C88001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	2	C032C88001	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	2	C032C88001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	2	C032C88001	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	2	C032C88001	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	2	C032C88001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	2	C032C88001	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	2	C032C88001	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-28	SB	REG	2	C032C88001	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	4	C032C88101	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	4	C032C88101	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	4	C032C88101	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	4	C032C88101	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	4	C032C88101	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	4	C032C88101	EPA 8270-M	U	BENZO(A)PYRENE	3.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	4	C032C88101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	4	C032C88101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	4	C032C88101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	4	C032C88101	EPA 8270-M	U	CHRYSENE	2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	4	C032C88101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	4	C032C88101	EPA 8270-M	U	FLUORANTHENE	2.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	4	C032C88101	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	4	C032C88101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	4	C032C88101	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	4	C032C88101	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-28	SB	REG	4	C032C88101	EPA 8270-M	U	PYRENE	4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-29	SB	REG	0	C032C88201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0	C032C88201	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0	C032C88201	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0	C032C88201	EPA 8270-M	U	ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0	C032C88201	EPA 8270-M	U	BENZ(A)ANTHRACENE	21 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0	C032C88201	EPA 8270-M	U	BENZO(A)PYRENE	31 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0	C032C88201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	27 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0	C032C88201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	31 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0	C032C88201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	20 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-29	SB	REG	0	C032C88201	EPA 8270-M	U	CHRYSENE	30 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0	C032C88201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0	C032C88201	EPA 8270-M	U	FLUORANTHENE	32 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0	C032C88201	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0	C032C88201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	27 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0	C032C88201	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0	C032C88201	EPA 8270-M	U	PHENANTHRENE	15 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0	C032C88201	EPA 8270-M	U	PYRENE	41 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0.5	C032C88301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0.5	C032C88301	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0.5	C032C88301	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0.5	C032C88301	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0.5	C032C88301	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0.5	C032C88301	EPA 8270-M	U	BENZO(A)PYRENE	2.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0.5	C032C88301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0.5	C032C88301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0.5	C032C88301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0.5	C032C88301	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0.5	C032C88301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0.5	C032C88301	EPA 8270-M	U	FLUORANTHENE	2.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0.5	C032C88301	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0.5	C032C88301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0.5	C032C88301	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0.5	C032C88301	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	0.5	C032C88301	EPA 8270-M	U	PYRENE	3.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	2	C032C88401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	2	C032C88401	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-29	SB	REG	2	C032C88401	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	2	C032C88401	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	2	C032C88401	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	2	C032C88401	EPA 8270-M	U	BENZO(A)PYRENE	7.2 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	2	C032C88401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	2	C032C88401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	2	C032C88401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	2	C032C88401	EPA 8270-M	U	CHRYSENE	5.8 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	2	C032C88401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	2	C032C88401	EPA 8270-M	U	FLUORANTHENE	7.7 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	2	C032C88401	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	2	C032C88401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	2	C032C88401	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	2	C032C88401	EPA 8270-M	U	PHENANTHRENE	6.6 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	2	C032C88401	EPA 8270-M	U	PYRENE	11 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	4	C032C88501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	4	C032C88501	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	4	C032C88501	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	4	C032C88501	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	4	C032C88501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	4	C032C88501	EPA 8270-M	U	BENZO(A)PYRENE	8.7 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	4	C032C88501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.8 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	4	C032C88501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	10 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	4	C032C88501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	4	C032C88501	EPA 8270-M	U	CHRYSENE	6.4 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	4	C032C88501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	4	C032C88501	EPA 8270-M	U	FLUORANTHENE	10 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-29	SB	REG	4	C032C88501	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	4	C032C88501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	10 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	4	C032C88501	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	4	C032C88501	EPA 8270-M	U	PHENANTHRENE	3.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-29	SB	REG	4	C032C88501	EPA 8270-M	U	PYRENE	15 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-3	SB	FD	0.5	C032C76901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	FD	0.5	C032C76901	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	FD	0.5	C032C76901	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	FD	0.5	C032C76901	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	FD	0.5	C032C76901	EPA 8270-M	U	BENZ(A)ANTHRACENE	29 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	FD	0.5	C032C76901	EPA 8270-M	U	BENZO(A)PYRENE	23 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	FD	0.5	C032C76901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	FD	0.5	C032C76901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	FD	0.5	C032C76901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	FD	0.5	C032C76901	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	FD	0.5	C032C76901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	FD	0.5	C032C76901	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	FD	0.5	C032C76901	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	FD	0.5	C032C76901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	31 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	FD	0.5	C032C76901	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	FD	0.5	C032C76901	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	FD	0.5	C032C76901	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	ACENAPHTHYLENE	25 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	BENZ(A)ANTHRACENE	57 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	BENZO(A)PYRENE	66 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	57 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	56 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	42 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	CHRYSENE	67 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	FLUORENE	27 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	66 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	PHENANTHRENE	39 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	PYRENE	89 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	R	RA0 REG	5/13/2002	5/20/2002	5/23/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	ACENAPHTHENE	4.1 UG/KG	J	R	RA0 REG	5/13/2002	5/20/2002	5/23/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG		R	RA0 REG	5/13/2002	5/20/2002	5/23/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	ANTHRACENE	9.8 UG/KG		R	RA0 REG	5/13/2002	5/20/2002	5/23/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	BENZ(A)ANTHRACENE	36 UG/KG		R	RA0 REG	5/13/2002	5/20/2002	5/23/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	BENZO(A)PYRENE	61 UG/KG		R	RA0 REG	5/13/2002	5/20/2002	5/23/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	59 UG/KG		R	RA0 REG	5/13/2002	5/20/2002	5/23/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	47 UG/KG		R	RA0 REG	5/13/2002	5/20/2002	5/23/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	52 UG/KG		R	RA0 REG	5/13/2002	5/20/2002	5/23/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	CHRYSENE	59 UG/KG		R	RA0 REG	5/13/2002	5/20/2002	5/23/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	12 UG/KG		R	RA0 REG	5/13/2002	5/20/2002	5/23/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	FLUORANTHENE	64 UG/KG		R	RA0 REG	5/13/2002	5/20/2002	5/23/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	FLUORENE	3.9 UG/KG	J	R	RA0 REG	5/13/2002	5/20/2002	5/23/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	41 UG/KG		R	RA0 REG	5/13/2002	5/20/2002	5/23/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	R	RA0 REG	5/13/2002	5/20/2002	5/23/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	PHENANTHRENE	39 UG/KG		R	RA0 REG	5/13/2002	5/20/2002	5/23/2002
32EDC-5-3	SB	REG	0	C032C76701	EPA 8270-M	U	PYRENE	76 UG/KG		R	RA0 REG	5/13/2002	5/20/2002	5/23/2002
32EDC-5-3	SB	REG	0.5	C032C76801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0.5	C032C76801	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0.5	C032C76801	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0.5	C032C76801	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0.5	C032C76801	EPA 8270-M	U	BENZ(A)ANTHRACENE	27 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0.5	C032C76801	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0.5	C032C76801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0.5	C032C76801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0.5	C032C76801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0.5	C032C76801	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0.5	C032C76801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0.5	C032C76801	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0.5	C032C76801	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0.5	C032C76801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	30 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0.5	C032C76801	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0.5	C032C76801	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	0.5	C032C76801	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	2	C032C77001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	2	C032C77001	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	2	C032C77001	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	2	C032C77001	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	2	C032C77001	EPA 8270-M	U	BENZ(A)ANTHRACENE	27 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	2	C032C77001	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	2	C032C77001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	2	C032C77001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-3	SB	REG	2	C032C77001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	2	C032C77001	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	2	C032C77001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	2	C032C77001	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	2	C032C77001	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	2	C032C77001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	31 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	2	C032C77001	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	2	C032C77001	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	2	C032C77001	EPA 8270-M	U	PYRENE	6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	4	C032C77101	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	4	C032C77101	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	4	C032C77101	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	4	C032C77101	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	4	C032C77101	EPA 8270-M	U	BENZ(A)ANTHRACENE	33 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	4	C032C77101	EPA 8270-M	U	BENZO(A)PYRENE	27 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	4	C032C77101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	4	C032C77101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	4	C032C77101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	4	C032C77101	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	4	C032C77101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	4	C032C77101	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	4	C032C77101	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	4	C032C77101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	34 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	4	C032C77101	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	4	C032C77101	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-3	SB	REG	4	C032C77101	EPA 8270-M	U	PYRENE	6 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-30	SB	FD	4	C032C89001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-30	SB	FD	4	C032C89001	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	FD	4	C032C89001	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	FD	4	C032C89001	EPA 8270-M	U	ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	FD	4	C032C89001	EPA 8270-M	U	BENZ(A)ANTHRACENE	15 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	FD	4	C032C89001	EPA 8270-M	U	BENZO(A)PYRENE	22 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	FD	4	C032C89001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	14 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	FD	4	C032C89001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	18 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	FD	4	C032C89001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	12 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	FD	4	C032C89001	EPA 8270-M	U	CHRYSENE	20 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	FD	4	C032C89001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	FD	4	C032C89001	EPA 8270-M	U	FLUORANTHENE	29 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	FD	4	C032C89001	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	FD	4	C032C89001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	17 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	FD	4	C032C89001	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	FD	4	C032C89001	EPA 8270-M	U	PHENANTHRENE	9 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	FD	4	C032C89001	EPA 8270-M	U	PYRENE	42 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0	C032C88601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0	C032C88601	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0	C032C88601	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0	C032C88601	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0	C032C88601	EPA 8270-M	U	BENZ(A)ANTHRACENE	12 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0	C032C88601	EPA 8270-M	U	BENZO(A)PYRENE	29 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0	C032C88601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	21 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0	C032C88601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	35 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0	C032C88601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	17 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0	C032C88601	EPA 8270-M	U	CHRYSENE	15 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0	C032C88601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-30	SB	REG	0	C032C88601	EPA 8270-M	U	FLUORANTHENE	37 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0	C032C88601	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0	C032C88601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	33 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0	C032C88601	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0	C032C88601	EPA 8270-M	U	PHENANTHRENE	12 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0	C032C88601	EPA 8270-M	U	PYRENE	53 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0.5	C032C88701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0.5	C032C88701	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0.5	C032C88701	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0.5	C032C88701	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0.5	C032C88701	EPA 8270-M	U	BENZ(A)ANTHRACENE	12 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0.5	C032C88701	EPA 8270-M	U	BENZO(A)PYRENE	33 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0.5	C032C88701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	23 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0.5	C032C88701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	37 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0.5	C032C88701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	19 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0.5	C032C88701	EPA 8270-M	U	CHRYSENE	16 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0.5	C032C88701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0.5	C032C88701	EPA 8270-M	U	FLUORANTHENE	35 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0.5	C032C88701	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0.5	C032C88701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	35 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0.5	C032C88701	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0.5	C032C88701	EPA 8270-M	U	PHENANTHRENE	6 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	0.5	C032C88701	EPA 8270-M	U	PYRENE	55 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	2	C032C88801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	2	C032C88801	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	2	C032C88801	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	2	C032C88801	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-30	SB	REG	2	C032C88801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	2	C032C88801	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	2	C032C88801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	2	C032C88801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	2	C032C88801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	2	C032C88801	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	2	C032C88801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	2	C032C88801	EPA 8270-M	U	FLUORANTHENE	2.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	2	C032C88801	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	2	C032C88801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	2	C032C88801	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	2	C032C88801	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	2	C032C88801	EPA 8270-M	U	PYRENE	3.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	4	C032C88901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	4	C032C88901	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	4	C032C88901	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	4	C032C88901	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	4	C032C88901	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	4	C032C88901	EPA 8270-M	U	BENZO(A)PYRENE	8.6 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	4	C032C88901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	4	C032C88901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.8 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	4	C032C88901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	4	C032C88901	EPA 8270-M	U	CHRYSENE	7.7 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	4	C032C88901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	4	C032C88901	EPA 8270-M	U	FLUORANTHENE	8.9 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	4	C032C88901	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	4	C032C88901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.1 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-30	SB	REG	4	C032C88901	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	4	C032C88901	EPA 8270-M	U	PHENANTHRENE	3.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-30	SB	REG	4	C032C88901	EPA 8270-M	U	PYRENE	15 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-31	SB	REG	0	C032C89101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0	C032C89101	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0	C032C89101	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0	C032C89101	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0	C032C89101	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0	C032C89101	EPA 8270-M	U	BENZO(A)PYRENE	7.3 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0	C032C89101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0	C032C89101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.8 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0	C032C89101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0	C032C89101	EPA 8270-M	U	CHRYSENE	6 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0	C032C89101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0	C032C89101	EPA 8270-M	U	FLUORANTHENE	8.8 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0	C032C89101	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0	C032C89101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0	C032C89101	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0	C032C89101	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0	C032C89101	EPA 8270-M	U	PYRENE	11 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0.5	C032C89201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.6 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0.5	C032C89201	EPA 8270-M	U	ACENAPHTHENE	6.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0.5	C032C89201	EPA 8270-M	U	ACENAPHTHYLENE	6.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0.5	C032C89201	EPA 8270-M	U	ANTHRACENE	6.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0.5	C032C89201	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0.5	C032C89201	EPA 8270-M	U	BENZO(A)PYRENE	3.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0.5	C032C89201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-31	SB	REG	0.5	C032C89201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0.5	C032C89201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0.5	C032C89201	EPA 8270-M	U	CHRYSENE	2.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0.5	C032C89201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0.5	C032C89201	EPA 8270-M	U	FLUORANTHENE	4.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0.5	C032C89201	EPA 8270-M	U	FLUORENE	6.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0.5	C032C89201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0.5	C032C89201	EPA 8270-M	U	NAPHTHALENE	6.6 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0.5	C032C89201	EPA 8270-M	U	PHENANTHRENE	6.6 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	0.5	C032C89201	EPA 8270-M	U	PYRENE	5.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	2	C032C89301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	2	C032C89301	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	2	C032C89301	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	2	C032C89301	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	2	C032C89301	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	2	C032C89301	EPA 8270-M	U	BENZO(A)PYRENE	3.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	2	C032C89301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	2	C032C89301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.1 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	2	C032C89301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	2	C032C89301	EPA 8270-M	U	CHRYSENE	2.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	2	C032C89301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	2	C032C89301	EPA 8270-M	U	FLUORANTHENE	4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	2	C032C89301	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	2	C032C89301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	2	C032C89301	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	2	C032C89301	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	2	C032C89301	EPA 8270-M	U	PYRENE	5.6 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/15/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-31	SB	REG	4	C032C89401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	4	C032C89401	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	4	C032C89401	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	4	C032C89401	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	4	C032C89401	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	4	C032C89401	EPA 8270-M	U	BENZO(A)PYRENE	9.7 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	4	C032C89401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.9 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	4	C032C89401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	12 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	4	C032C89401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	4	C032C89401	EPA 8270-M	U	CHRYSENE	6.2 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	4	C032C89401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	4	C032C89401	EPA 8270-M	U	FLUORANTHENE	13 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	4	C032C89401	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	4	C032C89401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.6 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	4	C032C89401	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	4	C032C89401	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-31	SB	REG	4	C032C89401	EPA 8270-M	U	PYRENE	16 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/15/2002
32EDC-5-32	SB	REG	0	C032C89501	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0	C032C89501	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0	C032C89501	EPA 8270-M	U	ACENAPHTHYLENE	1.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0	C032C89501	EPA 8270-M	U	ANTHRACENE	3.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0	C032C89501	EPA 8270-M	U	BENZ(A)ANTHRACENE	29 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0	C032C89501	EPA 8270-M	U	BENZO(A)PYRENE	46 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0	C032C89501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	44 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0	C032C89501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	57 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0	C032C89501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	37 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0	C032C89501	EPA 8270-M	U	CHRYSENE	53 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-32	SB	REG	0	C032C89501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.6 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0	C032C89501	EPA 8270-M	U	FLUORANTHENE	51 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0	C032C89501	EPA 8270-M	U	FLUORENE	1.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0	C032C89501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	42 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0	C032C89501	EPA 8270-M	U	NAPHTHALENE	3.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0	C032C89501	EPA 8270-M	U	PHENANTHRENE	25 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0	C032C89501	EPA 8270-M	U	PYRENE	62 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0.5	C032C89601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0.5	C032C89601	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0.5	C032C89601	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0.5	C032C89601	EPA 8270-M	U	ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0.5	C032C89601	EPA 8270-M	U	BENZ(A)ANTHRACENE	16 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0.5	C032C89601	EPA 8270-M	U	BENZO(A)PYRENE	27 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0.5	C032C89601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	19 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0.5	C032C89601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	28 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0.5	C032C89601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	19 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0.5	C032C89601	EPA 8270-M	U	CHRYSENE	23 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0.5	C032C89601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0.5	C032C89601	EPA 8270-M	U	FLUORANTHENE	31 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0.5	C032C89601	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0.5	C032C89601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	27 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0.5	C032C89601	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0.5	C032C89601	EPA 8270-M	U	PHENANTHRENE	10 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	0.5	C032C89601	EPA 8270-M	U	PYRENE	41 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	2	C032C89701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	2	C032C89701	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	2	C032C89701	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-32	SB	REG	2	C032C89701	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	2	C032C89701	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	2	C032C89701	EPA 8270-M	U	BENZO(A)PYRENE	3.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	2	C032C89701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	2	C032C89701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	2	C032C89701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	2	C032C89701	EPA 8270-M	U	CHRYSENE	2.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	2	C032C89701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	2	C032C89701	EPA 8270-M	U	FLUORANTHENE	4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	2	C032C89701	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	2	C032C89701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	2	C032C89701	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	2	C032C89701	EPA 8270-M	U	PHENANTHRENE	1.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	2	C032C89701	EPA 8270-M	U	PYRENE	5.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	4	C032C89801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	4	C032C89801	EPA 8270-M	U	ACENAPHTHENE	2.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	4	C032C89801	EPA 8270-M	U	ACENAPHTHYLENE	7.8 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	4	C032C89801	EPA 8270-M	U	ANTHRACENE	10 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	4	C032C89801	EPA 8270-M	U	BENZ(A)ANTHRACENE	73 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	4	C032C89801	EPA 8270-M	U	BENZO(A)PYRENE	150 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	4	C032C89801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	98 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	4	C032C89801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	130 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	4	C032C89801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	71 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	4	C032C89801	EPA 8270-M	U	CHRYSENE	89 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	4	C032C89801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	10 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	4	C032C89801	EPA 8270-M	U	FLUORANTHENE	180 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	4	C032C89801	EPA 8270-M	U	FLUORENE	1.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-32	SB	REG	4	C032C89801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	140 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	4	C032C89801	EPA 8270-M	U	NAPHTHALENE	10 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	4	C032C89801	EPA 8270-M	U	PHENANTHRENE	33 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-32	SB	REG	4	C032C89801	EPA 8270-M	U	PYRENE	320 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	FD	0.5	C032C90101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	FD	0.5	C032C90101	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	FD	0.5	C032C90101	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	FD	0.5	C032C90101	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	FD	0.5	C032C90101	EPA 8270-M	U	BENZ(A)ANTHRACENE	310 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	FD	0.5	C032C90101	EPA 8270-M	U	BENZO(A)PYRENE	500 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	FD	0.5	C032C90101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	330 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	FD	0.5	C032C90101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	450 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	FD	0.5	C032C90101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	300 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	FD	0.5	C032C90101	EPA 8270-M	U	CHRYSENE	310 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	FD	0.5	C032C90101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	FD	0.5	C032C90101	EPA 8270-M	U	FLUORANTHENE	940 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	FD	0.5	C032C90101	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	FD	0.5	C032C90101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	360 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	FD	0.5	C032C90101	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	FD	0.5	C032C90101	EPA 8270-M	U	PHENANTHRENE	410 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	FD	0.5	C032C90101	EPA 8270-M	U	PYRENE	120 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0	C032C89901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0	C032C89901	EPA 8270-M	U	ACENAPHTHENE	2.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0	C032C89901	EPA 8270-M	U	ACENAPHTHYLENE	9 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0	C032C89901	EPA 8270-M	U	ANTHRACENE	8.2 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0	C032C89901	EPA 8270-M	U	BENZ(A)ANTHRACENE	74 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0	C032C89901	EPA 8270-M	U	BENZO(A)PYRENE	140 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-33	SB	REG	0	C032C89901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	100 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0	C032C89901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	160 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0	C032C89901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	79 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0	C032C89901	EPA 8270-M	U	CHRYSENE	90 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0	C032C89901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	17 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0	C032C89901	EPA 8270-M	U	FLUORANTHENE	180 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0	C032C89901	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0	C032C89901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	120 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0	C032C89901	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0	C032C89901	EPA 8270-M	U	PHENANTHRENE	26 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0	C032C89901	EPA 8270-M	U	PYRENE	230 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0.5	C032C90001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0.5	C032C90001	EPA 8270-M	U	ACENAPHTHENE	9.3 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0.5	C032C90001	EPA 8270-M	U	ACENAPHTHYLENE	18 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0.5	C032C90001	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0.5	C032C90001	EPA 8270-M	U	BENZ(A)ANTHRACENE	150 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0.5	C032C90001	EPA 8270-M	U	BENZO(A)PYRENE	280 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0.5	C032C90001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	190 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0.5	C032C90001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	290 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0.5	C032C90001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	160 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0.5	C032C90001	EPA 8270-M	U	CHRYSENE	170 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0.5	C032C90001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0.5	C032C90001	EPA 8270-M	U	FLUORANTHENE	410 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0.5	C032C90001	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0.5	C032C90001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	220 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0.5	C032C90001	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	0.5	C032C90001	EPA 8270-M	U	PHENANTHRENE	160 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-33	SB	REG	0.5	C032C90001	EPA 8270-M	U	PYRENE	520 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	2	C032C90201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	2	C032C90201	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	2	C032C90201	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	2	C032C90201	EPA 8270-M	U	ANTHRACENE	60 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	2	C032C90201	EPA 8270-M	U	BENZ(A)ANTHRACENE	350 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	2	C032C90201	EPA 8270-M	U	BENZO(A)PYRENE	420 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	2	C032C90201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	260 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	2	C032C90201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	350 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	2	C032C90201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	280 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	2	C032C90201	EPA 8270-M	U	CHRYSENE	400 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	2	C032C90201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	56 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	2	C032C90201	EPA 8270-M	U	FLUORANTHENE	670 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	2	C032C90201	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	2	C032C90201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	290 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	2	C032C90201	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	2	C032C90201	EPA 8270-M	U	PHENANTHRENE	330 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	2	C032C90201	EPA 8270-M	U	PYRENE	960 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	4	C032C90301	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.6 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	4	C032C90301	EPA 8270-M	U	ACENAPHTHENE	15 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	4	C032C90301	EPA 8270-M	U	ACENAPHTHYLENE	37 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	4	C032C90301	EPA 8270-M	U	ANTHRACENE	66 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	4	C032C90301	EPA 8270-M	U	BENZ(A)ANTHRACENE	760 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	4	C032C90301	EPA 8270-M	U	BENZO(A)PYRENE	1200 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	4	C032C90301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	650 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	4	C032C90301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1000 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	4	C032C90301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	410 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002

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Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-33	SB	REG	4	C032C90301	EPA 8270-M	U	CHRYSENE	870 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	4	C032C90301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	4	C032C90301	EPA 8270-M	U	FLUORANTHENE	1900 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	4	C032C90301	EPA 8270-M	U	FLUORENE	6.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	4	C032C90301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	800 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	4	C032C90301	EPA 8270-M	U	NAPHTHALENE	36 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	4	C032C90301	EPA 8270-M	U	PHENANTHRENE	130 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-33	SB	REG	4	C032C90301	EPA 8270-M	U	PYRENE	200 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-34	SB	REG	0	C032C90401	EPA 8270-M	U	2-METHYLNAPHTHALENE	7 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0	C032C90401	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0	C032C90401	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0	C032C90401	EPA 8270-M	U	ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0	C032C90401	EPA 8270-M	U	BENZ(A)ANTHRACENE	21 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0	C032C90401	EPA 8270-M	U	BENZO(A)PYRENE	27 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0	C032C90401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	32 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0	C032C90401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	31 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0	C032C90401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	17 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0	C032C90401	EPA 8270-M	U	CHRYSENE	52 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0	C032C90401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9.1 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0	C032C90401	EPA 8270-M	U	FLUORANTHENE	30 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0	C032C90401	EPA 8270-M	U	FLUORENE	2.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0	C032C90401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	17 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0	C032C90401	EPA 8270-M	U	NAPHTHALENE	3.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0	C032C90401	EPA 8270-M	U	PHENANTHRENE	19 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0	C032C90401	EPA 8270-M	U	PYRENE	33 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	2-METHYLNAPHTHALENE	8.1 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	ACENAPHTHENE	2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	ACENAPHTHYLENE	120 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	ANTHRACENE	88 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	BENZ(A)ANTHRACENE	1700 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	BENZO(A)PYRENE	3100 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2200 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2400 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1800 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	CHRYSENE	2100 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	220 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	FLUORANTHENE	4500 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	FLUORENE	6.3 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2400 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	NAPHTHALENE	56 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	PHENANTHRENE	650 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	PYRENE	5500 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	2-METHYLNAPHTHALENE	120 UG/KG	U	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	ACENAPHTHENE	120 UG/KG	U	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	ACENAPHTHYLENE	110 UG/KG	JD	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	ANTHRACENE	95 UG/KG	JD	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	BENZ(A)ANTHRACENE	1700 UG/KG	D	J	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	BENZO(A)PYRENE	3000 UG/KG	D	J	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2200 UG/KG	D	J	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2400 UG/KG	D		DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1700 UG/KG	D	J	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	CHRYSENE	2200 UG/KG	D	J	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	200 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	FLUORANTHENE	4900 UG/KG	D	J	DL1 REG	5/15/2002	5/16/2002	5/18/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	FLUORENE	120 UG/KG	U	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2300 UG/KG	D		DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	NAPHTHALENE	54 UG/KG	JD	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	PHENANTHRENE	630 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-34	SB	REG	0.5	C032C90501	EPA 8270-M	U	PYRENE	7000 UG/KG	D	J	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-34	SB	REG	2	C032C90601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	2	C032C90601	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	2	C032C90601	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	2	C032C90601	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	2	C032C90601	EPA 8270-M	U	BENZ(A)ANTHRACENE	12 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	2	C032C90601	EPA 8270-M	U	BENZO(A)PYRENE	21 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	2	C032C90601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	18 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	2	C032C90601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	27 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	2	C032C90601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	11 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	2	C032C90601	EPA 8270-M	U	CHRYSENE	24 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	2	C032C90601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	2	C032C90601	EPA 8270-M	U	FLUORANTHENE	21 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	2	C032C90601	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	2	C032C90601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	19 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	2	C032C90601	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	2	C032C90601	EPA 8270-M	U	PHENANTHRENE	11 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	2	C032C90601	EPA 8270-M	U	PYRENE	33 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	4	C032C90701	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	4	C032C90701	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	4	C032C90701	EPA 8270-M	U	ACENAPHTHYLENE	1.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	4	C032C90701	EPA 8270-M	U	ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	4	C032C90701	EPA 8270-M	U	BENZ(A)ANTHRACENE	20 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-34	SB	REG	4	C032C90701	EPA 8270-M	U	BENZO(A)PYRENE	44 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	4	C032C90701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	32 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	4	C032C90701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	47 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	4	C032C90701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	22 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	4	C032C90701	EPA 8270-M	U	CHRYSENE	25 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	4	C032C90701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	4	C032C90701	EPA 8270-M	U	FLUORANTHENE	61 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	4	C032C90701	EPA 8270-M	U	FLUORENE	6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	4	C032C90701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	41 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	4	C032C90701	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	4	C032C90701	EPA 8270-M	U	PHENANTHRENE	19 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-34	SB	REG	4	C032C90701	EPA 8270-M	U	PYRENE	89 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-35	SB	FD	4	C032C91201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	FD	4	C032C91201	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	FD	4	C032C91201	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	FD	4	C032C91201	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	FD	4	C032C91201	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	FD	4	C032C91201	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	FD	4	C032C91201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	FD	4	C032C91201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	FD	4	C032C91201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	FD	4	C032C91201	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	FD	4	C032C91201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	FD	4	C032C91201	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	FD	4	C032C91201	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	FD	4	C032C91201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	FD	4	C032C91201	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-35	SB	FD	4	C032C91201	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	FD	4	C032C91201	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0	C032C90801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0	C032C90801	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0	C032C90801	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0	C032C90801	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0	C032C90801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0	C032C90801	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0	C032C90801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0	C032C90801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0	C032C90801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0	C032C90801	EPA 8270-M	U	CHRYSENE	3.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0	C032C90801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0	C032C90801	EPA 8270-M	U	FLUORANTHENE	2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0	C032C90801	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0	C032C90801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0	C032C90801	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0	C032C90801	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0	C032C90801	EPA 8270-M	U	PYRENE	3.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0.5	C032C90901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0.5	C032C90901	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0.5	C032C90901	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0.5	C032C90901	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0.5	C032C90901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0.5	C032C90901	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0.5	C032C90901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0.5	C032C90901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-35	SB	REG	0.5	C032C90901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0.5	C032C90901	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0.5	C032C90901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0.5	C032C90901	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0.5	C032C90901	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0.5	C032C90901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0.5	C032C90901	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0.5	C032C90901	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	0.5	C032C90901	EPA 8270-M	U	PYRENE	2.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	2	C032C91001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	2	C032C91001	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	2	C032C91001	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	2	C032C91001	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	2	C032C91001	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	2	C032C91001	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	2	C032C91001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	2	C032C91001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	2	C032C91001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	2	C032C91001	EPA 8270-M	U	CHRYSENE	5.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	2	C032C91001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	2	C032C91001	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	2	C032C91001	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	2	C032C91001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	2	C032C91001	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	2	C032C91001	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	2	C032C91001	EPA 8270-M	U	PYRENE	2.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	4	C032C91101	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-35	SB	REG	4	C032C91101	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	4	C032C91101	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	4	C032C91101	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	4	C032C91101	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	4	C032C91101	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	4	C032C91101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	4	C032C91101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	4	C032C91101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	4	C032C91101	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	4	C032C91101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	4	C032C91101	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	4	C032C91101	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	4	C032C91101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	4	C032C91101	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	4	C032C91101	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-35	SB	REG	4	C032C91101	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0	C032C91301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0	C032C91301	EPA 8270-M	U	ACENAPHTHENE	1.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0	C032C91301	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0	C032C91301	EPA 8270-M	U	ANTHRACENE	4.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0	C032C91301	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.8 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0	C032C91301	EPA 8270-M	U	BENZO(A)PYRENE	6.9 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0	C032C91301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.6 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0	C032C91301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0	C032C91301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0	C032C91301	EPA 8270-M	U	CHRYSENE	9.7 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0	C032C91301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-36	SB	REG	0	C032C91301	EPA 8270-M	U	FLUORANTHENE	22 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0	C032C91301	EPA 8270-M	U	FLUORENE	2.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0	C032C91301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0	C032C91301	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0	C032C91301	EPA 8270-M	U	PHENANTHRENE	22 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0	C032C91301	EPA 8270-M	U	PYRENE	19 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0.5	C032C91401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0.5	C032C91401	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0.5	C032C91401	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0.5	C032C91401	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0.5	C032C91401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0.5	C032C91401	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0.5	C032C91401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0.5	C032C91401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0.5	C032C91401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0.5	C032C91401	EPA 8270-M	U	CHRYSENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0.5	C032C91401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0.5	C032C91401	EPA 8270-M	U	FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0.5	C032C91401	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0.5	C032C91401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0.5	C032C91401	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0.5	C032C91401	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	0.5	C032C91401	EPA 8270-M	U	PYRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	2	C032C91501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	2	C032C91501	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	2	C032C91501	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	2	C032C91501	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-36	SB	REG	2	C032C91501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	2	C032C91501	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	2	C032C91501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	2	C032C91501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	2	C032C91501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	2	C032C91501	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	2	C032C91501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	2	C032C91501	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	2	C032C91501	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	2	C032C91501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.72 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	2	C032C91501	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	2	C032C91501	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	2	C032C91501	EPA 8270-M	U	PYRENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	4	C032C91601	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	4	C032C91601	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	4	C032C91601	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	4	C032C91601	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	4	C032C91601	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	4	C032C91601	EPA 8270-M	U	BENZO(A)PYRENE	3.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	4	C032C91601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	4	C032C91601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	4	C032C91601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	4	C032C91601	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	4	C032C91601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	4	C032C91601	EPA 8270-M	U	FLUORANTHENE	2.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	4	C032C91601	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	4	C032C91601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-36	SB	REG	4	C032C91601	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	4	C032C91601	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-36	SB	REG	4	C032C91601	EPA 8270-M	U	PYRENE	4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-37	SB	REG	0	C032C91701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0	C032C91701	EPA 8270-M	U	ACENAPHTHENE	2.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0	C032C91701	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0	C032C91701	EPA 8270-M	U	ANTHRACENE	2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0	C032C91701	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0	C032C91701	EPA 8270-M	U	BENZO(A)PYRENE	3.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0	C032C91701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0	C032C91701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0	C032C91701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0	C032C91701	EPA 8270-M	U	CHRYSENE	5.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0	C032C91701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0	C032C91701	EPA 8270-M	U	FLUORANTHENE	16 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0	C032C91701	EPA 8270-M	U	FLUORENE	2.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0	C032C91701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0	C032C91701	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0	C032C91701	EPA 8270-M	U	PHENANTHRENE	24 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0	C032C91701	EPA 8270-M	U	PYRENE	17 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0.5	C032C91801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0.5	C032C91801	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0.5	C032C91801	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0.5	C032C91801	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0.5	C032C91801	EPA 8270-M	U	BENZ(A)ANTHRACENE	2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0.5	C032C91801	EPA 8270-M	U	BENZO(A)PYRENE	3.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0.5	C032C91801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-37	SB	REG	0.5	C032C91801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0.5	C032C91801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0.5	C032C91801	EPA 8270-M	U	CHRYSENE	2.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0.5	C032C91801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0.5	C032C91801	EPA 8270-M	U	FLUORANTHENE	3.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0.5	C032C91801	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0.5	C032C91801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0.5	C032C91801	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0.5	C032C91801	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	0.5	C032C91801	EPA 8270-M	U	PYRENE	6.8 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	2	C032C91901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	2	C032C91901	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	2	C032C91901	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	2	C032C91901	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	2	C032C91901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	2	C032C91901	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	2	C032C91901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	2	C032C91901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	2	C032C91901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	2	C032C91901	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	2	C032C91901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	2	C032C91901	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	2	C032C91901	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	2	C032C91901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	J	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	2	C032C91901	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	2	C032C91901	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	2	C032C91901	EPA 8270-M	U	PYRENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-37	SB	REG	4	C032C92001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	4	C032C92001	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	4	C032C92001	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	4	C032C92001	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	4	C032C92001	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	4	C032C92001	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	4	C032C92001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	4	C032C92001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	4	C032C92001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	4	C032C92001	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	4	C032C92001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	4	C032C92001	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	4	C032C92001	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	4	C032C92001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	J	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	4	C032C92001	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	4	C032C92001	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-37	SB	REG	4	C032C92001	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-38	SB	FD	0.5	C032C92301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	FD	0.5	C032C92301	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	FD	0.5	C032C92301	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	FD	0.5	C032C92301	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	FD	0.5	C032C92301	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.92 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	FD	0.5	C032C92301	EPA 8270-M	U	BENZO(A)PYRENE	1.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	FD	0.5	C032C92301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	FD	0.5	C032C92301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	FD	0.5	C032C92301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	FD	0.5	C032C92301	EPA 8270-M	U	CHRYSENE	1.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-38	SB	FD	0.5	C032C92301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	FD	0.5	C032C92301	EPA 8270-M	U	FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	FD	0.5	C032C92301	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	FD	0.5	C032C92301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	FD	0.5	C032C92301	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	FD	0.5	C032C92301	EPA 8270-M	U	PHENANTHRENE	0.86 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	FD	0.5	C032C92301	EPA 8270-M	U	PYRENE	2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0	C032C92101	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.61 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0	C032C92101	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0	C032C92101	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0	C032C92101	EPA 8270-M	U	ANTHRACENE	1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0	C032C92101	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0	C032C92101	EPA 8270-M	U	BENZO(A)PYRENE	5.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0	C032C92101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0	C032C92101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.6 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0	C032C92101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.3 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0	C032C92101	EPA 8270-M	U	CHRYSENE	5.7 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0	C032C92101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0	C032C92101	EPA 8270-M	U	FLUORANTHENE	4.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0	C032C92101	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0	C032C92101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.8 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0	C032C92101	EPA 8270-M	U	NAPHTHALENE	0.36 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0	C032C92101	EPA 8270-M	U	PHENANTHRENE	1.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0	C032C92101	EPA 8270-M	U	PYRENE	5.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0.5	C032C92201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0.5	C032C92201	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0.5	C032C92201	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-38	SB	REG	0.5	C032C92201	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0.5	C032C92201	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0.5	C032C92201	EPA 8270-M	U	BENZO(A)PYRENE	1.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0.5	C032C92201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0.5	C032C92201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0.5	C032C92201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0.5	C032C92201	EPA 8270-M	U	CHRYSENE	1.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0.5	C032C92201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0.5	C032C92201	EPA 8270-M	U	FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0.5	C032C92201	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0.5	C032C92201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0.5	C032C92201	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0.5	C032C92201	EPA 8270-M	U	PHENANTHRENE	0.57 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	0.5	C032C92201	EPA 8270-M	U	PYRENE	2.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	2	C032C92401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	2	C032C92401	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	2	C032C92401	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	2	C032C92401	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	2	C032C92401	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	2	C032C92401	EPA 8270-M	U	BENZO(A)PYRENE	0.75 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	2	C032C92401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.66 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	2	C032C92401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.65 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	2	C032C92401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.88 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	2	C032C92401	EPA 8270-M	U	CHRYSENE	1.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	2	C032C92401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	2	C032C92401	EPA 8270-M	U	FLUORANTHENE	0.96 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	2	C032C92401	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-38	SB	REG	2	C032C92401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	2	C032C92401	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	2	C032C92401	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	2	C032C92401	EPA 8270-M	U	PYRENE	1.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	4	C032C92501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	4	C032C92501	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	4	C032C92501	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	4	C032C92501	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	4	C032C92501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	4	C032C92501	EPA 8270-M	U	BENZO(A)PYRENE	0.53 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	4	C032C92501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	4	C032C92501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.86 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	4	C032C92501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	4	C032C92501	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	4	C032C92501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	4	C032C92501	EPA 8270-M	U	FLUORANTHENE	0.36 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	4	C032C92501	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	4	C032C92501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.58 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	4	C032C92501	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	4	C032C92501	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-38	SB	REG	4	C032C92501	EPA 8270-M	U	PYRENE	0.48 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-39	SB	REG	0	C032C92601	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.46 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-39	SB	REG	0	C032C92601	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-39	SB	REG	0	C032C92601	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-39	SB	REG	0	C032C92601	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-39	SB	REG	0	C032C92601	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-39	SB	REG	0	C032C92601	EPA 8270-M	U	BENZO(A)PYRENE	3.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-39	SB	REG	0	C032C92601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-39	SB	REG	0	C032C92601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-39	SB	REG	0	C032C92601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-39	SB	REG	0	C032C92601	EPA 8270-M	U	CHRYSENE	3.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-39	SB	REG	0	C032C92601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-39	SB	REG	0	C032C92601	EPA 8270-M	U	FLUORANTHENE	3.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-39	SB	REG	0	C032C92601	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-39	SB	REG	0	C032C92601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-39	SB	REG	0	C032C92601	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-39	SB	REG	0	C032C92601	EPA 8270-M	U	PHENANTHRENE	2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-39	SB	REG	0	C032C92601	EPA 8270-M	U	PYRENE	5.9 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-39	SB	REG	0.5	C032C92701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	0.5	C032C92701	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	0.5	C032C92701	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	0.5	C032C92701	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	0.5	C032C92701	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	0.5	C032C92701	EPA 8270-M	U	BENZO(A)PYRENE	7.9 UG/KG			000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	0.5	C032C92701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG			000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	0.5	C032C92701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	10 UG/KG			000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	0.5	C032C92701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG			000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	0.5	C032C92701	EPA 8270-M	U	CHRYSENE	4.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	0.5	C032C92701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	0.5	C032C92701	EPA 8270-M	U	FLUORANTHENE	8.4 UG/KG			000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	0.5	C032C92701	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	0.5	C032C92701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.3 UG/KG			000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	0.5	C032C92701	EPA 8270-M	U	NAPHTHALENE	0.48 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	0.5	C032C92701	EPA 8270-M	U	PHENANTHRENE	1.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/31/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-39	SB	REG	0.5	C032C92701	EPA 8270-M	U	PYRENE	13 UG/KG			000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	ACENAPHTHYLENE	9.8 UG/KG			000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	BENZ(A)ANTHRACENE	150 UG/KG		R	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	BENZO(A)PYRENE	240 UG/KG		R	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	140 UG/KG		R	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	180 UG/KG		R	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	170 UG/KG		R	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	CHRYSENE	180 UG/KG		R	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	25 UG/KG		R	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	FLUORANTHENE	230 UG/KG			000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	210 UG/KG		R	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	NAPHTHALENE	3.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	PHENANTHRENE	5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	PYRENE	360 UG/KG	E	R	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.86 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	6/3/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	ACENAPHTHENE	10 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	6/3/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	ACENAPHTHYLENE	12 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	6/3/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	ANTHRACENE	2.9 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	6/3/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	BENZ(A)ANTHRACENE	170 UG/KG			DL1 REG	5/14/2002	5/15/2002	6/3/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	BENZO(A)PYRENE	250 UG/KG			DL1 REG	5/14/2002	5/15/2002	6/3/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	150 UG/KG			DL1 REG	5/14/2002	5/15/2002	6/3/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	180 UG/KG			DL1 REG	5/14/2002	5/15/2002	6/3/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	190 UG/KG			DL1 REG	5/14/2002	5/15/2002	6/3/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	CHRYSENE	200 UG/KG			DL1 REG	5/14/2002	5/15/2002	6/3/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	28 UG/KG			DL1 REG	5/14/2002	5/15/2002	6/3/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	FLUORANTHENE	230 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	6/3/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	FLUORENE	10 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	6/3/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	230 UG/KG			DL1 REG	5/14/2002	5/15/2002	6/3/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	NAPHTHALENE	3.1 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	6/3/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	PHENANTHRENE	6.6 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	6/3/2002
32EDC-5-39	SB	REG	2	C032C92801	EPA 8270-M	U	PYRENE	360 UG/KG			DL1 REG	5/14/2002	5/15/2002	6/3/2002
32EDC-5-39	SB	REG	4	C032C92901	EPA 8270-M	U	2-METHYLNAPHTHALENE	11 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-39	SB	REG	4	C032C92901	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-39	SB	REG	4	C032C92901	EPA 8270-M	U	ACENAPHTHYLENE	11 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-39	SB	REG	4	C032C92901	EPA 8270-M	U	ANTHRACENE	11 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-39	SB	REG	4	C032C92901	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-39	SB	REG	4	C032C92901	EPA 8270-M	U	BENZO(A)PYRENE	11 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-39	SB	REG	4	C032C92901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	11 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-39	SB	REG	4	C032C92901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-39	SB	REG	4	C032C92901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	11 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-39	SB	REG	4	C032C92901	EPA 8270-M	U	CHRYSENE	11 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-39	SB	REG	4	C032C92901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	11 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-39	SB	REG	4	C032C92901	EPA 8270-M	U	FLUORANTHENE	11 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-39	SB	REG	4	C032C92901	EPA 8270-M	U	FLUORENE	11 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-39	SB	REG	4	C032C92901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-39	SB	REG	4	C032C92901	EPA 8270-M	U	NAPHTHALENE	11 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-39	SB	REG	4	C032C92901	EPA 8270-M	U	PHENANTHRENE	11 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-39	SB	REG	4	C032C92901	EPA 8270-M	U	PYRENE	0.76 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-40	SB	FD	4	C032C93401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	FD	4	C032C93401	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-40	SB	FD	4	C032C93401	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	FD	4	C032C93401	EPA 8270-M	U	ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	FD	4	C032C93401	EPA 8270-M	U	BENZ(A)ANTHRACENE	14 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	FD	4	C032C93401	EPA 8270-M	U	BENZO(A)PYRENE	33 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	FD	4	C032C93401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	22 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	FD	4	C032C93401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	37 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	FD	4	C032C93401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	16 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	FD	4	C032C93401	EPA 8270-M	U	CHRYSENE	18 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	FD	4	C032C93401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	FD	4	C032C93401	EPA 8270-M	U	FLUORANTHENE	37 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	FD	4	C032C93401	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	FD	4	C032C93401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	26 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	FD	4	C032C93401	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	FD	4	C032C93401	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	FD	4	C032C93401	EPA 8270-M	U	PYRENE	50 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0	C032C93001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0	C032C93001	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0	C032C93001	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0	C032C93001	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0	C032C93001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0	C032C93001	EPA 8270-M	U	BENZO(A)PYRENE	11 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0	C032C93001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.4 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0	C032C93001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	13 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0	C032C93001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.3 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0	C032C93001	EPA 8270-M	U	CHRYSENE	8.2 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0	C032C93001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0	C032C93001	EPA 8270-M	U	FLUORANTHENE	10 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-40	SB	REG	0	C032C93001	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0	C032C93001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	9 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0	C032C93001	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0	C032C93001	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0	C032C93001	EPA 8270-M	U	PYRENE	17 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0.5	C032C93101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0.5	C032C93101	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0.5	C032C93101	EPA 8270-M	U	ACENAPHTHYLENE	2.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0.5	C032C93101	EPA 8270-M	U	ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0.5	C032C93101	EPA 8270-M	U	BENZ(A)ANTHRACENE	20 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0.5	C032C93101	EPA 8270-M	U	BENZO(A)PYRENE	44 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0.5	C032C93101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	31 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0.5	C032C93101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	57 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0.5	C032C93101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	24 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0.5	C032C93101	EPA 8270-M	U	CHRYSENE	22 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0.5	C032C93101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0.5	C032C93101	EPA 8270-M	U	FLUORANTHENE	35 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0.5	C032C93101	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0.5	C032C93101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	40 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0.5	C032C93101	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0.5	C032C93101	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	0.5	C032C93101	EPA 8270-M	U	PYRENE	71 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	2	C032C93201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	2	C032C93201	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	2	C032C93201	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	2	C032C93201	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	2	C032C93201	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-40	SB	REG	2	C032C93201	EPA 8270-M	U	BENZO(A)PYRENE	9.2 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	2	C032C93201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	9.9 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	2	C032C93201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	13 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	2	C032C93201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	2	C032C93201	EPA 8270-M	U	CHRYSENE	4.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	2	C032C93201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	2	C032C93201	EPA 8270-M	U	FLUORANTHENE	7.1 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	2	C032C93201	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	2	C032C93201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	2	C032C93201	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	2	C032C93201	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	2	C032C93201	EPA 8270-M	U	PYRENE	12 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	4	C032C93301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	4	C032C93301	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	4	C032C93301	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	4	C032C93301	EPA 8270-M	U	ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	4	C032C93301	EPA 8270-M	U	BENZ(A)ANTHRACENE	17 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	4	C032C93301	EPA 8270-M	U	BENZO(A)PYRENE	36 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	4	C032C93301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	24 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	4	C032C93301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	39 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	4	C032C93301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	18 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	4	C032C93301	EPA 8270-M	U	CHRYSENE	21 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	4	C032C93301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	4	C032C93301	EPA 8270-M	U	FLUORANTHENE	45 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	4	C032C93301	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	4	C032C93301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	28 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	4	C032C93301	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-40	SB	REG	4	C032C93301	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-40	SB	REG	4	C032C93301	EPA 8270-M	U	PYRENE	59 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-41	SB	REG	0	C032C93501	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0	C032C93501	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0	C032C93501	EPA 8270-M	U	ACENAPHTHYLENE	3.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0	C032C93501	EPA 8270-M	U	ANTHRACENE	3.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0	C032C93501	EPA 8270-M	U	BENZ(A)ANTHRACENE	27 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0	C032C93501	EPA 8270-M	U	BENZO(A)PYRENE	45 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0	C032C93501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	35 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0	C032C93501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	41 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0	C032C93501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	41 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0	C032C93501	EPA 8270-M	U	CHRYSENE	40 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0	C032C93501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.8 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0	C032C93501	EPA 8270-M	U	FLUORANTHENE	44 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0	C032C93501	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0	C032C93501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	42 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0	C032C93501	EPA 8270-M	U	NAPHTHALENE	3.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0	C032C93501	EPA 8270-M	U	PHENANTHRENE	18 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0	C032C93501	EPA 8270-M	U	PYRENE	54 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0.5	C032C93601	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.98 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0.5	C032C93601	EPA 8270-M	U	ACENAPHTHENE	1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0.5	C032C93601	EPA 8270-M	U	ACENAPHTHYLENE	3.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0.5	C032C93601	EPA 8270-M	U	ANTHRACENE	3.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0.5	C032C93601	EPA 8270-M	U	BENZ(A)ANTHRACENE	34 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0.5	C032C93601	EPA 8270-M	U	BENZO(A)PYRENE	70 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0.5	C032C93601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	49 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0.5	C032C93601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	78 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-41	SB	REG	0.5	C032C93601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	55 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0.5	C032C93601	EPA 8270-M	U	CHRYSENE	42 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0.5	C032C93601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	8.3 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0.5	C032C93601	EPA 8270-M	U	FLUORANTHENE	63 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0.5	C032C93601	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0.5	C032C93601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	72 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0.5	C032C93601	EPA 8270-M	U	NAPHTHALENE	3.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0.5	C032C93601	EPA 8270-M	U	PHENANTHRENE	16 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	0.5	C032C93601	EPA 8270-M	U	PYRENE	100 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	2	C032C93701	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	2	C032C93701	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	2	C032C93701	EPA 8270-M	U	ACENAPHTHYLENE	13 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	2	C032C93701	EPA 8270-M	U	ANTHRACENE	21 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	2	C032C93701	EPA 8270-M	U	BENZ(A)ANTHRACENE	76 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	2	C032C93701	EPA 8270-M	U	BENZO(A)PYRENE	130 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	2	C032C93701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	82 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	2	C032C93701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	110 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	2	C032C93701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	95 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	2	C032C93701	EPA 8270-M	U	CHRYSENE	87 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	2	C032C93701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	13 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	2	C032C93701	EPA 8270-M	U	FLUORANTHENE	190 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	2	C032C93701	EPA 8270-M	U	FLUORENE	9.8 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	2	C032C93701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	110 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	2	C032C93701	EPA 8270-M	U	NAPHTHALENE	6.7 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	2	C032C93701	EPA 8270-M	U	PHENANTHRENE	140 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	2	C032C93701	EPA 8270-M	U	PYRENE	250 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	4	C032C93801	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.44 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-41	SB	REG	4	C032C93801	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	4	C032C93801	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	4	C032C93801	EPA 8270-M	U	ANTHRACENE	1.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	4	C032C93801	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.9 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	4	C032C93801	EPA 8270-M	U	BENZO(A)PYRENE	18 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	4	C032C93801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	14 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	4	C032C93801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	19 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	4	C032C93801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	12 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	4	C032C93801	EPA 8270-M	U	CHRYSENE	12 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	4	C032C93801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	4	C032C93801	EPA 8270-M	U	FLUORANTHENE	20 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	4	C032C93801	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	4	C032C93801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	18 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	4	C032C93801	EPA 8270-M	U	NAPHTHALENE	1.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	4	C032C93801	EPA 8270-M	U	PHENANTHRENE	6.5 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-41	SB	REG	4	C032C93801	EPA 8270-M	U	PYRENE	28 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-42	SB	REG	0	C032C93901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0	C032C93901	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0	C032C93901	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0	C032C93901	EPA 8270-M	U	ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0	C032C93901	EPA 8270-M	U	BENZ(A)ANTHRACENE	18 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0	C032C93901	EPA 8270-M	U	BENZO(A)PYRENE	27 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0	C032C93901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	27 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0	C032C93901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	32 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0	C032C93901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	22 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0	C032C93901	EPA 8270-M	U	CHRYSENE	27 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0	C032C93901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-42	SB	REG	0	C032C93901	EPA 8270-M	U	FLUORANTHENE	34 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0	C032C93901	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0	C032C93901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	31 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0	C032C93901	EPA 8270-M	U	NAPHTHALENE	1.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0	C032C93901	EPA 8270-M	U	PHENANTHRENE	12 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0	C032C93901	EPA 8270-M	U	PYRENE	43 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0.5	C032C94001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0.5	C032C94001	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0.5	C032C94001	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0.5	C032C94001	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0.5	C032C94001	EPA 8270-M	U	BENZ(A)ANTHRACENE	9.9 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0.5	C032C94001	EPA 8270-M	U	BENZO(A)PYRENE	16 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0.5	C032C94001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	16 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0.5	C032C94001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	22 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0.5	C032C94001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	13 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0.5	C032C94001	EPA 8270-M	U	CHRYSENE	14 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0.5	C032C94001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0.5	C032C94001	EPA 8270-M	U	FLUORANTHENE	19 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0.5	C032C94001	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0.5	C032C94001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	21 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0.5	C032C94001	EPA 8270-M	U	NAPHTHALENE	2.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0.5	C032C94001	EPA 8270-M	U	PHENANTHRENE	7.4 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	0.5	C032C94001	EPA 8270-M	U	PYRENE	27 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	ACENAPHTHENE	14 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	ACENAPHTHYLENE	100 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	ANTHRACENE	150 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	BENZ(A)ANTHRACENE	530 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	BENZO(A)PYRENE	860 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	600 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	770 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	510 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	CHRYSENE	620 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	64 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	FLUORANTHENE	2200 UG/KG	E	R	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	FLUORENE	52 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	730 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	NAPHTHALENE	26 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	PHENANTHRENE	1800 UG/KG	E	R	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	PYRENE	2400 UG/KG	E	R	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	2-METHYLNAPHTHALENE	53 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	ACENAPHTHENE	13 UG/KG	JD	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	ACENAPHTHYLENE	85 UG/KG	D	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	ANTHRACENE	160 UG/KG	D	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	BENZ(A)ANTHRACENE	500 UG/KG	D	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	BENZO(A)PYRENE	770 UG/KG	D	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	550 UG/KG	D	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	610 UG/KG	D	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	510 UG/KG	D	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	CHRYSENE	570 UG/KG	D	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	57 UG/KG	D	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	FLUORANTHENE	2100 UG/KG	D		DL1 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	FLUORENE	50 UG/KG	JD	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	600 UG/KG	D	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	NAPHTHALENE	24 UG/KG	JD	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	PHENANTHRENE	1800 UG/KG	D		DL1 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-42	SB	REG	2	C032C94101	EPA 8270-M	U	PYRENE	2600 UG/KG	D		DL1 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-42	SB	REG	4	C032C94201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	4	C032C94201	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	4	C032C94201	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	4	C032C94201	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	4	C032C94201	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	4	C032C94201	EPA 8270-M	U	BENZO(A)PYRENE	12 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	4	C032C94201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.9 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	4	C032C94201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	15 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	4	C032C94201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.1 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	4	C032C94201	EPA 8270-M	U	CHRYSENE	6.3 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	4	C032C94201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	4	C032C94201	EPA 8270-M	U	FLUORANTHENE	11 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	4	C032C94201	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	4	C032C94201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	12 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	4	C032C94201	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	4	C032C94201	EPA 8270-M	U	PHENANTHRENE	2.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-42	SB	REG	4	C032C94201	EPA 8270-M	U	PYRENE	22 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	FD	0.5	C032C94501	EPA 8270-M	U	2-METHYLNAPHTHALENE	52 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	FD	0.5	C032C94501	EPA 8270-M	U	ACENAPHTHENE	52 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	FD	0.5	C032C94501	EPA 8270-M	U	ACENAPHTHYLENE	52 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	FD	0.5	C032C94501	EPA 8270-M	U	ANTHRACENE	52 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	FD	0.5	C032C94501	EPA 8270-M	U	BENZ(A)ANTHRACENE	7.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	FD	0.5	C032C94501	EPA 8270-M	U	BENZO(A)PYRENE	12 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	FD	0.5	C032C94501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	15 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-43	SB	FD	0.5	C032C94501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	26 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	FD	0.5	C032C94501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	10 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	FD	0.5	C032C94501	EPA 8270-M	U	CHRYSENE	13 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	FD	0.5	C032C94501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	52 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	FD	0.5	C032C94501	EPA 8270-M	U	FLUORANTHENE	18 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	FD	0.5	C032C94501	EPA 8270-M	U	FLUORENE	52 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	FD	0.5	C032C94501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	21 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	FD	0.5	C032C94501	EPA 8270-M	U	NAPHTHALENE	52 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	FD	0.5	C032C94501	EPA 8270-M	U	PHENANTHRENE	12 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	FD	0.5	C032C94501	EPA 8270-M	U	PYRENE	23 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	0	C032C94301	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	0	C032C94301	EPA 8270-M	U	ACENAPHTHENE	1.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	0	C032C94301	EPA 8270-M	U	ACENAPHTHYLENE	8.3 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	0	C032C94301	EPA 8270-M	U	ANTHRACENE	7.6 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	0	C032C94301	EPA 8270-M	U	BENZ(A)ANTHRACENE	62 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	0	C032C94301	EPA 8270-M	U	BENZO(A)PYRENE	130 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	0	C032C94301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	94 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	0	C032C94301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	120 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	0	C032C94301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	83 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	0	C032C94301	EPA 8270-M	U	CHRYSENE	70 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	0	C032C94301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	13 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	0	C032C94301	EPA 8270-M	U	FLUORANTHENE	120 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	0	C032C94301	EPA 8270-M	U	FLUORENE	2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	0	C032C94301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	110 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	0	C032C94301	EPA 8270-M	U	NAPHTHALENE	4.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	0	C032C94301	EPA 8270-M	U	PHENANTHRENE	38 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	0	C032C94301	EPA 8270-M	U	PYRENE	200 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-43	SB	REG	0.5	C032C94401	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	0.5	C032C94401	EPA 8270-M	U	ACENAPHTHENE	52 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	0.5	C032C94401	EPA 8270-M	U	ACENAPHTHYLENE	44 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	0.5	C032C94401	EPA 8270-M	U	ANTHRACENE	130 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	0.5	C032C94401	EPA 8270-M	U	BENZ(A)ANTHRACENE	260 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	0.5	C032C94401	EPA 8270-M	U	BENZO(A)PYRENE	310 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	0.5	C032C94401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	200 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	0.5	C032C94401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	180 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	0.5	C032C94401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	260 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	0.5	C032C94401	EPA 8270-M	U	CHRYSENE	320 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	0.5	C032C94401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	34 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	0.5	C032C94401	EPA 8270-M	U	FLUORANTHENE	760 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	0.5	C032C94401	EPA 8270-M	U	FLUORENE	29 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	0.5	C032C94401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	190 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	0.5	C032C94401	EPA 8270-M	U	NAPHTHALENE	6.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	0.5	C032C94401	EPA 8270-M	U	PHENANTHRENE	590 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	0.5	C032C94401	EPA 8270-M	U	PYRENE	1000 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	2	C032C94601	EPA 8270-M	U	2-METHYLNAPHTHALENE	100 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	2	C032C94601	EPA 8270-M	U	ACENAPHTHENE	100 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	2	C032C94601	EPA 8270-M	U	ACENAPHTHYLENE	100 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	2	C032C94601	EPA 8270-M	U	ANTHRACENE	100 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	2	C032C94601	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	2	C032C94601	EPA 8270-M	U	BENZO(A)PYRENE	12 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	2	C032C94601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	15 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	2	C032C94601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	19 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	2	C032C94601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	2	C032C94601	EPA 8270-M	U	CHRYSENE	13 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-43	SB	REG	2	C032C94601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	100 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	2	C032C94601	EPA 8270-M	U	FLUORANTHENE	10 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	2	C032C94601	EPA 8270-M	U	FLUORENE	100 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	2	C032C94601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	11 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	2	C032C94601	EPA 8270-M	U	NAPHTHALENE	100 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	2	C032C94601	EPA 8270-M	U	PHENANTHRENE	100 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	2	C032C94601	EPA 8270-M	U	PYRENE	12 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-43	SB	REG	4	C032C94701	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	4	C032C94701	EPA 8270-M	U	ACENAPHTHENE	1.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	4	C032C94701	EPA 8270-M	U	ACENAPHTHYLENE	3.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	4	C032C94701	EPA 8270-M	U	ANTHRACENE	14 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	4	C032C94701	EPA 8270-M	U	BENZ(A)ANTHRACENE	68 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	4	C032C94701	EPA 8270-M	U	BENZO(A)PYRENE	75 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	4	C032C94701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	67 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	4	C032C94701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	53 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	4	C032C94701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	62 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	4	C032C94701	EPA 8270-M	U	CHRYSENE	75 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	4	C032C94701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	10 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	4	C032C94701	EPA 8270-M	U	FLUORANTHENE	140 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	4	C032C94701	EPA 8270-M	U	FLUORENE	1.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	4	C032C94701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	57 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	4	C032C94701	EPA 8270-M	U	NAPHTHALENE	4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	4	C032C94701	EPA 8270-M	U	PHENANTHRENE	30 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-43	SB	REG	4	C032C94701	EPA 8270-M	U	PYRENE	150 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-44	SB	REG	0	C032C94801	EPA 8270-M	U	2-METHYLNAPHTHALENE	10 UG/KG	JB	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0	C032C94801	EPA 8270-M	U	ACENAPHTHENE	27 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0	C032C94801	EPA 8270-M	U	ACENAPHTHYLENE	27 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-44	SB	REG	0	C032C94801	EPA 8270-M	U	ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0	C032C94801	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0	C032C94801	EPA 8270-M	U	BENZO(A)PYRENE	11 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0	C032C94801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	17 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0	C032C94801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	28 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0	C032C94801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	14 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0	C032C94801	EPA 8270-M	U	CHRYSENE	27 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0	C032C94801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	27 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0	C032C94801	EPA 8270-M	U	FLUORANTHENE	9.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0	C032C94801	EPA 8270-M	U	FLUORENE	27 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0	C032C94801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	27 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0	C032C94801	EPA 8270-M	U	NAPHTHALENE	3.6 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0	C032C94801	EPA 8270-M	U	PHENANTHRENE	19 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0	C032C94801	EPA 8270-M	U	PYRENE	17 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0.5	C032C94901	EPA 8270-M	U	2-METHYLNAPHTHALENE	8.5 UG/KG	JB	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0.5	C032C94901	EPA 8270-M	U	ACENAPHTHENE	27 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0.5	C032C94901	EPA 8270-M	U	ACENAPHTHYLENE	27 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0.5	C032C94901	EPA 8270-M	U	ANTHRACENE	2.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0.5	C032C94901	EPA 8270-M	U	BENZ(A)ANTHRACENE	10 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0.5	C032C94901	EPA 8270-M	U	BENZO(A)PYRENE	19 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0.5	C032C94901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	18 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0.5	C032C94901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	31 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0.5	C032C94901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	14 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0.5	C032C94901	EPA 8270-M	U	CHRYSENE	37 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0.5	C032C94901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0.5	C032C94901	EPA 8270-M	U	FLUORANTHENE	18 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0.5	C032C94901	EPA 8270-M	U	FLUORENE	27 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-44	SB	REG	0.5	C032C94901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	20 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0.5	C032C94901	EPA 8270-M	U	NAPHTHALENE	4.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0.5	C032C94901	EPA 8270-M	U	PHENANTHRENE	13 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	0.5	C032C94901	EPA 8270-M	U	PYRENE	27 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	2	C032C95001	EPA 8270-M	U	2-METHYLNAPHTHALENE	18 UG/KG	JB	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	2	C032C95001	EPA 8270-M	U	ACENAPHTHENE	28 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	2	C032C95001	EPA 8270-M	U	ACENAPHTHYLENE	28 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	2	C032C95001	EPA 8270-M	U	ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	2	C032C95001	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	2	C032C95001	EPA 8270-M	U	BENZO(A)PYRENE	16 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	2	C032C95001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	14 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	2	C032C95001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	28 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	2	C032C95001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	23 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	2	C032C95001	EPA 8270-M	U	CHRYSENE	32 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	2	C032C95001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	28 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	2	C032C95001	EPA 8270-M	U	FLUORANTHENE	9.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	2	C032C95001	EPA 8270-M	U	FLUORENE	28 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	2	C032C95001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	28 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	2	C032C95001	EPA 8270-M	U	NAPHTHALENE	6.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	2	C032C95001	EPA 8270-M	U	PHENANTHRENE	16 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	2	C032C95001	EPA 8270-M	U	PYRENE	22 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-44	SB	REG	4	C032C95101	EPA 8270-M	U	2-METHYLNAPHTHALENE	14 UG/KG	B		000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-44	SB	REG	4	C032C95101	EPA 8270-M	U	ACENAPHTHENE	1.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-44	SB	REG	4	C032C95101	EPA 8270-M	U	ACENAPHTHYLENE	31 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-44	SB	REG	4	C032C95101	EPA 8270-M	U	ANTHRACENE	22 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-44	SB	REG	4	C032C95101	EPA 8270-M	U	BENZ(A)ANTHRACENE	120 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-44	SB	REG	4	C032C95101	EPA 8270-M	U	BENZO(A)PYRENE	170 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-44	SB	REG	4	C032C95101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	94 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-44	SB	REG	4	C032C95101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	140 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-44	SB	REG	4	C032C95101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	150 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-44	SB	REG	4	C032C95101	EPA 8270-M	U	CHRYSENE	170 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-44	SB	REG	4	C032C95101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	40 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-44	SB	REG	4	C032C95101	EPA 8270-M	U	FLUORANTHENE	110 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-44	SB	REG	4	C032C95101	EPA 8270-M	U	FLUORENE	3.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-44	SB	REG	4	C032C95101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	130 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-44	SB	REG	4	C032C95101	EPA 8270-M	U	NAPHTHALENE	16 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-44	SB	REG	4	C032C95101	EPA 8270-M	U	PHENANTHRENE	88 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-44	SB	REG	4	C032C95101	EPA 8270-M	U	PYRENE	250 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-45	SB	FD	4	C032C95601	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	FD	4	C032C95601	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	FD	4	C032C95601	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	FD	4	C032C95601	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	FD	4	C032C95601	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	FD	4	C032C95601	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	FD	4	C032C95601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	FD	4	C032C95601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	FD	4	C032C95601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	FD	4	C032C95601	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	FD	4	C032C95601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	FD	4	C032C95601	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	FD	4	C032C95601	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	FD	4	C032C95601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	FD	4	C032C95601	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	FD	4	C032C95601	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-45	SB	FD	4	C032C95601	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0	C032C95201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0	C032C95201	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0	C032C95201	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0	C032C95201	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0	C032C95201	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0	C032C95201	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0	C032C95201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0	C032C95201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0	C032C95201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0	C032C95201	EPA 8270-M	U	CHRYSENE	2.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0	C032C95201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0	C032C95201	EPA 8270-M	U	FLUORANTHENE	3.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0	C032C95201	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0	C032C95201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	J	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0	C032C95201	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0	C032C95201	EPA 8270-M	U	PHENANTHRENE	1.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0	C032C95201	EPA 8270-M	U	PYRENE	4.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0.5	C032C95301	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0.5	C032C95301	EPA 8270-M	U	ACENAPHTHENE	6.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0.5	C032C95301	EPA 8270-M	U	ACENAPHTHYLENE	6.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0.5	C032C95301	EPA 8270-M	U	ANTHRACENE	6.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0.5	C032C95301	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0.5	C032C95301	EPA 8270-M	U	BENZO(A)PYRENE	6.7 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0.5	C032C95301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0.5	C032C95301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	11 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0.5	C032C95301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-45	SB	REG	0.5	C032C95301	EPA 8270-M	U	CHRYSENE	4.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0.5	C032C95301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0.5	C032C95301	EPA 8270-M	U	FLUORANTHENE	7.9 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0.5	C032C95301	EPA 8270-M	U	FLUORENE	6.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0.5	C032C95301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.5 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0.5	C032C95301	EPA 8270-M	U	NAPHTHALENE	6.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0.5	C032C95301	EPA 8270-M	U	PHENANTHRENE	6.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	0.5	C032C95301	EPA 8270-M	U	PYRENE	12 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	2	C032C95401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	2	C032C95401	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	2	C032C95401	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	2	C032C95401	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	2	C032C95401	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	2	C032C95401	EPA 8270-M	U	BENZO(A)PYRENE	5.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	2	C032C95401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	2	C032C95401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	2	C032C95401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	2	C032C95401	EPA 8270-M	U	CHRYSENE	6.1 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	2	C032C95401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	2	C032C95401	EPA 8270-M	U	FLUORANTHENE	9.4 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	2	C032C95401	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	2	C032C95401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	2	C032C95401	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	2	C032C95401	EPA 8270-M	U	PHENANTHRENE	7.2 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	2	C032C95401	EPA 8270-M	U	PYRENE	16 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	4	C032C95501	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	4	C032C95501	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-45	SB	REG	4	C032C95501	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	4	C032C95501	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	4	C032C95501	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	4	C032C95501	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	4	C032C95501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	4	C032C95501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	4	C032C95501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	4	C032C95501	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	4	C032C95501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	4	C032C95501	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	4	C032C95501	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	4	C032C95501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	4	C032C95501	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	4	C032C95501	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-45	SB	REG	4	C032C95501	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-5-46	SB	REG	0	C032C95701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0	C032C95701	EPA 8270-M	U	ACENAPHTHENE	1.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0	C032C95701	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0	C032C95701	EPA 8270-M	U	ANTHRACENE	2.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0	C032C95701	EPA 8270-M	U	BENZ(A)ANTHRACENE	15 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0	C032C95701	EPA 8270-M	U	BENZO(A)PYRENE	16 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0	C032C95701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	16 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0	C032C95701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	10 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0	C032C95701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	12 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0	C032C95701	EPA 8270-M	U	CHRYSENE	18 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0	C032C95701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0	C032C95701	EPA 8270-M	U	FLUORANTHENE	24 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-46	SB	REG	0	C032C95701	EPA 8270-M	U	FLUORENE	1.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0	C032C95701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.6 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0	C032C95701	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0	C032C95701	EPA 8270-M	U	PHENANTHRENE	18 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0	C032C95701	EPA 8270-M	U	PYRENE	22 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0.5	C032C95801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0.5	C032C95801	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0.5	C032C95801	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0.5	C032C95801	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0.5	C032C95801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0.5	C032C95801	EPA 8270-M	U	BENZO(A)PYRENE	2.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0.5	C032C95801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0.5	C032C95801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0.5	C032C95801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0.5	C032C95801	EPA 8270-M	U	CHRYSENE	1.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0.5	C032C95801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0.5	C032C95801	EPA 8270-M	U	FLUORANTHENE	3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0.5	C032C95801	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0.5	C032C95801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0.5	C032C95801	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0.5	C032C95801	EPA 8270-M	U	PHENANTHRENE	1.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	0.5	C032C95801	EPA 8270-M	U	PYRENE	3.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	2	C032C95901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	2	C032C95901	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	2	C032C95901	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	2	C032C95901	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	2	C032C95901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-46	SB	REG	2	C032C95901	EPA 8270-M	U	BENZO(A)PYRENE	1.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	2	C032C95901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	2	C032C95901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	2	C032C95901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	2	C032C95901	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	2	C032C95901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	2	C032C95901	EPA 8270-M	U	FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	2	C032C95901	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	2	C032C95901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	2	C032C95901	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	2	C032C95901	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	2	C032C95901	EPA 8270-M	U	PYRENE	2.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	4	C032C96001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	4	C032C96001	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	4	C032C96001	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	4	C032C96001	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	4	C032C96001	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	4	C032C96001	EPA 8270-M	U	BENZO(A)PYRENE	2.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	4	C032C96001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	4	C032C96001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	4	C032C96001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	4	C032C96001	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	4	C032C96001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	4	C032C96001	EPA 8270-M	U	FLUORANTHENE	3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	4	C032C96001	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	4	C032C96001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	4	C032C96001	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-46	SB	REG	4	C032C96001	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-46	SB	REG	4	C032C96001	EPA 8270-M	U	PYRENE	5.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-47	SB	REG	0	C032C96101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0	C032C96101	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0	C032C96101	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0	C032C96101	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0	C032C96101	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.66 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0	C032C96101	EPA 8270-M	U	BENZO(A)PYRENE	1.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0	C032C96101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0	C032C96101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0	C032C96101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0	C032C96101	EPA 8270-M	U	CHRYSENE	1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0	C032C96101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.37 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0	C032C96101	EPA 8270-M	U	FLUORANTHENE	1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0	C032C96101	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0	C032C96101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0	C032C96101	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0	C032C96101	EPA 8270-M	U	PHENANTHRENE	0.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0	C032C96101	EPA 8270-M	U	PYRENE	1.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0.5	C032C96201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0.5	C032C96201	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0.5	C032C96201	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0.5	C032C96201	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0.5	C032C96201	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0.5	C032C96201	EPA 8270-M	U	BENZO(A)PYRENE	4.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0.5	C032C96201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0.5	C032C96201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-47	SB	REG	0.5	C032C96201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0.5	C032C96201	EPA 8270-M	U	CHRYSENE	1.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0.5	C032C96201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.66 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0.5	C032C96201	EPA 8270-M	U	FLUORANTHENE	2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0.5	C032C96201	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0.5	C032C96201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0.5	C032C96201	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0.5	C032C96201	EPA 8270-M	U	PHENANTHRENE	0.56 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	0.5	C032C96201	EPA 8270-M	U	PYRENE	4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	2	C032C96301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	2	C032C96301	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	2	C032C96301	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	2	C032C96301	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	2	C032C96301	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	2	C032C96301	EPA 8270-M	U	BENZO(A)PYRENE	2.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	2	C032C96301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	2	C032C96301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	2	C032C96301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	2	C032C96301	EPA 8270-M	U	CHRYSENE	1.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	2	C032C96301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.39 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	2	C032C96301	EPA 8270-M	U	FLUORANTHENE	4.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	2	C032C96301	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	2	C032C96301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	2	C032C96301	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	2	C032C96301	EPA 8270-M	U	PHENANTHRENE	1.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	2	C032C96301	EPA 8270-M	U	PYRENE	4.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	4	C032C96401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-47	SB	REG	4	C032C96401	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	4	C032C96401	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	4	C032C96401	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	4	C032C96401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	4	C032C96401	EPA 8270-M	U	BENZO(A)PYRENE	0.69 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	4	C032C96401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	4	C032C96401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.74 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	4	C032C96401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.45 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	4	C032C96401	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	4	C032C96401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	4	C032C96401	EPA 8270-M	U	FLUORANTHENE	0.59 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	4	C032C96401	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	4	C032C96401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.81 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	4	C032C96401	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	4	C032C96401	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-47	SB	REG	4	C032C96401	EPA 8270-M	U	PYRENE	0.81 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-48	SB	FD	0.5	C032C96701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	FD	0.5	C032C96701	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	FD	0.5	C032C96701	EPA 8270-M	U	ACENAPHTHYLENE	4.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	FD	0.5	C032C96701	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	FD	0.5	C032C96701	EPA 8270-M	U	BENZ(A)ANTHRACENE	14 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	FD	0.5	C032C96701	EPA 8270-M	U	BENZO(A)PYRENE	16 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	FD	0.5	C032C96701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	21 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	FD	0.5	C032C96701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	13 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	FD	0.5	C032C96701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.8 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	FD	0.5	C032C96701	EPA 8270-M	U	CHRYSENE	17 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	FD	0.5	C032C96701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-48	SB	FD	0.5	C032C96701	EPA 8270-M	U	FLUORANTHENE	33 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	FD	0.5	C032C96701	EPA 8270-M	U	FLUORENE	1.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	FD	0.5	C032C96701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	15 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	FD	0.5	C032C96701	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	FD	0.5	C032C96701	EPA 8270-M	U	PHENANTHRENE	31 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	FD	0.5	C032C96701	EPA 8270-M	U	PYRENE	39 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0	C032C96501	EPA 8270-M	U	2-METHYLNAPHTHALENE	12 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0	C032C96501	EPA 8270-M	U	ACENAPHTHENE	15 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0	C032C96501	EPA 8270-M	U	ACENAPHTHYLENE	50 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0	C032C96501	EPA 8270-M	U	ANTHRACENE	52 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0	C032C96501	EPA 8270-M	U	BENZ(A)ANTHRACENE	130 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0	C032C96501	EPA 8270-M	U	BENZO(A)PYRENE	150 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0	C032C96501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	160 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0	C032C96501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	120 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0	C032C96501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	54 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0	C032C96501	EPA 8270-M	U	CHRYSENE	140 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0	C032C96501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	18 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0	C032C96501	EPA 8270-M	U	FLUORANTHENE	380 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0	C032C96501	EPA 8270-M	U	FLUORENE	25 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0	C032C96501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	140 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0	C032C96501	EPA 8270-M	U	NAPHTHALENE	36 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0	C032C96501	EPA 8270-M	U	PHENANTHRENE	430 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0	C032C96501	EPA 8270-M	U	PYRENE	410 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0.5	C032C96601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0.5	C032C96601	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0.5	C032C96601	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0.5	C032C96601	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-48	SB	REG	0.5	C032C96601	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0.5	C032C96601	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0.5	C032C96601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.3 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0.5	C032C96601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0.5	C032C96601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0.5	C032C96601	EPA 8270-M	U	CHRYSENE	6.1 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0.5	C032C96601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0.5	C032C96601	EPA 8270-M	U	FLUORANTHENE	8.5 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0.5	C032C96601	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0.5	C032C96601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0.5	C032C96601	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0.5	C032C96601	EPA 8270-M	U	PHENANTHRENE	4.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	0.5	C032C96601	EPA 8270-M	U	PYRENE	9.9 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	2	C032C96801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	2	C032C96801	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	2	C032C96801	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	2	C032C96801	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	2	C032C96801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	2	C032C96801	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	2	C032C96801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	2	C032C96801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	2	C032C96801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	2	C032C96801	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	2	C032C96801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	2	C032C96801	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	2	C032C96801	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	2	C032C96801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-48	SB	REG	2	C032C96801	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	2	C032C96801	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	2	C032C96801	EPA 8270-M	U	PYRENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	4	C032C96901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	4	C032C96901	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	4	C032C96901	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	4	C032C96901	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	4	C032C96901	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	4	C032C96901	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	4	C032C96901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	4	C032C96901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	4	C032C96901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	4	C032C96901	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	4	C032C96901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	4	C032C96901	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	4	C032C96901	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	4	C032C96901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.86 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	4	C032C96901	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	4	C032C96901	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-48	SB	REG	4	C032C96901	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-49	SB	REG	0	C032C97001	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.33 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0	C032C97001	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0	C032C97001	EPA 8270-M	U	ACENAPHTHYLENE	2.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0	C032C97001	EPA 8270-M	U	ANTHRACENE	2.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0	C032C97001	EPA 8270-M	U	BENZ(A)ANTHRACENE	13 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0	C032C97001	EPA 8270-M	U	BENZO(A)PYRENE	19 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0	C032C97001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	14 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-49	SB	REG	0	C032C97001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	18 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0	C032C97001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	15 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0	C032C97001	EPA 8270-M	U	CHRYSENE	18 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0	C032C97001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0	C032C97001	EPA 8270-M	U	FLUORANTHENE	38 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0	C032C97001	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0	C032C97001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	18 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0	C032C97001	EPA 8270-M	U	NAPHTHALENE	0.68 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0	C032C97001	EPA 8270-M	U	PHENANTHRENE	13 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0	C032C97001	EPA 8270-M	U	PYRENE	47 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0.5	C032C97101	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.31 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0.5	C032C97101	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0.5	C032C97101	EPA 8270-M	U	ACENAPHTHYLENE	3.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0.5	C032C97101	EPA 8270-M	U	ANTHRACENE	2.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0.5	C032C97101	EPA 8270-M	U	BENZ(A)ANTHRACENE	16 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0.5	C032C97101	EPA 8270-M	U	BENZO(A)PYRENE	24 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0.5	C032C97101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	16 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0.5	C032C97101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	24 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0.5	C032C97101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	18 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0.5	C032C97101	EPA 8270-M	U	CHRYSENE	19 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0.5	C032C97101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0.5	C032C97101	EPA 8270-M	U	FLUORANTHENE	44 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0.5	C032C97101	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0.5	C032C97101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	24 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0.5	C032C97101	EPA 8270-M	U	NAPHTHALENE	0.78 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0.5	C032C97101	EPA 8270-M	U	PHENANTHRENE	15 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	0.5	C032C97101	EPA 8270-M	U	PYRENE	57 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-49	SB	REG	2	C032C97201	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	2	C032C97201	EPA 8270-M	U	ACENAPHTHENE	5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	2	C032C97201	EPA 8270-M	U	ACENAPHTHYLENE	14 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	2	C032C97201	EPA 8270-M	U	ANTHRACENE	15 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	2	C032C97201	EPA 8270-M	U	BENZ(A)ANTHRACENE	69 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	2	C032C97201	EPA 8270-M	U	BENZO(A)PYRENE	96 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	2	C032C97201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	66 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	2	C032C97201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	85 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	2	C032C97201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	68 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	2	C032C97201	EPA 8270-M	U	CHRYSENE	82 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	2	C032C97201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.9 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	2	C032C97201	EPA 8270-M	U	FLUORANTHENE	200 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	2	C032C97201	EPA 8270-M	U	FLUORENE	2.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	2	C032C97201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	85 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	2	C032C97201	EPA 8270-M	U	NAPHTHALENE	2.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	2	C032C97201	EPA 8270-M	U	PHENANTHRENE	71 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	2	C032C97201	EPA 8270-M	U	PYRENE	240 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	ACENAPHTHENE	54 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	ACENAPHTHYLENE	140 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	ANTHRACENE	200 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	BENZ(A)ANTHRACENE	550 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	BENZO(A)PYRENE	650 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	400 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	520 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	480 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	CHRYSENE	580 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	100 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	FLUORANTHENE	1900 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	FLUORENE	19 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	560 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	NAPHTHALENE	14 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	PHENANTHRENE	920 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	PYRENE	2200 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	2-METHYLNAPHTHALENE	57 UG/KG	U	R	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	ACENAPHTHENE	64 UG/KG	Q	R	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	ACENAPHTHYLENE	150 UG/KG		R	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	ANTHRACENE	220 UG/KG		R	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	BENZ(A)ANTHRACENE	660 UG/KG		J	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	BENZO(A)PYRENE	840 UG/KG		R	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	610 UG/KG		J	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	640 UG/KG		J	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	470 UG/KG		J	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	CHRYSENE	770 UG/KG		J	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	140 UG/KG		R	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	FLUORANTHENE	2000 UG/KG		R	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	FLUORENE	26 UG/KG	J	R	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	610 UG/KG		J	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	NAPHTHALENE	19 UG/KG	J	R	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	PHENANTHRENE	1000 UG/KG		J	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-49	SB	REG	4	C032C97301	EPA 8270-M	U	PYRENE	2200 UG/KG		J	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.67 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	ACENAPHTHYLENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	ANTHRACENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	BENZO(A)PYRENE	3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	CHRYSENE	9.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	FLUORENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	NAPHTHALENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	PHENANTHRENE	1.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	PYRENE	3.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	2-METHYLNAPHTHALENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	ACENAPHTHENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	ACENAPHTHYLENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	ANTHRACENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.5 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	BENZO(A)PYRENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.5 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	CHRYSENE	10 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	FLUORANTHENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	FLUORENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	NAPHTHALENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	PHENANTHRENE	54 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0	C032C77201	EPA 8270-M	U	PYRENE	4.2 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0.5	C032C77301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0.5	C032C77301	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0.5	C032C77301	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0.5	C032C77301	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0.5	C032C77301	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0.5	C032C77301	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0.5	C032C77301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0.5	C032C77301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG			000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0.5	C032C77301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0.5	C032C77301	EPA 8270-M	U	CHRYSENE	3.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0.5	C032C77301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.39 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0.5	C032C77301	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG			000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0.5	C032C77301	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0.5	C032C77301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG			000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0.5	C032C77301	EPA 8270-M	U	NAPHTHALENE	0.36 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0.5	C032C77301	EPA 8270-M	U	PHENANTHRENE	1.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	0.5	C032C77301	EPA 8270-M	U	PYRENE	8.6 UG/KG			000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.51 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	ACENAPHTHENE	0.97 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	ACENAPHTHYLENE	9.5 UG/KG			000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	ANTHRACENE	17 UG/KG			000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	BENZ(A)ANTHRACENE	110 UG/KG			000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	BENZO(A)PYRENE	130 UG/KG			000 REG	5/13/2002	5/14/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	90 UG/KG			000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	99 UG/KG			000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	110 UG/KG			000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	CHRYSENE	120 UG/KG			000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	14 UG/KG			000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	FLUORANTHENE	300 UG/KG	E	R	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	FLUORENE	2.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	100 UG/KG			000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	NAPHTHALENE	3.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	PHENANTHRENE	91 UG/KG			000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	PYRENE	370 UG/KG	E	R	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.5 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	ACENAPHTHYLENE	13 UG/KG		R	DL1 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	ANTHRACENE	28 UG/KG		R	DL1 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	BENZ(A)ANTHRACENE	130 UG/KG		R	DL1 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	BENZO(A)PYRENE	170 UG/KG		R	DL1 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	140 UG/KG		R	DL1 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	84 UG/KG		R	DL1 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	110 UG/KG		R	DL1 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	CHRYSENE	160 UG/KG		R	DL1 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	21 UG/KG		R	DL1 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	FLUORANTHENE	350 UG/KG			DL1 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	FLUORENE	4 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	96 UG/KG		R	DL1 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	NAPHTHALENE	3.8 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	PHENANTHRENE	94 UG/KG		R	DL1 REG	5/13/2002	5/14/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-4A	SB	REG	2	C032C77401	EPA 8270-M	U	PYRENE	440 UG/KG			DL1 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	2-METHYLNAPHTHALENE	12 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	ACENAPHTHENE	12 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	ACENAPHTHYLENE	12 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	ANTHRACENE	12 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	BENZO(A)PYRENE	3.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	CHRYSENE	6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	12 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	FLUORANTHENE	3.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	FLUORENE	12 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	NAPHTHALENE	12 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	PHENANTHRENE	1.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	PYRENE	6.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/22/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	2-METHYLNAPHTHALENE	60 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	ACENAPHTHENE	60 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	ACENAPHTHYLENE	60 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	ANTHRACENE	60 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	BENZ(A)ANTHRACENE	60 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	BENZO(A)PYRENE	60 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	60 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.6 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	60 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	CHRYSENE	5.5 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	60 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	FLUORANTHENE	3.7 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	FLUORENE	60 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	60 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	NAPHTHALENE	60 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	PHENANTHRENE	60 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-4A	SB	REG	4	C032C77501	EPA 8270-M	U	PYRENE	6.8 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-5	SB	FD	4	C032C78001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	FD	4	C032C78001	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	FD	4	C032C78001	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	FD	4	C032C78001	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	FD	4	C032C78001	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	FD	4	C032C78001	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	FD	4	C032C78001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	FD	4	C032C78001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.7 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	FD	4	C032C78001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	FD	4	C032C78001	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	FD	4	C032C78001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	FD	4	C032C78001	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	FD	4	C032C78001	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	FD	4	C032C78001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.3 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	FD	4	C032C78001	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	FD	4	C032C78001	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	UJ	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	FD	4	C032C78001	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	REG	0	C032C77601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0	C032C77601	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-5	SB	REG	0	C032C77601	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0	C032C77601	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0	C032C77601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0	C032C77601	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0	C032C77601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0	C032C77601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0	C032C77601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0	C032C77601	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0	C032C77601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0	C032C77601	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0	C032C77601	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0	C032C77601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0	C032C77601	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0	C032C77601	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0	C032C77601	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0.5	C032C77701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0.5	C032C77701	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0.5	C032C77701	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0.5	C032C77701	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0.5	C032C77701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0.5	C032C77701	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0.5	C032C77701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0.5	C032C77701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0.5	C032C77701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0.5	C032C77701	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0.5	C032C77701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0.5	C032C77701	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-5	SB	REG	0.5	C032C77701	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0.5	C032C77701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0.5	C032C77701	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0.5	C032C77701	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	0.5	C032C77701	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	2	C032C77801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	2	C032C77801	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	2	C032C77801	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	2	C032C77801	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	2	C032C77801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	2	C032C77801	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	2	C032C77801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	2	C032C77801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	2	C032C77801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	2	C032C77801	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	2	C032C77801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	2	C032C77801	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	2	C032C77801	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	2	C032C77801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	2	C032C77801	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	2	C032C77801	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	2	C032C77801	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32EDC-5-5	SB	REG	4	C032C77901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	REG	4	C032C77901	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	REG	4	C032C77901	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	REG	4	C032C77901	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	REG	4	C032C77901	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-5	SB	REG	4	C032C77901	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	REG	4	C032C77901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	REG	4	C032C77901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	REG	4	C032C77901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	REG	4	C032C77901	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	REG	4	C032C77901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	REG	4	C032C77901	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	REG	4	C032C77901	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	REG	4	C032C77901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.94 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	REG	4	C032C77901	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	REG	4	C032C77901	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	UJ	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-5	SB	REG	4	C032C77901	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-5-50	SB	FD	4	C032C97801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	FD	4	C032C97801	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	FD	4	C032C97801	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	FD	4	C032C97801	EPA 8270-M	U	ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	FD	4	C032C97801	EPA 8270-M	U	BENZ(A)ANTHRACENE	12 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	FD	4	C032C97801	EPA 8270-M	U	BENZO(A)PYRENE	23 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	FD	4	C032C97801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	17 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	FD	4	C032C97801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	19 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	FD	4	C032C97801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	13 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	FD	4	C032C97801	EPA 8270-M	U	CHRYSENE	15 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	FD	4	C032C97801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	FD	4	C032C97801	EPA 8270-M	U	FLUORANTHENE	32 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	FD	4	C032C97801	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	FD	4	C032C97801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	17 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	FD	4	C032C97801	EPA 8270-M	U	NAPHTHALENE	3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-50	SB	FD	4	C032C97801	EPA 8270-M	U	PHENANTHRENE	13 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	FD	4	C032C97801	EPA 8270-M	U	PYRENE	46 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0	C032C97401	EPA 8270-M	U	2-METHYLNAPHTHALENE	18 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0	C032C97401	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0	C032C97401	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0	C032C97401	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0	C032C97401	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0	C032C97401	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0	C032C97401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	9.5 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0	C032C97401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.4 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0	C032C97401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0	C032C97401	EPA 8270-M	U	CHRYSENE	19 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0	C032C97401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0	C032C97401	EPA 8270-M	U	FLUORANTHENE	4.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0	C032C97401	EPA 8270-M	U	FLUORENE	2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0	C032C97401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0	C032C97401	EPA 8270-M	U	NAPHTHALENE	44 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0	C032C97401	EPA 8270-M	U	PHENANTHRENE	9.6 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0	C032C97401	EPA 8270-M	U	PYRENE	7.2 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0.5	C032C97501	EPA 8270-M	U	2-METHYLNAPHTHALENE	9.1 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0.5	C032C97501	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0.5	C032C97501	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0.5	C032C97501	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0.5	C032C97501	EPA 8270-M	U	BENZ(A)ANTHRACENE	2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0.5	C032C97501	EPA 8270-M	U	BENZO(A)PYRENE	3.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0.5	C032C97501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0.5	C032C97501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-50	SB	REG	0.5	C032C97501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0.5	C032C97501	EPA 8270-M	U	CHRYSENE	13 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0.5	C032C97501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.6 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0.5	C032C97501	EPA 8270-M	U	FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0.5	C032C97501	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0.5	C032C97501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0.5	C032C97501	EPA 8270-M	U	NAPHTHALENE	20 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0.5	C032C97501	EPA 8270-M	U	PHENANTHRENE	6.6 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	0.5	C032C97501	EPA 8270-M	U	PYRENE	4.3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	2-METHYLNAPHTHALENE	12 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	BENZO(A)PYRENE	17 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	19 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	22 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.6 UG/KG	J	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	CHRYSENE	20 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.1 UG/KG	J	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	FLUORANTHENE	9.5 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	FLUORENE	1.8 UG/KG	J	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	22 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	NAPHTHALENE	28 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	PHENANTHRENE	8.9 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	PYRENE	15 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	2-METHYLNAPHTHALENE	8.6 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	RA0 REG	5/15/2002	5/20/2002	5/21/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	RA0 REG	5/15/2002	5/20/2002	5/21/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	RA0 REG	5/15/2002	5/20/2002	5/21/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/21/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/21/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	12 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/21/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	22 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/21/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.5 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/21/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	CHRYSENE	16 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/21/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.5 UG/KG	J	J	RA0 REG	5/15/2002	5/20/2002	5/21/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	FLUORANTHENE	8.7 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/21/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	RA0 REG	5/15/2002	5/20/2002	5/21/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	17 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/21/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	NAPHTHALENE	23 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/21/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	PHENANTHRENE	7.4 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/21/2002
32EDC-5-50	SB	REG	2	C032C97601	EPA 8270-M	U	PYRENE	18 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/21/2002
32EDC-5-50	SB	REG	4	C032C97701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	4	C032C97701	EPA 8270-M	U	ACENAPHTHENE	2.3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	4	C032C97701	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	4	C032C97701	EPA 8270-M	U	ANTHRACENE	6.5 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	4	C032C97701	EPA 8270-M	U	BENZ(A)ANTHRACENE	33 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	4	C032C97701	EPA 8270-M	U	BENZO(A)PYRENE	68 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	4	C032C97701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	61 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	4	C032C97701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	62 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	4	C032C97701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	16 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	4	C032C97701	EPA 8270-M	U	CHRYSENE	34 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	4	C032C97701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-50	SB	REG	4	C032C97701	EPA 8270-M	U	FLUORANTHENE	91 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	4	C032C97701	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	4	C032C97701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	68 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	4	C032C97701	EPA 8270-M	U	NAPHTHALENE	3.6 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	4	C032C97701	EPA 8270-M	U	PHENANTHRENE	34 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-50	SB	REG	4	C032C97701	EPA 8270-M	U	PYRENE	110 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-51	SB	REG	0	C032C97901	EPA 8270-M	U	2-METHYLNAPHTHALENE	27 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0	C032C97901	EPA 8270-M	U	ACENAPHTHENE	27 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0	C032C97901	EPA 8270-M	U	ACENAPHTHYLENE	27 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0	C032C97901	EPA 8270-M	U	ANTHRACENE	27 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0	C032C97901	EPA 8270-M	U	BENZ(A)ANTHRACENE	9.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0	C032C97901	EPA 8270-M	U	BENZO(A)PYRENE	27 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0	C032C97901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	14 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0	C032C97901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	27 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0	C032C97901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	11 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0	C032C97901	EPA 8270-M	U	CHRYSENE	19 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0	C032C97901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	27 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0	C032C97901	EPA 8270-M	U	FLUORANTHENE	14 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0	C032C97901	EPA 8270-M	U	FLUORENE	27 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0	C032C97901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	27 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0	C032C97901	EPA 8270-M	U	NAPHTHALENE	27 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0	C032C97901	EPA 8270-M	U	PHENANTHRENE	6.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0	C032C97901	EPA 8270-M	U	PYRENE	22 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0.5	C032C98001	EPA 8270-M	U	2-METHYLNAPHTHALENE	57 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0.5	C032C98001	EPA 8270-M	U	ACENAPHTHENE	57 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0.5	C032C98001	EPA 8270-M	U	ACENAPHTHYLENE	57 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0.5	C032C98001	EPA 8270-M	U	ANTHRACENE	57 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-51	SB	REG	0.5	C032C98001	EPA 8270-M	U	BENZ(A)ANTHRACENE	30 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0.5	C032C98001	EPA 8270-M	U	BENZO(A)PYRENE	57 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0.5	C032C98001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	68 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0.5	C032C98001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	64 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0.5	C032C98001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	36 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0.5	C032C98001	EPA 8270-M	U	CHRYSENE	160 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0.5	C032C98001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	57 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0.5	C032C98001	EPA 8270-M	U	FLUORANTHENE	28 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0.5	C032C98001	EPA 8270-M	U	FLUORENE	57 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0.5	C032C98001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	57 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0.5	C032C98001	EPA 8270-M	U	NAPHTHALENE	57 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0.5	C032C98001	EPA 8270-M	U	PHENANTHRENE	57 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	0.5	C032C98001	EPA 8270-M	U	PYRENE	57 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	2	C032C98101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	JB	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-51	SB	REG	2	C032C98101	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-51	SB	REG	2	C032C98101	EPA 8270-M	U	ACENAPHTHYLENE	1.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-51	SB	REG	2	C032C98101	EPA 8270-M	U	ANTHRACENE	1.3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-51	SB	REG	2	C032C98101	EPA 8270-M	U	BENZ(A)ANTHRACENE	18 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-51	SB	REG	2	C032C98101	EPA 8270-M	U	BENZO(A)PYRENE	24 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-51	SB	REG	2	C032C98101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	27 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-51	SB	REG	2	C032C98101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	26 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-51	SB	REG	2	C032C98101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	14 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-51	SB	REG	2	C032C98101	EPA 8270-M	U	CHRYSENE	49 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-51	SB	REG	2	C032C98101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	8.4 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-51	SB	REG	2	C032C98101	EPA 8270-M	U	FLUORANTHENE	27 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-51	SB	REG	2	C032C98101	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-51	SB	REG	2	C032C98101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	23 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-51	SB	REG	2	C032C98101	EPA 8270-M	U	NAPHTHALENE	0.96 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-51	SB	REG	2	C032C98101	EPA 8270-M	U	PHENANTHRENE	11 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-51	SB	REG	2	C032C98101	EPA 8270-M	U	PYRENE	47 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-51	SB	REG	4	C032C98201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	JB	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	4	C032C98201	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	4	C032C98201	EPA 8270-M	U	ACENAPHTHYLENE	4.6 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	4	C032C98201	EPA 8270-M	U	ANTHRACENE	8.6 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	4	C032C98201	EPA 8270-M	U	BENZ(A)ANTHRACENE	26 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	4	C032C98201	EPA 8270-M	U	BENZO(A)PYRENE	46 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	4	C032C98201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	24 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	4	C032C98201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	35 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	4	C032C98201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	37 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	4	C032C98201	EPA 8270-M	U	CHRYSENE	30 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	4	C032C98201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.1 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	4	C032C98201	EPA 8270-M	U	FLUORANTHENE	55 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	4	C032C98201	EPA 8270-M	U	FLUORENE	1.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	4	C032C98201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	36 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	4	C032C98201	EPA 8270-M	U	NAPHTHALENE	2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	4	C032C98201	EPA 8270-M	U	PHENANTHRENE	34 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-51	SB	REG	4	C032C98201	EPA 8270-M	U	PYRENE	73 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-52	SB	REG	0	C032C98301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0	C032C98301	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0	C032C98301	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0	C032C98301	EPA 8270-M	U	ANTHRACENE	1.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0	C032C98301	EPA 8270-M	U	BENZ(A)ANTHRACENE	9.6 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0	C032C98301	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0	C032C98301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	13 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-52	SB	REG	0	C032C98301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	15 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0	C032C98301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	11 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0	C032C98301	EPA 8270-M	U	CHRYSENE	13 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0	C032C98301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0	C032C98301	EPA 8270-M	U	FLUORANTHENE	16 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0	C032C98301	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0	C032C98301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	13 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0	C032C98301	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0	C032C98301	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0	C032C98301	EPA 8270-M	U	PYRENE	21 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0.5	C032C98401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0.5	C032C98401	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0.5	C032C98401	EPA 8270-M	U	ACENAPHTHYLENE	3.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0.5	C032C98401	EPA 8270-M	U	ANTHRACENE	2.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0.5	C032C98401	EPA 8270-M	U	BENZ(A)ANTHRACENE	20 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0.5	C032C98401	EPA 8270-M	U	BENZO(A)PYRENE	34 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0.5	C032C98401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	24 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0.5	C032C98401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	34 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0.5	C032C98401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	20 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0.5	C032C98401	EPA 8270-M	U	CHRYSENE	21 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0.5	C032C98401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0.5	C032C98401	EPA 8270-M	U	FLUORANTHENE	47 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0.5	C032C98401	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0.5	C032C98401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	25 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0.5	C032C98401	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0.5	C032C98401	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	0.5	C032C98401	EPA 8270-M	U	PYRENE	64 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002

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Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-52	SB	REG	2	C032C98501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	2	C032C98501	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	2	C032C98501	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	2	C032C98501	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	2	C032C98501	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.1 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	2	C032C98501	EPA 8270-M	U	BENZO(A)PYRENE	17 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	2	C032C98501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	11 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	2	C032C98501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	19 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	2	C032C98501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9.1 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	2	C032C98501	EPA 8270-M	U	CHRYSENE	10 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	2	C032C98501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	2	C032C98501	EPA 8270-M	U	FLUORANTHENE	17 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	2	C032C98501	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	2	C032C98501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	14 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	2	C032C98501	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	2	C032C98501	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	2	C032C98501	EPA 8270-M	U	PYRENE	24 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	4	C032C98601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	4	C032C98601	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	4	C032C98601	EPA 8270-M	U	ACENAPHTHYLENE	3.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	4	C032C98601	EPA 8270-M	U	ANTHRACENE	11 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	4	C032C98601	EPA 8270-M	U	BENZ(A)ANTHRACENE	35 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	4	C032C98601	EPA 8270-M	U	BENZO(A)PYRENE	59 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	4	C032C98601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	37 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	4	C032C98601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	50 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	4	C032C98601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	32 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	4	C032C98601	EPA 8270-M	U	CHRYSENE	41 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-52	SB	REG	4	C032C98601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	4	C032C98601	EPA 8270-M	U	FLUORANTHENE	94 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	4	C032C98601	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	4	C032C98601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	37 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	4	C032C98601	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	4	C032C98601	EPA 8270-M	U	PHENANTHRENE	3.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-52	SB	REG	4	C032C98601	EPA 8270-M	U	PYRENE	130 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	FD	0.5	C032C98901	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	FD	0.5	C032C98901	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	FD	0.5	C032C98901	EPA 8270-M	U	ACENAPHTHYLENE	1.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	FD	0.5	C032C98901	EPA 8270-M	U	ANTHRACENE	1.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	FD	0.5	C032C98901	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	FD	0.5	C032C98901	EPA 8270-M	U	BENZO(A)PYRENE	22 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	FD	0.5	C032C98901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	17 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	FD	0.5	C032C98901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	21 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	FD	0.5	C032C98901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	18 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	FD	0.5	C032C98901	EPA 8270-M	U	CHRYSENE	15 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	FD	0.5	C032C98901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	FD	0.5	C032C98901	EPA 8270-M	U	FLUORANTHENE	22 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	FD	0.5	C032C98901	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	FD	0.5	C032C98901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	20 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	FD	0.5	C032C98901	EPA 8270-M	U	NAPHTHALENE	1.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	FD	0.5	C032C98901	EPA 8270-M	U	PHENANTHRENE	9 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	FD	0.5	C032C98901	EPA 8270-M	U	PYRENE	28 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0	C032C98701	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0	C032C98701	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0	C032C98701	EPA 8270-M	U	ACENAPHTHYLENE	1.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-53	SB	REG	0	C032C98701	EPA 8270-M	U	ANTHRACENE	1.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0	C032C98701	EPA 8270-M	U	BENZ(A)ANTHRACENE	12 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0	C032C98701	EPA 8270-M	U	BENZO(A)PYRENE	20 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0	C032C98701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	21 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0	C032C98701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	23 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0	C032C98701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	17 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0	C032C98701	EPA 8270-M	U	CHRYSENE	20 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0	C032C98701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0	C032C98701	EPA 8270-M	U	FLUORANTHENE	23 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0	C032C98701	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0	C032C98701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	21 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0	C032C98701	EPA 8270-M	U	NAPHTHALENE	1.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0	C032C98701	EPA 8270-M	U	PHENANTHRENE	12 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0	C032C98701	EPA 8270-M	U	PYRENE	27 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0.5	C032C98801	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0.5	C032C98801	EPA 8270-M	U	ACENAPHTHENE	7 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0.5	C032C98801	EPA 8270-M	U	ACENAPHTHYLENE	2.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0.5	C032C98801	EPA 8270-M	U	ANTHRACENE	3.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0.5	C032C98801	EPA 8270-M	U	BENZ(A)ANTHRACENE	20 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0.5	C032C98801	EPA 8270-M	U	BENZO(A)PYRENE	34 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0.5	C032C98801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	27 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0.5	C032C98801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	33 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0.5	C032C98801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	25 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0.5	C032C98801	EPA 8270-M	U	CHRYSENE	22 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0.5	C032C98801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0.5	C032C98801	EPA 8270-M	U	FLUORANTHENE	65 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0.5	C032C98801	EPA 8270-M	U	FLUORENE	1.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-53	SB	REG	0.5	C032C98801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	32 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0.5	C032C98801	EPA 8270-M	U	NAPHTHALENE	5.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0.5	C032C98801	EPA 8270-M	U	PHENANTHRENE	51 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	0.5	C032C98801	EPA 8270-M	U	PYRENE	76 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	2-METHYLNAPHTHALENE	2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	ACENAPHTHENE	3.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	ACENAPHTHYLENE	23 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	ANTHRACENE	30 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	BENZ(A)ANTHRACENE	120 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	BENZO(A)PYRENE	170 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	110 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	130 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	130 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	CHRYSENE	130 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	19 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	FLUORANTHENE	280 UG/KG	E	R	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	FLUORENE	9.4 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	140 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	PHENANTHRENE	160 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	PYRENE	360 UG/KG	E	R	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.9 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	ACENAPHTHENE	3 UG/KG	JG	R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	ACENAPHTHYLENE	26 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	ANTHRACENE	47 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	BENZ(A)ANTHRACENE	120 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	BENZO(A)PYRENE	180 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	130 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	82 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	120 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	CHRYSENE	150 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	18 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	FLUORANTHENE	320 UG/KG			DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	FLUORENE	11 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	92 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	PHENANTHRENE	170 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-53	SB	REG	2	C032C99001	EPA 8270-M	U	PYRENE	410 UG/KG			DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-53	SB	REG	4	C032C99101	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	4	C032C99101	EPA 8270-M	U	ACENAPHTHENE	2.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	4	C032C99101	EPA 8270-M	U	ACENAPHTHYLENE	6.9 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	4	C032C99101	EPA 8270-M	U	ANTHRACENE	7.6 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	4	C032C99101	EPA 8270-M	U	BENZ(A)ANTHRACENE	52 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	4	C032C99101	EPA 8270-M	U	BENZO(A)PYRENE	110 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	4	C032C99101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	71 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	4	C032C99101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	120 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	4	C032C99101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	75 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	4	C032C99101	EPA 8270-M	U	CHRYSENE	67 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	4	C032C99101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	12 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	4	C032C99101	EPA 8270-M	U	FLUORANTHENE	120 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	4	C032C99101	EPA 8270-M	U	FLUORENE	1.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	4	C032C99101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	110 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	4	C032C99101	EPA 8270-M	U	NAPHTHALENE	6.7 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-53	SB	REG	4	C032C99101	EPA 8270-M	U	PHENANTHRENE	38 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-53	SB	REG	4	C032C99101	EPA 8270-M	U	PYRENE	160 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32EDC-5-54	SB	REG	0	C032C99201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0	C032C99201	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0	C032C99201	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0	C032C99201	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0	C032C99201	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.35 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0	C032C99201	EPA 8270-M	U	BENZO(A)PYRENE	0.62 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0	C032C99201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.67 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0	C032C99201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0	C032C99201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.45 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0	C032C99201	EPA 8270-M	U	CHRYSENE	0.72 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0	C032C99201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0	C032C99201	EPA 8270-M	U	FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0	C032C99201	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0	C032C99201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.86 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0	C032C99201	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0	C032C99201	EPA 8270-M	U	PHENANTHRENE	1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0	C032C99201	EPA 8270-M	U	PYRENE	1.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0.5	C032C99301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0.5	C032C99301	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0.5	C032C99301	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0.5	C032C99301	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0.5	C032C99301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0.5	C032C99301	EPA 8270-M	U	BENZO(A)PYRENE	0.98 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0.5	C032C99301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0.5	C032C99301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0.5	C032C99301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.97 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-54	SB	REG	0.5	C032C99301	EPA 8270-M	U	CHRYSENE	2.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0.5	C032C99301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0.5	C032C99301	EPA 8270-M	U	FLUORANTHENE	4.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0.5	C032C99301	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0.5	C032C99301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0.5	C032C99301	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0.5	C032C99301	EPA 8270-M	U	PHENANTHRENE	2.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	0.5	C032C99301	EPA 8270-M	U	PYRENE	3.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	2	C032C99401	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	2	C032C99401	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	2	C032C99401	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	2	C032C99401	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	2	C032C99401	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	2	C032C99401	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	2	C032C99401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	2	C032C99401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.41 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	2	C032C99401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	2	C032C99401	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	2	C032C99401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	2	C032C99401	EPA 8270-M	U	FLUORANTHENE	0.52 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	2	C032C99401	EPA 8270-M	U	FLUORENE	6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	2	C032C99401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	2	C032C99401	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	2	C032C99401	EPA 8270-M	U	PHENANTHRENE	0.54 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	2	C032C99401	EPA 8270-M	U	PYRENE	0.53 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-5-54	SB	REG	4	C032C99501	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-54	SB	REG	4	C032C99501	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-54	SB	REG	4	C032C99501	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-54	SB	REG	4	C032C99501	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-54	SB	REG	4	C032C99501	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-54	SB	REG	4	C032C99501	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-54	SB	REG	4	C032C99501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-54	SB	REG	4	C032C99501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-54	SB	REG	4	C032C99501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-54	SB	REG	4	C032C99501	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-54	SB	REG	4	C032C99501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-54	SB	REG	4	C032C99501	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-54	SB	REG	4	C032C99501	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-54	SB	REG	4	C032C99501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-54	SB	REG	4	C032C99501	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-54	SB	REG	4	C032C99501	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-54	SB	REG	4	C032C99501	EPA 8270-M	U	PYRENE	2.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32EDC-5-55	SB	FD	4	C032C00001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	FD	4	C032C00001	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	FD	4	C032C00001	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	FD	4	C032C00001	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	FD	4	C032C00001	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.47 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	FD	4	C032C00001	EPA 8270-M	U	BENZO(A)PYRENE	1.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	FD	4	C032C00001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.72 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	FD	4	C032C00001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	FD	4	C032C00001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	FD	4	C032C00001	EPA 8270-M	U	CHRYSENE	0.65 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	FD	4	C032C00001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	FD	4	C032C00001	EPA 8270-M	U	FLUORANTHENE	0.65 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-55	SB	FD	4	C032C00001	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	FD	4	C032C00001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	FD	4	C032C00001	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	FD	4	C032C00001	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	FD	4	C032C00001	EPA 8270-M	U	PYRENE	1.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0	C032C99601	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0	C032C99601	EPA 8270-M	U	ACENAPHTHENE	1.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0	C032C99601	EPA 8270-M	U	ACENAPHTHYLENE	4.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0	C032C99601	EPA 8270-M	U	ANTHRACENE	10 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0	C032C99601	EPA 8270-M	U	BENZ(A)ANTHRACENE	32 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0	C032C99601	EPA 8270-M	U	BENZO(A)PYRENE	52 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0	C032C99601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	41 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0	C032C99601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	53 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0	C032C99601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	72 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0	C032C99601	EPA 8270-M	U	CHRYSENE	51 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0	C032C99601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	16 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0	C032C99601	EPA 8270-M	U	FLUORANTHENE	47 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0	C032C99601	EPA 8270-M	U	FLUORENE	1.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0	C032C99601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	54 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0	C032C99601	EPA 8270-M	U	NAPHTHALENE	1.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0	C032C99601	EPA 8270-M	U	PHENANTHRENE	32 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0	C032C99601	EPA 8270-M	U	PYRENE	59 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0.5	C032C99701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0.5	C032C99701	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0.5	C032C99701	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0.5	C032C99701	EPA 8270-M	U	ANTHRACENE	0.52 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0.5	C032C99701	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-55	SB	REG	0.5	C032C99701	EPA 8270-M	U	BENZO(A)PYRENE	4.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0.5	C032C99701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0.5	C032C99701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0.5	C032C99701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0.5	C032C99701	EPA 8270-M	U	CHRYSENE	3.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0.5	C032C99701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0.5	C032C99701	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0.5	C032C99701	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0.5	C032C99701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0.5	C032C99701	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0.5	C032C99701	EPA 8270-M	U	PHENANTHRENE	2.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	0.5	C032C99701	EPA 8270-M	U	PYRENE	7.6 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	2	C032C99801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	2	C032C99801	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	2	C032C99801	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	2	C032C99801	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	2	C032C99801	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.47 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	2	C032C99801	EPA 8270-M	U	BENZO(A)PYRENE	0.99 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	2	C032C99801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	2	C032C99801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	2	C032C99801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	2	C032C99801	EPA 8270-M	U	CHRYSENE	0.74 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	2	C032C99801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	2	C032C99801	EPA 8270-M	U	FLUORANTHENE	0.72 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	2	C032C99801	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	2	C032C99801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	2	C032C99801	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-55	SB	REG	2	C032C99801	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	2	C032C99801	EPA 8270-M	U	PYRENE	1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	4	C032C99901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	4	C032C99901	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	4	C032C99901	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	4	C032C99901	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	4	C032C99901	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.37 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	4	C032C99901	EPA 8270-M	U	BENZO(A)PYRENE	0.89 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	4	C032C99901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.69 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	4	C032C99901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	4	C032C99901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.82 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	4	C032C99901	EPA 8270-M	U	CHRYSENE	0.56 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	4	C032C99901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	4	C032C99901	EPA 8270-M	U	FLUORANTHENE	0.51 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	4	C032C99901	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	4	C032C99901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	4	C032C99901	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	4	C032C99901	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-55	SB	REG	4	C032C99901	EPA 8270-M	U	PYRENE	0.89 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-56	SB	REG	0	C032CA0101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0	C032CA0101	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0	C032CA0101	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0	C032CA0101	EPA 8270-M	U	ANTHRACENE	1.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0	C032CA0101	EPA 8270-M	U	BENZ(A)ANTHRACENE	15 UG/KG	B	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0	C032CA0101	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0	C032CA0101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	13 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0	C032CA0101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	11 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-56	SB	REG	0	C032CA0101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	15 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0	C032CA0101	EPA 8270-M	U	CHRYSENE	18 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0	C032CA0101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0	C032CA0101	EPA 8270-M	U	FLUORANTHENE	25 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0	C032CA0101	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0	C032CA0101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	13 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0	C032CA0101	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0	C032CA0101	EPA 8270-M	U	PHENANTHRENE	8.5 UG/KG	B	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0	C032CA0101	EPA 8270-M	U	PYRENE	26 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0.5	C032CA0201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0.5	C032CA0201	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0.5	C032CA0201	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0.5	C032CA0201	EPA 8270-M	U	ANTHRACENE	1.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0.5	C032CA0201	EPA 8270-M	U	BENZ(A)ANTHRACENE	27 UG/KG	B	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0.5	C032CA0201	EPA 8270-M	U	BENZO(A)PYRENE	25 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0.5	C032CA0201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	22 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0.5	C032CA0201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	17 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0.5	C032CA0201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	24 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0.5	C032CA0201	EPA 8270-M	U	CHRYSENE	32 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0.5	C032CA0201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0.5	C032CA0201	EPA 8270-M	U	FLUORANTHENE	27 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0.5	C032CA0201	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0.5	C032CA0201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	18 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0.5	C032CA0201	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0.5	C032CA0201	EPA 8270-M	U	PHENANTHRENE	5.1 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	0.5	C032CA0201	EPA 8270-M	U	PYRENE	35 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	2	C032CA0301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-56	SB	REG	2	C032CA0301	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	2	C032CA0301	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	2	C032CA0301	EPA 8270-M	U	ANTHRACENE	0.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	2	C032CA0301	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.1 UG/KG	B	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	2	C032CA0301	EPA 8270-M	U	BENZO(A)PYRENE	9.3 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	2	C032CA0301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.5 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	2	C032CA0301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.2 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	2	C032CA0301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9.3 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	2	C032CA0301	EPA 8270-M	U	CHRYSENE	9.5 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	2	C032CA0301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	2	C032CA0301	EPA 8270-M	U	FLUORANTHENE	12 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	2	C032CA0301	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	2	C032CA0301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.3 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	2	C032CA0301	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	2	C032CA0301	EPA 8270-M	U	PHENANTHRENE	4.8 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	2	C032CA0301	EPA 8270-M	U	PYRENE	13 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	4	C032CA0401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	4	C032CA0401	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	4	C032CA0401	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	4	C032CA0401	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	4	C032CA0401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	JB	UJ	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	4	C032CA0401	EPA 8270-M	U	BENZO(A)PYRENE	3.3 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	4	C032CA0401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	4	C032CA0401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	4	C032CA0401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	4	C032CA0401	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	4	C032CA0401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-56	SB	REG	4	C032CA0401	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	4	C032CA0401	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	4	C032CA0401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	4	C032CA0401	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	4	C032CA0401	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	JB	UJ	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-56	SB	REG	4	C032CA0401	EPA 8270-M	U	PYRENE	5.8 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0	C032CA0501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0	C032CA0501	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0	C032CA0501	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0	C032CA0501	EPA 8270-M	U	ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0	C032CA0501	EPA 8270-M	U	BENZ(A)ANTHRACENE	16 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0	C032CA0501	EPA 8270-M	U	BENZO(A)PYRENE	27 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0	C032CA0501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	23 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0	C032CA0501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	42 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0	C032CA0501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	16 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0	C032CA0501	EPA 8270-M	U	CHRYSENE	36 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0	C032CA0501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0	C032CA0501	EPA 8270-M	U	FLUORANTHENE	28 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0	C032CA0501	EPA 8270-M	U	FLUORENE	1.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0	C032CA0501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	32 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0	C032CA0501	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0	C032CA0501	EPA 8270-M	U	PHENANTHRENE	23 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0	C032CA0501	EPA 8270-M	U	PYRENE	43 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0.5	C032CA0601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0.5	C032CA0601	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0.5	C032CA0601	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0.5	C032CA0601	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-57	SB	REG	0.5	C032CA0601	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0.5	C032CA0601	EPA 8270-M	U	BENZO(A)PYRENE	2.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0.5	C032CA0601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0.5	C032CA0601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0.5	C032CA0601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0.5	C032CA0601	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0.5	C032CA0601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0.5	C032CA0601	EPA 8270-M	U	FLUORANTHENE	2.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0.5	C032CA0601	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0.5	C032CA0601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0.5	C032CA0601	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0.5	C032CA0601	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	0.5	C032CA0601	EPA 8270-M	U	PYRENE	3.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	2	C032CA0701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	2	C032CA0701	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	2	C032CA0701	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	2	C032CA0701	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	2	C032CA0701	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	2	C032CA0701	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	2	C032CA0701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	2	C032CA0701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.4 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	2	C032CA0701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	2	C032CA0701	EPA 8270-M	U	CHRYSENE	6 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	2	C032CA0701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	2	C032CA0701	EPA 8270-M	U	FLUORANTHENE	4.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	2	C032CA0701	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	2	C032CA0701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.5 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-57	SB	REG	2	C032CA0701	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	2	C032CA0701	EPA 8270-M	U	PHENANTHRENE	3.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	2	C032CA0701	EPA 8270-M	U	PYRENE	6.7 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	4	C032CA0801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	4	C032CA0801	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	4	C032CA0801	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	4	C032CA0801	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	4	C032CA0801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	4	C032CA0801	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	4	C032CA0801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	4	C032CA0801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	4	C032CA0801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	4	C032CA0801	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	4	C032CA0801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	4	C032CA0801	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	4	C032CA0801	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	4	C032CA0801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	4	C032CA0801	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	4	C032CA0801	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-57	SB	REG	4	C032CA0801	EPA 8270-M	U	PYRENE	2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-58	SB	FD	0.5	C032CA1101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	FD	0.5	C032CA1101	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	FD	0.5	C032CA1101	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	FD	0.5	C032CA1101	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	FD	0.5	C032CA1101	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.58 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	FD	0.5	C032CA1101	EPA 8270-M	U	BENZO(A)PYRENE	1.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	FD	0.5	C032CA1101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.95 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-58	SB	FD	0.5	C032CA1101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	FD	0.5	C032CA1101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.72 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	FD	0.5	C032CA1101	EPA 8270-M	U	CHRYSENE	0.68 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	FD	0.5	C032CA1101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	FD	0.5	C032CA1101	EPA 8270-M	U	FLUORANTHENE	0.86 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	FD	0.5	C032CA1101	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	FD	0.5	C032CA1101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	FD	0.5	C032CA1101	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	FD	0.5	C032CA1101	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	FD	0.5	C032CA1101	EPA 8270-M	U	PYRENE	1.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	0	C032CA0901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0	C032CA0901	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0	C032CA0901	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0	C032CA0901	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0	C032CA0901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0	C032CA0901	EPA 8270-M	U	BENZO(A)PYRENE	0.44 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0	C032CA0901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0	C032CA0901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.61 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0	C032CA0901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0	C032CA0901	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0	C032CA0901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0	C032CA0901	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0	C032CA0901	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0	C032CA0901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.61 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0	C032CA0901	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0	C032CA0901	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0	C032CA0901	EPA 8270-M	U	PYRENE	0.45 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-58	SB	REG	0.5	C032CA1001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0.5	C032CA1001	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0.5	C032CA1001	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0.5	C032CA1001	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0.5	C032CA1001	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.56 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0.5	C032CA1001	EPA 8270-M	U	BENZO(A)PYRENE	1.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0.5	C032CA1001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0.5	C032CA1001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0.5	C032CA1001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.69 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0.5	C032CA1001	EPA 8270-M	U	CHRYSENE	0.68 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0.5	C032CA1001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0.5	C032CA1001	EPA 8270-M	U	FLUORANTHENE	0.93 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0.5	C032CA1001	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0.5	C032CA1001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0.5	C032CA1001	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0.5	C032CA1001	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	0.5	C032CA1001	EPA 8270-M	U	PYRENE	1.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-58	SB	REG	2	C032CA1201	EPA 8270-M	U	2-METHYLNAPHTHALENE	31 UG/KG			000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	2	C032CA1201	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	2	C032CA1201	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	2	C032CA1201	EPA 8270-M	U	ANTHRACENE	0.46 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	2	C032CA1201	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	2	C032CA1201	EPA 8270-M	U	BENZO(A)PYRENE	2.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	2	C032CA1201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	2	C032CA1201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	2	C032CA1201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	2	C032CA1201	EPA 8270-M	U	CHRYSENE	14 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-58	SB	REG	2	C032CA1201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	2	C032CA1201	EPA 8270-M	U	FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	2	C032CA1201	EPA 8270-M	U	FLUORENE	3.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	2	C032CA1201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	2	C032CA1201	EPA 8270-M	U	NAPHTHALENE	31 UG/KG			000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	2	C032CA1201	EPA 8270-M	U	PHENANTHRENE	9.9 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	2	C032CA1201	EPA 8270-M	U	PYRENE	3.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	4	C032CA1301	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.52 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	4	C032CA1301	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	4	C032CA1301	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	4	C032CA1301	EPA 8270-M	U	ANTHRACENE	1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	4	C032CA1301	EPA 8270-M	U	BENZ(A)ANTHRACENE	12 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	4	C032CA1301	EPA 8270-M	U	BENZO(A)PYRENE	21 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	4	C032CA1301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	12 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	4	C032CA1301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	24 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	4	C032CA1301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	13 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	4	C032CA1301	EPA 8270-M	U	CHRYSENE	13 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	4	C032CA1301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	4	C032CA1301	EPA 8270-M	U	FLUORANTHENE	20 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	4	C032CA1301	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	4	C032CA1301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	26 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	4	C032CA1301	EPA 8270-M	U	NAPHTHALENE	0.76 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	4	C032CA1301	EPA 8270-M	U	PHENANTHRENE	3.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-58	SB	REG	4	C032CA1301	EPA 8270-M	U	PYRENE	31 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-5-59	SB	REG	0	C032CA1401	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.32 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0	C032CA1401	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0	C032CA1401	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-59	SB	REG	0	C032CA1401	EPA 8270-M	U	ANTHRACENE	0.76 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0	C032CA1401	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0	C032CA1401	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0	C032CA1401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.1 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0	C032CA1401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0	C032CA1401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0	C032CA1401	EPA 8270-M	U	CHRYSENE	7.6 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0	C032CA1401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0	C032CA1401	EPA 8270-M	U	FLUORANTHENE	11 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0	C032CA1401	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0	C032CA1401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0	C032CA1401	EPA 8270-M	U	NAPHTHALENE	0.36 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0	C032CA1401	EPA 8270-M	U	PHENANTHRENE	5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0	C032CA1401	EPA 8270-M	U	PYRENE	14 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0.5	C032CA1501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0.5	C032CA1501	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0.5	C032CA1501	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0.5	C032CA1501	EPA 8270-M	U	ANTHRACENE	0.53 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0.5	C032CA1501	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0.5	C032CA1501	EPA 8270-M	U	BENZO(A)PYRENE	2.3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0.5	C032CA1501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0.5	C032CA1501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0.5	C032CA1501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0.5	C032CA1501	EPA 8270-M	U	CHRYSENE	2.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0.5	C032CA1501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.53 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0.5	C032CA1501	EPA 8270-M	U	FLUORANTHENE	6 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0.5	C032CA1501	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002

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Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-59	SB	REG	0.5	C032CA1501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0.5	C032CA1501	EPA 8270-M	U	NAPHTHALENE	0.33 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0.5	C032CA1501	EPA 8270-M	U	PHENANTHRENE	5.1 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	0.5	C032CA1501	EPA 8270-M	U	PYRENE	7.4 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	2	C032CA1601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	2	C032CA1601	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	2	C032CA1601	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	2	C032CA1601	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	2	C032CA1601	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	2	C032CA1601	EPA 8270-M	U	BENZO(A)PYRENE	2.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	2	C032CA1601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	2	C032CA1601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	2	C032CA1601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	2	C032CA1601	EPA 8270-M	U	CHRYSENE	3.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	2	C032CA1601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.44 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	2	C032CA1601	EPA 8270-M	U	FLUORANTHENE	4.6 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	2	C032CA1601	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	2	C032CA1601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	2	C032CA1601	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	2	C032CA1601	EPA 8270-M	U	PHENANTHRENE	2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	2	C032CA1601	EPA 8270-M	U	PYRENE	6.1 UG/KG			000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	4	C032CA1701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	4	C032CA1701	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	4	C032CA1701	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	4	C032CA1701	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	4	C032CA1701	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.84 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	4	C032CA1701	EPA 8270-M	U	BENZO(A)PYRENE	1.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-59	SB	REG	4	C032CA1701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.88 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	4	C032CA1701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	4	C032CA1701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	4	C032CA1701	EPA 8270-M	U	CHRYSENE	1.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	4	C032CA1701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.26 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	4	C032CA1701	EPA 8270-M	U	FLUORANTHENE	3.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	4	C032CA1701	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	4	C032CA1701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	4	C032CA1701	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	4	C032CA1701	EPA 8270-M	U	PHENANTHRENE	0.92 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-59	SB	REG	4	C032CA1701	EPA 8270-M	U	PYRENE	3.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-6	SB	REG	0	C032C78101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/20/2002
32EDC-5-6	SB	REG	0	C032C78101	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/20/2002
32EDC-5-6	SB	REG	0	C032C78101	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/20/2002
32EDC-5-6	SB	REG	0	C032C78101	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/20/2002
32EDC-5-6	SB	REG	0	C032C78101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/20/2002
32EDC-5-6	SB	REG	0	C032C78101	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/20/2002
32EDC-5-6	SB	REG	0	C032C78101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/20/2002
32EDC-5-6	SB	REG	0	C032C78101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.48 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/20/2002
32EDC-5-6	SB	REG	0	C032C78101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/20/2002
32EDC-5-6	SB	REG	0	C032C78101	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/20/2002
32EDC-5-6	SB	REG	0	C032C78101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/20/2002
32EDC-5-6	SB	REG	0	C032C78101	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/20/2002
32EDC-5-6	SB	REG	0	C032C78101	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/20/2002
32EDC-5-6	SB	REG	0	C032C78101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/20/2002
32EDC-5-6	SB	REG	0	C032C78101	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/20/2002
32EDC-5-6	SB	REG	0	C032C78101	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/20/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-6	SB	REG	0	C032C78101	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/20/2002
32EDC-5-6	SB	REG	0.5	C032C78201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	0.5	C032C78201	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	0.5	C032C78201	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	0.5	C032C78201	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	0.5	C032C78201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	0.5	C032C78201	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	0.5	C032C78201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	0.5	C032C78201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.48 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	0.5	C032C78201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	0.5	C032C78201	EPA 8270-M	U	CHRYSENE	5.5 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	0.5	C032C78201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	0.5	C032C78201	EPA 8270-M	U	FLUORANTHENE	0.62 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	0.5	C032C78201	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	0.5	C032C78201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	0.5	C032C78201	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	0.5	C032C78201	EPA 8270-M	U	PHENANTHRENE	0.41 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	0.5	C032C78201	EPA 8270-M	U	PYRENE	0.7 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	2	C032C78301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	2	C032C78301	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	2	C032C78301	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	2	C032C78301	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	2	C032C78301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	2	C032C78301	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	2	C032C78301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	2	C032C78301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.58 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	2	C032C78301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-6	SB	REG	2	C032C78301	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	2	C032C78301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	2	C032C78301	EPA 8270-M	U	FLUORANTHENE	0.53 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	2	C032C78301	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	2	C032C78301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	2	C032C78301	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	2	C032C78301	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	2	C032C78301	EPA 8270-M	U	PYRENE	0.75 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	4	C032C78401	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	4	C032C78401	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	4	C032C78401	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	4	C032C78401	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	4	C032C78401	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	4	C032C78401	EPA 8270-M	U	BENZO(A)PYRENE	0.5 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	4	C032C78401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	4	C032C78401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.81 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	4	C032C78401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	4	C032C78401	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	4	C032C78401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	4	C032C78401	EPA 8270-M	U	FLUORANTHENE	0.37 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	4	C032C78401	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	4	C032C78401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	4	C032C78401	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	4	C032C78401	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-6	SB	REG	4	C032C78401	EPA 8270-M	U	PYRENE	1.1 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-5-60	SB	FD	4	C032CA2201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	FD	4	C032CA2201	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-60	SB	FD	4	C032CA2201	EPA 8270-M	U	ACENAPHTHYLENE	4.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	FD	4	C032CA2201	EPA 8270-M	U	ANTHRACENE	11 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	FD	4	C032CA2201	EPA 8270-M	U	BENZ(A)ANTHRACENE	38 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	FD	4	C032CA2201	EPA 8270-M	U	BENZO(A)PYRENE	72 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	FD	4	C032CA2201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	47 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	FD	4	C032CA2201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	62 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	FD	4	C032CA2201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	45 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	FD	4	C032CA2201	EPA 8270-M	U	CHRYSENE	45 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	FD	4	C032CA2201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	FD	4	C032CA2201	EPA 8270-M	U	FLUORANTHENE	110 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	FD	4	C032CA2201	EPA 8270-M	U	FLUORENE	3.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	FD	4	C032CA2201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	57 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	FD	4	C032CA2201	EPA 8270-M	U	NAPHTHALENE	6.5 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	FD	4	C032CA2201	EPA 8270-M	U	PHENANTHRENE	61 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	FD	4	C032CA2201	EPA 8270-M	U	PYRENE	140 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0	C032CA1801	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0	C032CA1801	EPA 8270-M	U	ACENAPHTHENE	3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0	C032CA1801	EPA 8270-M	U	ACENAPHTHYLENE	6.4 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0	C032CA1801	EPA 8270-M	U	ANTHRACENE	8.7 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0	C032CA1801	EPA 8270-M	U	BENZ(A)ANTHRACENE	66 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0	C032CA1801	EPA 8270-M	U	BENZO(A)PYRENE	91 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0	C032CA1801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	78 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0	C032CA1801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	66 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0	C032CA1801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	85 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0	C032CA1801	EPA 8270-M	U	CHRYSENE	96 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0	C032CA1801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	12 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0	C032CA1801	EPA 8270-M	U	FLUORANTHENE	150 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-60	SB	REG	0	C032CA1801	EPA 8270-M	U	FLUORENE	3.3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0	C032CA1801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	68 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0	C032CA1801	EPA 8270-M	U	NAPHTHALENE	4.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0	C032CA1801	EPA 8270-M	U	PHENANTHRENE	77 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0	C032CA1801	EPA 8270-M	U	PYRENE	170 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0.5	C032CA1901	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0.5	C032CA1901	EPA 8270-M	U	ACENAPHTHENE	6.4 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0.5	C032CA1901	EPA 8270-M	U	ACENAPHTHYLENE	16 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0.5	C032CA1901	EPA 8270-M	U	ANTHRACENE	23 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0.5	C032CA1901	EPA 8270-M	U	BENZ(A)ANTHRACENE	100 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0.5	C032CA1901	EPA 8270-M	U	BENZO(A)PYRENE	120 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0.5	C032CA1901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	110 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0.5	C032CA1901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	120 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0.5	C032CA1901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	100 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0.5	C032CA1901	EPA 8270-M	U	CHRYSENE	110 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0.5	C032CA1901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	14 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0.5	C032CA1901	EPA 8270-M	U	FLUORANTHENE	270 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0.5	C032CA1901	EPA 8270-M	U	FLUORENE	4.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0.5	C032CA1901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	110 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0.5	C032CA1901	EPA 8270-M	U	NAPHTHALENE	11 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0.5	C032CA1901	EPA 8270-M	U	PHENANTHRENE	140 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	0.5	C032CA1901	EPA 8270-M	U	PYRENE	370 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	2	C032CA2001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	2	C032CA2001	EPA 8270-M	U	ACENAPHTHENE	2.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	2	C032CA2001	EPA 8270-M	U	ACENAPHTHYLENE	2.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	2	C032CA2001	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	2	C032CA2001	EPA 8270-M	U	BENZ(A)ANTHRACENE	26 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-60	SB	REG	2	C032CA2001	EPA 8270-M	U	BENZO(A)PYRENE	28 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	2	C032CA2001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	27 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	2	C032CA2001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	25 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	2	C032CA2001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	31 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	2	C032CA2001	EPA 8270-M	U	CHRYSENE	36 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	2	C032CA2001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	2	C032CA2001	EPA 8270-M	U	FLUORANTHENE	76 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	2	C032CA2001	EPA 8270-M	U	FLUORENE	2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	2	C032CA2001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	24 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	2	C032CA2001	EPA 8270-M	U	NAPHTHALENE	1.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	2	C032CA2001	EPA 8270-M	U	PHENANTHRENE	52 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	2	C032CA2001	EPA 8270-M	U	PYRENE	84 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	4	C032CA2101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	4	C032CA2101	EPA 8270-M	U	ACENAPHTHENE	4.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	4	C032CA2101	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	4	C032CA2101	EPA 8270-M	U	ANTHRACENE	8.6 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	4	C032CA2101	EPA 8270-M	U	BENZ(A)ANTHRACENE	41 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	4	C032CA2101	EPA 8270-M	U	BENZO(A)PYRENE	89 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	4	C032CA2101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	58 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	4	C032CA2101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	84 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	4	C032CA2101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	49 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	4	C032CA2101	EPA 8270-M	U	CHRYSENE	49 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	4	C032CA2101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.7 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	4	C032CA2101	EPA 8270-M	U	FLUORANTHENE	120 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	4	C032CA2101	EPA 8270-M	U	FLUORENE	2.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	4	C032CA2101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	76 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	4	C032CA2101	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-60	SB	REG	4	C032CA2101	EPA 8270-M	U	PHENANTHRENE	50 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-60	SB	REG	4	C032CA2101	EPA 8270-M	U	PYRENE	150 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	2-METHYLNAPHTHALENE	4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	ACENAPHTHENE	26 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	ACENAPHTHYLENE	3.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	ANTHRACENE	52 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	BENZ(A)ANTHRACENE	340 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	BENZO(A)PYRENE	430 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	360 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	260 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	440 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	CHRYSENE	490 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	52 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	FLUORANTHENE	990 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	FLUORENE	24 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	300 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	NAPHTHALENE	7.5 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	PHENANTHRENE	610 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	PYRENE	1000 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	2-METHYLNAPHTHALENE	52 UG/KG	U	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	ACENAPHTHENE	25 UG/KG	JD	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	ACENAPHTHYLENE	52 UG/KG	U	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	ANTHRACENE	61 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	BENZ(A)ANTHRACENE	310 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	BENZO(A)PYRENE	410 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	350 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	260 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	410 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	CHRYSENE	480 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	47 UG/KG	JD	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	FLUORANTHENE	960 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	FLUORENE	22 UG/KG	JD	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	290 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	NAPHTHALENE	52 UG/KG	U	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	PHENANTHRENE	590 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-61	SB	REG	0	C032CA2301	EPA 8270-M	U	PYRENE	1000 UG/KG	D	J	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-61	SB	REG	0.5	C032CA2401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0.5	C032CA2401	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0.5	C032CA2401	EPA 8270-M	U	ACENAPHTHYLENE	7.4 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0.5	C032CA2401	EPA 8270-M	U	ANTHRACENE	16 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0.5	C032CA2401	EPA 8270-M	U	BENZ(A)ANTHRACENE	110 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0.5	C032CA2401	EPA 8270-M	U	BENZO(A)PYRENE	180 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0.5	C032CA2401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	130 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0.5	C032CA2401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	150 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0.5	C032CA2401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	140 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0.5	C032CA2401	EPA 8270-M	U	CHRYSENE	150 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0.5	C032CA2401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	18 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0.5	C032CA2401	EPA 8270-M	U	FLUORANTHENE	310 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0.5	C032CA2401	EPA 8270-M	U	FLUORENE	6.6 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0.5	C032CA2401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	140 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0.5	C032CA2401	EPA 8270-M	U	NAPHTHALENE	9 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0.5	C032CA2401	EPA 8270-M	U	PHENANTHRENE	160 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	0.5	C032CA2401	EPA 8270-M	U	PYRENE	370 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	2	C032CA2501	EPA 8270-M	U	2-METHYLNAPHTHALENE	4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-61	SB	REG	2	C032CA2501	EPA 8270-M	U	ACENAPHTHENE	18 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	2	C032CA2501	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	2	C032CA2501	EPA 8270-M	U	ANTHRACENE	38 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	2	C032CA2501	EPA 8270-M	U	BENZ(A)ANTHRACENE	240 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	2	C032CA2501	EPA 8270-M	U	BENZO(A)PYRENE	340 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	2	C032CA2501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	260 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	2	C032CA2501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	240 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	2	C032CA2501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	290 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	2	C032CA2501	EPA 8270-M	U	CHRYSENE	320 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	2	C032CA2501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	38 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	2	C032CA2501	EPA 8270-M	U	FLUORANTHENE	690 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	2	C032CA2501	EPA 8270-M	U	FLUORENE	19 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	2	C032CA2501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	260 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	2	C032CA2501	EPA 8270-M	U	NAPHTHALENE	14 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	2	C032CA2501	EPA 8270-M	U	PHENANTHRENE	410 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-61	SB	REG	2	C032CA2501	EPA 8270-M	U	PYRENE	710 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-62	SB	REG	0	C032CA2701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	0	C032CA2701	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	0	C032CA2701	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	0	C032CA2701	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	0	C032CA2701	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.7 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	0	C032CA2701	EPA 8270-M	U	BENZO(A)PYRENE	8.5 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	0	C032CA2701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.5 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	0	C032CA2701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.5 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	0	C032CA2701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.5 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	0	C032CA2701	EPA 8270-M	U	CHRYSENE	9.3 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	0	C032CA2701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-62	SB	REG	0	C032CA2701	EPA 8270-M	U	FLUORANTHENE	11 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	0	C032CA2701	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	0	C032CA2701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	0	C032CA2701	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	0	C032CA2701	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	0	C032CA2701	EPA 8270-M	U	PYRENE	13 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.4 UG/KG	J	R	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	J	R	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	ACENAPHTHYLENE	21 UG/KG		R	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	ANTHRACENE	28 UG/KG		R	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	BENZ(A)ANTHRACENE	82 UG/KG		R	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	BENZO(A)PYRENE	110 UG/KG		R	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	81 UG/KG		R	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	110 UG/KG		R	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	76 UG/KG		R	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	CHRYSENE	100 UG/KG		R	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	16 UG/KG		R	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	FLUORANTHENE	220 UG/KG		R	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	FLUORENE	9 UG/KG		R	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	77 UG/KG		R	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	NAPHTHALENE	8.5 UG/KG		R	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	PHENANTHRENE	190 UG/KG		R	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	PYRENE	270 UG/KG		R	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	RA0 REG	5/16/2002	5/20/2002	5/23/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	RA0 REG	5/16/2002	5/20/2002	5/23/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	J	J	RA0 REG	5/16/2002	5/20/2002	5/23/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	ANTHRACENE	6.5 UG/KG			RA0 REG	5/16/2002	5/20/2002	5/23/2002

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Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	BENZ(A)ANTHRACENE	23 UG/KG			RA0 REG	5/16/2002	5/20/2002	5/23/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	BENZO(A)PYRENE	29 UG/KG			RA0 REG	5/16/2002	5/20/2002	5/23/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	22 UG/KG			RA0 REG	5/16/2002	5/20/2002	5/23/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	19 UG/KG			RA0 REG	5/16/2002	5/20/2002	5/23/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	19 UG/KG			RA0 REG	5/16/2002	5/20/2002	5/23/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	CHRYSENE	27 UG/KG			RA0 REG	5/16/2002	5/20/2002	5/23/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.6 UG/KG	J	J	RA0 REG	5/16/2002	5/20/2002	5/23/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	FLUORANTHENE	49 UG/KG			RA0 REG	5/16/2002	5/20/2002	5/23/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	FLUORENE	3.1 UG/KG	J	J	RA0 REG	5/16/2002	5/20/2002	5/23/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	14 UG/KG			RA0 REG	5/16/2002	5/20/2002	5/23/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	RA0 REG	5/16/2002	5/20/2002	5/23/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	PHENANTHRENE	27 UG/KG			RA0 REG	5/16/2002	5/20/2002	5/23/2002
32EDC-5-62	SB	REG	0.5	C032CA2801	EPA 8270-M	U	PYRENE	8.8 UG/KG			RA0 REG	5/16/2002	5/20/2002	5/23/2002
32EDC-5-62	SB	REG	2	C032CA2901	EPA 8270-M	U	2-METHYLNAPHTHALENE	7.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-62	SB	REG	2	C032CA2901	EPA 8270-M	U	ACENAPHTHENE	3.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-62	SB	REG	2	C032CA2901	EPA 8270-M	U	ACENAPHTHYLENE	3.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-62	SB	REG	2	C032CA2901	EPA 8270-M	U	ANTHRACENE	6.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-62	SB	REG	2	C032CA2901	EPA 8270-M	U	BENZ(A)ANTHRACENE	32 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-62	SB	REG	2	C032CA2901	EPA 8270-M	U	BENZO(A)PYRENE	40 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-62	SB	REG	2	C032CA2901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	26 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-62	SB	REG	2	C032CA2901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	30 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-62	SB	REG	2	C032CA2901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	24 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-62	SB	REG	2	C032CA2901	EPA 8270-M	U	CHRYSENE	39 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-62	SB	REG	2	C032CA2901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-62	SB	REG	2	C032CA2901	EPA 8270-M	U	FLUORANTHENE	73 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-62	SB	REG	2	C032CA2901	EPA 8270-M	U	FLUORENE	2.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-62	SB	REG	2	C032CA2901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	24 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-62	SB	REG	2	C032CA2901	EPA 8270-M	U	NAPHTHALENE	2.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-62	SB	REG	2	C032CA2901	EPA 8270-M	U	PHENANTHRENE	35 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-62	SB	REG	2	C032CA2901	EPA 8270-M	U	PYRENE	85 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-62	SB	REG	4	C032CA3001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.5 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	4	C032CA3001	EPA 8270-M	U	ACENAPHTHENE	6.5 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	4	C032CA3001	EPA 8270-M	U	ACENAPHTHYLENE	6.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	4	C032CA3001	EPA 8270-M	U	ANTHRACENE	6.5 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	4	C032CA3001	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.6 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	4	C032CA3001	EPA 8270-M	U	BENZO(A)PYRENE	9.5 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	4	C032CA3001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.7 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	4	C032CA3001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	4	C032CA3001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.1 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	4	C032CA3001	EPA 8270-M	U	CHRYSENE	9.7 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	4	C032CA3001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	4	C032CA3001	EPA 8270-M	U	FLUORANTHENE	9 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	4	C032CA3001	EPA 8270-M	U	FLUORENE	6.5 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	4	C032CA3001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	4	C032CA3001	EPA 8270-M	U	NAPHTHALENE	1.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	4	C032CA3001	EPA 8270-M	U	PHENANTHRENE	6.5 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-62	SB	REG	4	C032CA3001	EPA 8270-M	U	PYRENE	10 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-63	SB	FD	0.5	C032CA3301	EPA 8270-M	U	2-METHYLNAPHTHALENE	53 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	FD	0.5	C032CA3301	EPA 8270-M	U	ACENAPHTHENE	53 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	FD	0.5	C032CA3301	EPA 8270-M	U	ACENAPHTHYLENE	53 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	FD	0.5	C032CA3301	EPA 8270-M	U	ANTHRACENE	53 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	FD	0.5	C032CA3301	EPA 8270-M	U	BENZ(A)ANTHRACENE	15 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	FD	0.5	C032CA3301	EPA 8270-M	U	BENZO(A)PYRENE	21 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	FD	0.5	C032CA3301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	19 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-63	SB	FD	0.5	C032CA3301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	21 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	FD	0.5	C032CA3301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	20 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	FD	0.5	C032CA3301	EPA 8270-M	U	CHRYSENE	22 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	FD	0.5	C032CA3301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	FD	0.5	C032CA3301	EPA 8270-M	U	FLUORANTHENE	31 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	FD	0.5	C032CA3301	EPA 8270-M	U	FLUORENE	53 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	FD	0.5	C032CA3301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	17 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	FD	0.5	C032CA3301	EPA 8270-M	U	NAPHTHALENE	3.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	FD	0.5	C032CA3301	EPA 8270-M	U	PHENANTHRENE	7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	FD	0.5	C032CA3301	EPA 8270-M	U	PYRENE	34 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	0	C032CA3101	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-63	SB	REG	0	C032CA3101	EPA 8270-M	U	ACENAPHTHENE	1.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-63	SB	REG	0	C032CA3101	EPA 8270-M	U	ACENAPHTHYLENE	2.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-63	SB	REG	0	C032CA3101	EPA 8270-M	U	ANTHRACENE	4.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-63	SB	REG	0	C032CA3101	EPA 8270-M	U	BENZ(A)ANTHRACENE	32 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-63	SB	REG	0	C032CA3101	EPA 8270-M	U	BENZO(A)PYRENE	45 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-63	SB	REG	0	C032CA3101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	41 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-63	SB	REG	0	C032CA3101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	36 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-63	SB	REG	0	C032CA3101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	36 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-63	SB	REG	0	C032CA3101	EPA 8270-M	U	CHRYSENE	38 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-63	SB	REG	0	C032CA3101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-63	SB	REG	0	C032CA3101	EPA 8270-M	U	FLUORANTHENE	64 UG/KG			000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-63	SB	REG	0	C032CA3101	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-63	SB	REG	0	C032CA3101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	45 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-63	SB	REG	0	C032CA3101	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG			000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-63	SB	REG	0	C032CA3101	EPA 8270-M	U	PHENANTHRENE	19 UG/KG			000 REG	5/14/2002	5/15/2002	5/31/2002
32EDC-5-63	SB	REG	0	C032CA3101	EPA 8270-M	U	PYRENE	70 UG/KG			000 REG	5/14/2002	5/15/2002	5/31/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-63	SB	REG	0.5	C032CA3201	EPA 8270-M	U	2-METHYLNAPHTHALENE	27 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	0.5	C032CA3201	EPA 8270-M	U	ACENAPHTHENE	27 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	0.5	C032CA3201	EPA 8270-M	U	ACENAPHTHYLENE	27 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	0.5	C032CA3201	EPA 8270-M	U	ANTHRACENE	2.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	0.5	C032CA3201	EPA 8270-M	U	BENZ(A)ANTHRACENE	17 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	0.5	C032CA3201	EPA 8270-M	U	BENZO(A)PYRENE	31 UG/KG			000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	0.5	C032CA3201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	23 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	0.5	C032CA3201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	26 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	0.5	C032CA3201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	27 UG/KG			000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	0.5	C032CA3201	EPA 8270-M	U	CHRYSENE	23 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	0.5	C032CA3201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	27 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	0.5	C032CA3201	EPA 8270-M	U	FLUORANTHENE	31 UG/KG			000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	0.5	C032CA3201	EPA 8270-M	U	FLUORENE	27 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	0.5	C032CA3201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	17 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	0.5	C032CA3201	EPA 8270-M	U	NAPHTHALENE	27 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	0.5	C032CA3201	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	0.5	C032CA3201	EPA 8270-M	U	PYRENE	36 UG/KG			000 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	ACENAPHTHENE	6.7 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	ACENAPHTHYLENE	24 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	ANTHRACENE	25 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	BENZ(A)ANTHRACENE	130 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	BENZO(A)PYRENE	210 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	150 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	160 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	160 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	CHRYSENE	150 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	31 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	FLUORANTHENE	350 UG/KG	E	R	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	FLUORENE	9.8 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	170 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	NAPHTHALENE	11 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	PHENANTHRENE	180 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	PYRENE	430 UG/KG	E	R	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.5 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	ACENAPHTHENE	7.2 UG/KG	JG	R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	ACENAPHTHYLENE	25 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	ANTHRACENE	27 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	BENZ(A)ANTHRACENE	130 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	BENZO(A)PYRENE	230 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	160 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	220 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	130 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	CHRYSENE	170 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	44 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	FLUORANTHENE	330 UG/KG			DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	FLUORENE	10 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	180 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	NAPHTHALENE	11 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	PHENANTHRENE	180 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	2	C032CA3401	EPA 8270-M	U	PYRENE	390 UG/KG			DL1 REG	5/14/2002	5/15/2002	5/22/2002
32EDC-5-63	SB	REG	4	C032CA3501	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.62 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	4	C032CA3501	EPA 8270-M	U	ACENAPHTHENE	1.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	4	C032CA3501	EPA 8270-M	U	ACENAPHTHYLENE	4.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-63	SB	REG	4	C032CA3501	EPA 8270-M	U	ANTHRACENE	3.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	4	C032CA3501	EPA 8270-M	U	BENZ(A)ANTHRACENE	35 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	4	C032CA3501	EPA 8270-M	U	BENZO(A)PYRENE	68 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	4	C032CA3501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	58 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	4	C032CA3501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	69 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	4	C032CA3501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	52 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	4	C032CA3501	EPA 8270-M	U	CHRYSENE	45 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	4	C032CA3501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9.1 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	4	C032CA3501	EPA 8270-M	U	FLUORANTHENE	96 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	4	C032CA3501	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	4	C032CA3501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	72 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	4	C032CA3501	EPA 8270-M	U	NAPHTHALENE	4.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	4	C032CA3501	EPA 8270-M	U	PHENANTHRENE	26 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-63	SB	REG	4	C032CA3501	EPA 8270-M	U	PYRENE	120 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32EDC-5-64	SB	REG	0	C032CA3601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0	C032CA3601	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0	C032CA3601	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0	C032CA3601	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0	C032CA3601	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0	C032CA3601	EPA 8270-M	U	BENZO(A)PYRENE	6.3 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0	C032CA3601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0	C032CA3601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.2 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0	C032CA3601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0	C032CA3601	EPA 8270-M	U	CHRYSENE	4.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0	C032CA3601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0	C032CA3601	EPA 8270-M	U	FLUORANTHENE	7.9 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0	C032CA3601	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-64	SB	REG	0	C032CA3601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.8 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0	C032CA3601	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0	C032CA3601	EPA 8270-M	U	PHENANTHRENE	3.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0	C032CA3601	EPA 8270-M	U	PYRENE	10 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0.5	C032CA3701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0.5	C032CA3701	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0.5	C032CA3701	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0.5	C032CA3701	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0.5	C032CA3701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0.5	C032CA3701	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0.5	C032CA3701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	12 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0.5	C032CA3701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	19 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0.5	C032CA3701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.7 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0.5	C032CA3701	EPA 8270-M	U	CHRYSENE	7.8 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0.5	C032CA3701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0.5	C032CA3701	EPA 8270-M	U	FLUORANTHENE	11 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0.5	C032CA3701	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0.5	C032CA3701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	17 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0.5	C032CA3701	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0.5	C032CA3701	EPA 8270-M	U	PHENANTHRENE	3.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	0.5	C032CA3701	EPA 8270-M	U	PYRENE	15 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	2	C032CA3801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	2	C032CA3801	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	2	C032CA3801	EPA 8270-M	U	ACENAPHTHYLENE	2.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	2	C032CA3801	EPA 8270-M	U	ANTHRACENE	2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	2	C032CA3801	EPA 8270-M	U	BENZ(A)ANTHRACENE	53 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	2	C032CA3801	EPA 8270-M	U	BENZO(A)PYRENE	90 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-64	SB	REG	2	C032CA3801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	52 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	2	C032CA3801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	66 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	2	C032CA3801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	50 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	2	C032CA3801	EPA 8270-M	U	CHRYSENE	65 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	2	C032CA3801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	8.3 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	2	C032CA3801	EPA 8270-M	U	FLUORANTHENE	75 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	2	C032CA3801	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	2	C032CA3801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	67 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	2	C032CA3801	EPA 8270-M	U	NAPHTHALENE	3.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	2	C032CA3801	EPA 8270-M	U	PHENANTHRENE	8.5 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	2	C032CA3801	EPA 8270-M	U	PYRENE	98 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	4	C032CA3901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	4	C032CA3901	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	4	C032CA3901	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	4	C032CA3901	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	4	C032CA3901	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	4	C032CA3901	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	4	C032CA3901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	4	C032CA3901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	4	C032CA3901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	4	C032CA3901	EPA 8270-M	U	CHRYSENE	4.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	4	C032CA3901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	4	C032CA3901	EPA 8270-M	U	FLUORANTHENE	3.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	4	C032CA3901	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	4	C032CA3901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	4	C032CA3901	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-64	SB	REG	4	C032CA3901	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-64	SB	REG	4	C032CA3901	EPA 8270-M	U	PYRENE	10 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	FD	4	C032CA4401	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	FD	4	C032CA4401	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	FD	4	C032CA4401	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	FD	4	C032CA4401	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	FD	4	C032CA4401	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	FD	4	C032CA4401	EPA 8270-M	U	BENZO(A)PYRENE	2.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	FD	4	C032CA4401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	FD	4	C032CA4401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	FD	4	C032CA4401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	FD	4	C032CA4401	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	FD	4	C032CA4401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	FD	4	C032CA4401	EPA 8270-M	U	FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	FD	4	C032CA4401	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	FD	4	C032CA4401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	FD	4	C032CA4401	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	FD	4	C032CA4401	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	FD	4	C032CA4401	EPA 8270-M	U	PYRENE	3.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0	C032CA4001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0	C032CA4001	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0	C032CA4001	EPA 8270-M	U	ACENAPHTHYLENE	1.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0	C032CA4001	EPA 8270-M	U	ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0	C032CA4001	EPA 8270-M	U	BENZ(A)ANTHRACENE	14 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0	C032CA4001	EPA 8270-M	U	BENZO(A)PYRENE	37 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0	C032CA4001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	27 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0	C032CA4001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	46 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0	C032CA4001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	19 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-65	SB	REG	0	C032CA4001	EPA 8270-M	U	CHRYSENE	20 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0	C032CA4001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0	C032CA4001	EPA 8270-M	U	FLUORANTHENE	33 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0	C032CA4001	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0	C032CA4001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	42 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0	C032CA4001	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0	C032CA4001	EPA 8270-M	U	PHENANTHRENE	8.7 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0	C032CA4001	EPA 8270-M	U	PYRENE	47 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0.5	C032CA4101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0.5	C032CA4101	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0.5	C032CA4101	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0.5	C032CA4101	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0.5	C032CA4101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0.5	C032CA4101	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0.5	C032CA4101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0.5	C032CA4101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0.5	C032CA4101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0.5	C032CA4101	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0.5	C032CA4101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0.5	C032CA4101	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0.5	C032CA4101	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0.5	C032CA4101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0.5	C032CA4101	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0.5	C032CA4101	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	0.5	C032CA4101	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	2	C032CA4201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	2	C032CA4201	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-65	SB	REG	2	C032CA4201	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	2	C032CA4201	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	2	C032CA4201	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	2	C032CA4201	EPA 8270-M	U	BENZO(A)PYRENE	7.6 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	2	C032CA4201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.3 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	2	C032CA4201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	11 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	2	C032CA4201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	2	C032CA4201	EPA 8270-M	U	CHRYSENE	3.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	2	C032CA4201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	2	C032CA4201	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	2	C032CA4201	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	2	C032CA4201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	9.3 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	2	C032CA4201	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	2	C032CA4201	EPA 8270-M	U	PHENANTHRENE	1.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	2	C032CA4201	EPA 8270-M	U	PYRENE	8.8 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	4	C032CA4301	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	4	C032CA4301	EPA 8270-M	U	ACENAPHTHENE	6.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	4	C032CA4301	EPA 8270-M	U	ACENAPHTHYLENE	6.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	4	C032CA4301	EPA 8270-M	U	ANTHRACENE	6.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	4	C032CA4301	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	4	C032CA4301	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	4	C032CA4301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	4	C032CA4301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	4	C032CA4301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	4	C032CA4301	EPA 8270-M	U	CHRYSENE	2.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	4	C032CA4301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	4	C032CA4301	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-65	SB	REG	4	C032CA4301	EPA 8270-M	U	FLUORENE	6.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	4	C032CA4301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	4	C032CA4301	EPA 8270-M	U	NAPHTHALENE	6.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	4	C032CA4301	EPA 8270-M	U	PHENANTHRENE	6.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-65	SB	REG	4	C032CA4301	EPA 8270-M	U	PYRENE	7.8 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-66	SB	REG	0	C032CA4501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0	C032CA4501	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0	C032CA4501	EPA 8270-M	U	ACENAPHTHYLENE	1.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0	C032CA4501	EPA 8270-M	U	ANTHRACENE	1.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0	C032CA4501	EPA 8270-M	U	BENZ(A)ANTHRACENE	13 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0	C032CA4501	EPA 8270-M	U	BENZO(A)PYRENE	33 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0	C032CA4501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	18 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0	C032CA4501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	34 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0	C032CA4501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	25 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0	C032CA4501	EPA 8270-M	U	CHRYSENE	20 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0	C032CA4501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.8 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0	C032CA4501	EPA 8270-M	U	FLUORANTHENE	29 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0	C032CA4501	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0	C032CA4501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	32 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0	C032CA4501	EPA 8270-M	U	NAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0	C032CA4501	EPA 8270-M	U	PHENANTHRENE	4.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0	C032CA4501	EPA 8270-M	U	PYRENE	48 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0.5	C032CA4601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0.5	C032CA4601	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0.5	C032CA4601	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0.5	C032CA4601	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0.5	C032CA4601	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.94 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-66	SB	REG	0.5	C032CA4601	EPA 8270-M	U	BENZO(A)PYRENE	3.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0.5	C032CA4601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0.5	C032CA4601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0.5	C032CA4601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0.5	C032CA4601	EPA 8270-M	U	CHRYSENE	1.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0.5	C032CA4601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0.5	C032CA4601	EPA 8270-M	U	FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0.5	C032CA4601	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0.5	C032CA4601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0.5	C032CA4601	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0.5	C032CA4601	EPA 8270-M	U	PHENANTHRENE	0.44 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	0.5	C032CA4601	EPA 8270-M	U	PYRENE	2.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	2	C032CA4701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	2	C032CA4701	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	2	C032CA4701	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	2	C032CA4701	EPA 8270-M	U	ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	2	C032CA4701	EPA 8270-M	U	BENZ(A)ANTHRACENE	9.9 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	2	C032CA4701	EPA 8270-M	U	BENZO(A)PYRENE	8.9 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	2	C032CA4701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.4 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	2	C032CA4701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	2	C032CA4701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.2 UG/KG	B	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	2	C032CA4701	EPA 8270-M	U	CHRYSENE	13 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	2	C032CA4701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	2	C032CA4701	EPA 8270-M	U	FLUORANTHENE	18 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	2	C032CA4701	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	2	C032CA4701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	2	C032CA4701	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-66	SB	REG	2	C032CA4701	EPA 8270-M	U	PHENANTHRENE	9.6 UG/KG		J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	2	C032CA4701	EPA 8270-M	U	PYRENE	20 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	4	C032CA4801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	4	C032CA4801	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	4	C032CA4801	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	4	C032CA4801	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	4	C032CA4801	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	4	C032CA4801	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	4	C032CA4801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	4	C032CA4801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.2 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	4	C032CA4801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	4	C032CA4801	EPA 8270-M	U	CHRYSENE	2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	4	C032CA4801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	4	C032CA4801	EPA 8270-M	U	FLUORANTHENE	4.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	4	C032CA4801	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	4	C032CA4801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.2 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	4	C032CA4801	EPA 8270-M	U	NAPHTHALENE	0.39 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	4	C032CA4801	EPA 8270-M	U	PHENANTHRENE	1.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-66	SB	REG	4	C032CA4801	EPA 8270-M	U	PYRENE	9.5 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-67	SB	REG	0	C032CA4901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0	C032CA4901	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0	C032CA4901	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0	C032CA4901	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0	C032CA4901	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.6 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0	C032CA4901	EPA 8270-M	U	BENZO(A)PYRENE	17 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0	C032CA4901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	18 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0	C032CA4901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	20 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-67	SB	REG	0	C032CA4901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0	C032CA4901	EPA 8270-M	U	CHRYSENE	10 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0	C032CA4901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0	C032CA4901	EPA 8270-M	U	FLUORANTHENE	17 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0	C032CA4901	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0	C032CA4901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	19 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0	C032CA4901	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0	C032CA4901	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0	C032CA4901	EPA 8270-M	U	PYRENE	24 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0.5	C032CA5001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0.5	C032CA5001	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0.5	C032CA5001	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0.5	C032CA5001	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0.5	C032CA5001	EPA 8270-M	U	BENZ(A)ANTHRACENE	7.8 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0.5	C032CA5001	EPA 8270-M	U	BENZO(A)PYRENE	13 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0.5	C032CA5001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	13 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0.5	C032CA5001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	13 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0.5	C032CA5001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0.5	C032CA5001	EPA 8270-M	U	CHRYSENE	8.5 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0.5	C032CA5001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0.5	C032CA5001	EPA 8270-M	U	FLUORANTHENE	14 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0.5	C032CA5001	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0.5	C032CA5001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	12 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0.5	C032CA5001	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0.5	C032CA5001	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	0.5	C032CA5001	EPA 8270-M	U	PYRENE	21 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	2	C032CA5101	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-67	SB	REG	2	C032CA5101	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	2	C032CA5101	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	2	C032CA5101	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	2	C032CA5101	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	2	C032CA5101	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	2	C032CA5101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	2	C032CA5101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.4 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	2	C032CA5101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	2	C032CA5101	EPA 8270-M	U	CHRYSENE	3.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	2	C032CA5101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	2	C032CA5101	EPA 8270-M	U	FLUORANTHENE	3.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	2	C032CA5101	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	2	C032CA5101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	2	C032CA5101	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	2	C032CA5101	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	2	C032CA5101	EPA 8270-M	U	PYRENE	7.3 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	4	C032CA5201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	4	C032CA5201	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	4	C032CA5201	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	4	C032CA5201	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	4	C032CA5201	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	4	C032CA5201	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	4	C032CA5201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	4	C032CA5201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	4	C032CA5201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	4	C032CA5201	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	4	C032CA5201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-67	SB	REG	4	C032CA5201	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	4	C032CA5201	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	4	C032CA5201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	4	C032CA5201	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	4	C032CA5201	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-67	SB	REG	4	C032CA5201	EPA 8270-M	U	PYRENE	4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-68	SB	REG	0	C032CA5401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0	C032CA5401	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0	C032CA5401	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0	C032CA5401	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0	C032CA5401	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0	C032CA5401	EPA 8270-M	U	BENZO(A)PYRENE	25 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0	C032CA5401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	20 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0	C032CA5401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	31 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0	C032CA5401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	15 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0	C032CA5401	EPA 8270-M	U	CHRYSENE	15 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0	C032CA5401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.4 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0	C032CA5401	EPA 8270-M	U	FLUORANTHENE	22 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0	C032CA5401	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0	C032CA5401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	30 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0	C032CA5401	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0	C032CA5401	EPA 8270-M	U	PHENANTHRENE	4.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0	C032CA5401	EPA 8270-M	U	PYRENE	33 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0.5	C032CA5501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0.5	C032CA5501	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0.5	C032CA5501	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0.5	C032CA5501	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-68	SB	REG	0.5	C032CA5501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0.5	C032CA5501	EPA 8270-M	U	BENZO(A)PYRENE	2.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0.5	C032CA5501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.4 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0.5	C032CA5501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0.5	C032CA5501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0.5	C032CA5501	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0.5	C032CA5501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0.5	C032CA5501	EPA 8270-M	U	FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0.5	C032CA5501	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0.5	C032CA5501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0.5	C032CA5501	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0.5	C032CA5501	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	0.5	C032CA5501	EPA 8270-M	U	PYRENE	3.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	2	C032CA5601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	2	C032CA5601	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	2	C032CA5601	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	2	C032CA5601	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	2	C032CA5601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	2	C032CA5601	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	2	C032CA5601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	2	C032CA5601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	2	C032CA5601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	2	C032CA5601	EPA 8270-M	U	CHRYSENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	2	C032CA5601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	2	C032CA5601	EPA 8270-M	U	FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	2	C032CA5601	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	2	C032CA5601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-68	SB	REG	2	C032CA5601	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	2	C032CA5601	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	2	C032CA5601	EPA 8270-M	U	PYRENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	4	C032CA5701	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	4	C032CA5701	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	4	C032CA5701	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	4	C032CA5701	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	4	C032CA5701	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	4	C032CA5701	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	4	C032CA5701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	4	C032CA5701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	4	C032CA5701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	4	C032CA5701	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	4	C032CA5701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	4	C032CA5701	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	4	C032CA5701	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	4	C032CA5701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.66 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	4	C032CA5701	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	4	C032CA5701	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-68	SB	REG	4	C032CA5701	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-69	SB	REG	0	C032CA5801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0	C032CA5801	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0	C032CA5801	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0	C032CA5801	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0	C032CA5801	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0	C032CA5801	EPA 8270-M	U	BENZO(A)PYRENE	3.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0	C032CA5801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-69	SB	REG	0	C032CA5801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0	C032CA5801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0	C032CA5801	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0	C032CA5801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0	C032CA5801	EPA 8270-M	U	FLUORANTHENE	4.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0	C032CA5801	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0	C032CA5801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0	C032CA5801	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0	C032CA5801	EPA 8270-M	U	PHENANTHRENE	2.3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0	C032CA5801	EPA 8270-M	U	PYRENE	5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0.5	C032CA5901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0.5	C032CA5901	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0.5	C032CA5901	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0.5	C032CA5901	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0.5	C032CA5901	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0.5	C032CA5901	EPA 8270-M	U	BENZO(A)PYRENE	5.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0.5	C032CA5901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0.5	C032CA5901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0.5	C032CA5901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0.5	C032CA5901	EPA 8270-M	U	CHRYSENE	4.6 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0.5	C032CA5901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0.5	C032CA5901	EPA 8270-M	U	FLUORANTHENE	4.6 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0.5	C032CA5901	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0.5	C032CA5901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.2 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0.5	C032CA5901	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0.5	C032CA5901	EPA 8270-M	U	PHENANTHRENE	2.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	0.5	C032CA5901	EPA 8270-M	U	PYRENE	4.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-69	SB	REG	2	C032CA6001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	2	C032CA6001	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	2	C032CA6001	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	2	C032CA6001	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	2	C032CA6001	EPA 8270-M	U	BENZ(A)ANTHRACENE	2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	2	C032CA6001	EPA 8270-M	U	BENZO(A)PYRENE	2.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	2	C032CA6001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	2	C032CA6001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	2	C032CA6001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	2	C032CA6001	EPA 8270-M	U	CHRYSENE	7.2 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	2	C032CA6001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	2	C032CA6001	EPA 8270-M	U	FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	2	C032CA6001	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	2	C032CA6001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	2	C032CA6001	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	2	C032CA6001	EPA 8270-M	U	PHENANTHRENE	2.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	2	C032CA6001	EPA 8270-M	U	PYRENE	2.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	4	C032CA6101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	4	C032CA6101	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	4	C032CA6101	EPA 8270-M	U	ACENAPHTHYLENE	3.3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	4	C032CA6101	EPA 8270-M	U	ANTHRACENE	4.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	4	C032CA6101	EPA 8270-M	U	BENZ(A)ANTHRACENE	25 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	4	C032CA6101	EPA 8270-M	U	BENZO(A)PYRENE	36 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	4	C032CA6101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	23 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	4	C032CA6101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	29 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	4	C032CA6101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	25 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	4	C032CA6101	EPA 8270-M	U	CHRYSENE	30 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-69	SB	REG	4	C032CA6101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	4	C032CA6101	EPA 8270-M	U	FLUORANTHENE	71 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	4	C032CA6101	EPA 8270-M	U	FLUORENE	1.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	4	C032CA6101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	30 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	4	C032CA6101	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	4	C032CA6101	EPA 8270-M	U	PHENANTHRENE	30 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-69	SB	REG	4	C032CA6101	EPA 8270-M	U	PYRENE	85 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-7	SB	REG	0	C032C78501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0	C032C78501	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0	C032C78501	EPA 8270-M	U	ACENAPHTHYLENE	3.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0	C032C78501	EPA 8270-M	U	ANTHRACENE	6.9 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0	C032C78501	EPA 8270-M	U	BENZ(A)ANTHRACENE	24 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0	C032C78501	EPA 8270-M	U	BENZO(A)PYRENE	31 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0	C032C78501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	26 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0	C032C78501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	26 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0	C032C78501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	20 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0	C032C78501	EPA 8270-M	U	CHRYSENE	30 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0	C032C78501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	10 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0	C032C78501	EPA 8270-M	U	FLUORANTHENE	32 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0	C032C78501	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0	C032C78501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	28 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0	C032C78501	EPA 8270-M	U	NAPHTHALENE	0.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0	C032C78501	EPA 8270-M	U	PHENANTHRENE	14 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0	C032C78501	EPA 8270-M	U	PYRENE	36 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0.5	C032C78601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0.5	C032C78601	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0.5	C032C78601	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-7	SB	REG	0.5	C032C78601	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0.5	C032C78601	EPA 8270-M	U	BENZ(A)ANTHRACENE	26 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0.5	C032C78601	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0.5	C032C78601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0.5	C032C78601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0.5	C032C78601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0.5	C032C78601	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0.5	C032C78601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0.5	C032C78601	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0.5	C032C78601	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0.5	C032C78601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	29 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0.5	C032C78601	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0.5	C032C78601	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	0.5	C032C78601	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	ACENAPHTHENE	46 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	ACENAPHTHYLENE	2.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	ANTHRACENE	170 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	BENZ(A)ANTHRACENE	880 UG/KG	E	R	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	BENZO(A)PYRENE	640 UG/KG	E	R	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	680 UG/KG	E	R	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	330 UG/KG	E	R	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	490 UG/KG	E	R	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	CHRYSENE	830 UG/KG	E	R	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	150 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	FLUORANTHENE	1500 UG/KG	E	R	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	FLUORENE	65 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	400 UG/KG	E	R	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	NAPHTHALENE	2.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	PHENANTHRENE	850 UG/KG	E	R	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	PYRENE	1100 UG/KG	E	R	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	BENZ(A)ANTHRACENE	830 UG/KG	D	J	DL1 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	BENZO(A)PYRENE	640 UG/KG	D	J	DL1 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	740 UG/KG	D		DL1 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	340 UG/KG	D		DL1 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	580 UG/KG	D		DL1 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	CHRYSENE	900 UG/KG	D	J	DL1 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	FLUORANTHENE	1700 UG/KG	D	J	DL1 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	350 UG/KG	D		DL1 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	PHENANTHRENE	960 UG/KG	D	J	DL1 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-7	SB	REG	2	C032C78701	EPA 8270-M	U	PYRENE	1100 UG/KG	D	J	DL1 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-7	SB	REG	4	C032C78801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	4	C032C78801	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	4	C032C78801	EPA 8270-M	U	ACENAPHTHYLENE	2.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	4	C032C78801	EPA 8270-M	U	ANTHRACENE	5.1 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	4	C032C78801	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.4 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	4	C032C78801	EPA 8270-M	U	BENZO(A)PYRENE	11 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	4	C032C78801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	4	C032C78801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.8 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	4	C032C78801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	4	C032C78801	EPA 8270-M	U	CHRYSENE	3.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	4	C032C78801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	4	C032C78801	EPA 8270-M	U	FLUORANTHENE	6.4 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	4	C032C78801	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-7	SB	REG	4	C032C78801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.9 UG/KG			000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	4	C032C78801	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	4	C032C78801	EPA 8270-M	U	PHENANTHRENE	1.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-7	SB	REG	4	C032C78801	EPA 8270-M	U	PYRENE	4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/14/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.93 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	ACENAPHTHENE	15 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	ACENAPHTHYLENE	13 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	ANTHRACENE	20 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	BENZ(A)ANTHRACENE	120 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	BENZO(A)PYRENE	180 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	120 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	180 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	120 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	CHRYSENE	130 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	22 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	FLUORANTHENE	360 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	FLUORENE	3.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	200 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	NAPHTHALENE	6 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	PHENANTHRENE	200 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	PYRENE	430 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.1 UG/KG	J	R	DL1 REG	5/15/2002	5/16/2002	6/3/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	ACENAPHTHENE	12 UG/KG	Q	R	DL1 REG	5/15/2002	5/16/2002	6/3/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	ACENAPHTHYLENE	11 UG/KG	J	R	DL1 REG	5/15/2002	5/16/2002	6/3/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	ANTHRACENE	16 UG/KG		R	DL1 REG	5/15/2002	5/16/2002	6/3/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	BENZ(A)ANTHRACENE	93 UG/KG		R	DL1 REG	5/15/2002	5/16/2002	6/3/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	BENZO(A)PYRENE	140 UG/KG		R	DL1 REG	5/15/2002	5/16/2002	6/3/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	100 UG/KG		R	DL1 REG	5/15/2002	5/16/2002	6/3/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	140 UG/KG		R	DL1 REG	5/15/2002	5/16/2002	6/3/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	88 UG/KG		R	DL1 REG	5/15/2002	5/16/2002	6/3/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	CHRYSENE	100 UG/KG		R	DL1 REG	5/15/2002	5/16/2002	6/3/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	19 UG/KG		R	DL1 REG	5/15/2002	5/16/2002	6/3/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	FLUORANTHENE	310 UG/KG			DL1 REG	5/15/2002	5/16/2002	6/3/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	FLUORENE	4.2 UG/KG	J	R	DL1 REG	5/15/2002	5/16/2002	6/3/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	160 UG/KG		R	DL1 REG	5/15/2002	5/16/2002	6/3/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	NAPHTHALENE	4.6 UG/KG	J	R	DL1 REG	5/15/2002	5/16/2002	6/3/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	PHENANTHRENE	150 UG/KG		R	DL1 REG	5/15/2002	5/16/2002	6/3/2002
32EDC-5-70	SB	FD	4	C032CA6601	EPA 8270-M	U	PYRENE	380 UG/KG			DL1 REG	5/15/2002	5/16/2002	6/3/2002
32EDC-5-70	SB	REG	0	C032CA6201	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.67 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	0	C032CA6201	EPA 8270-M	U	ACENAPHTHENE	10 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	0	C032CA6201	EPA 8270-M	U	ACENAPHTHYLENE	10 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	0	C032CA6201	EPA 8270-M	U	ANTHRACENE	1.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	0	C032CA6201	EPA 8270-M	U	BENZ(A)ANTHRACENE	13 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	0	C032CA6201	EPA 8270-M	U	BENZO(A)PYRENE	24 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	0	C032CA6201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	22 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	0	C032CA6201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	43 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	0	C032CA6201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	14 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	0	C032CA6201	EPA 8270-M	U	CHRYSENE	24 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	0	C032CA6201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	0	C032CA6201	EPA 8270-M	U	FLUORANTHENE	22 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	0	C032CA6201	EPA 8270-M	U	FLUORENE	10 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	0	C032CA6201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	23 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	0	C032CA6201	EPA 8270-M	U	NAPHTHALENE	0.72 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	0	C032CA6201	EPA 8270-M	U	PHENANTHRENE	7.3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/22/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-70	SB	REG	0	C032CA6201	EPA 8270-M	U	PYRENE	26 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	0.5	C032CA6301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	0.5	C032CA6301	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	0.5	C032CA6301	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	0.5	C032CA6301	EPA 8270-M	U	ANTHRACENE	0.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	0.5	C032CA6301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	0.5	C032CA6301	EPA 8270-M	U	BENZO(A)PYRENE	10 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	0.5	C032CA6301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.8 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	0.5	C032CA6301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	12 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	0.5	C032CA6301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.9 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	0.5	C032CA6301	EPA 8270-M	U	CHRYSENE	6.3 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	0.5	C032CA6301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	0.5	C032CA6301	EPA 8270-M	U	FLUORANTHENE	12 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	0.5	C032CA6301	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	0.5	C032CA6301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	12 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	0.5	C032CA6301	EPA 8270-M	U	NAPHTHALENE	0.48 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	0.5	C032CA6301	EPA 8270-M	U	PHENANTHRENE	3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	0.5	C032CA6301	EPA 8270-M	U	PYRENE	17 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	2	C032CA6401	EPA 8270-M	U	2-METHYLNAPHTHALENE	11 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	2	C032CA6401	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	2	C032CA6401	EPA 8270-M	U	ACENAPHTHYLENE	11 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	2	C032CA6401	EPA 8270-M	U	ANTHRACENE	11 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	2	C032CA6401	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	2	C032CA6401	EPA 8270-M	U	BENZO(A)PYRENE	7.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	2	C032CA6401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	2	C032CA6401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	11 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	2	C032CA6401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/22/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-70	SB	REG	2	C032CA6401	EPA 8270-M	U	CHRYSENE	6.6 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	2	C032CA6401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.6 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	2	C032CA6401	EPA 8270-M	U	FLUORANTHENE	6.6 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	2	C032CA6401	EPA 8270-M	U	FLUORENE	11 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	2	C032CA6401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	2	C032CA6401	EPA 8270-M	U	NAPHTHALENE	11 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	2	C032CA6401	EPA 8270-M	U	PHENANTHRENE	2.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	2	C032CA6401	EPA 8270-M	U	PYRENE	8.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-70	SB	REG	4	C032CA6501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	4	C032CA6501	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	4	C032CA6501	EPA 8270-M	U	ACENAPHTHYLENE	2.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	4	C032CA6501	EPA 8270-M	U	ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	4	C032CA6501	EPA 8270-M	U	BENZ(A)ANTHRACENE	17 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	4	C032CA6501	EPA 8270-M	U	BENZO(A)PYRENE	30 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	4	C032CA6501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	20 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	4	C032CA6501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	38 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	4	C032CA6501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	20 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	4	C032CA6501	EPA 8270-M	U	CHRYSENE	19 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	4	C032CA6501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	4	C032CA6501	EPA 8270-M	U	FLUORANTHENE	47 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	4	C032CA6501	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	4	C032CA6501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	40 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	4	C032CA6501	EPA 8270-M	U	NAPHTHALENE	1.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	4	C032CA6501	EPA 8270-M	U	PHENANTHRENE	17 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-70	SB	REG	4	C032CA6501	EPA 8270-M	U	PYRENE	59 UG/KG			000 REG	5/15/2002	5/16/2002	5/31/2002
32EDC-5-71	SB	REG	0	C032CA6701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0	C032CA6701	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-71	SB	REG	0	C032CA6701	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0	C032CA6701	EPA 8270-M	U	ANTHRACENE	2.3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0	C032CA6701	EPA 8270-M	U	BENZ(A)ANTHRACENE	21 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0	C032CA6701	EPA 8270-M	U	BENZO(A)PYRENE	31 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0	C032CA6701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	27 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0	C032CA6701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	31 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0	C032CA6701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	25 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0	C032CA6701	EPA 8270-M	U	CHRYSENE	33 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0	C032CA6701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0	C032CA6701	EPA 8270-M	U	FLUORANTHENE	48 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0	C032CA6701	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0	C032CA6701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	30 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0	C032CA6701	EPA 8270-M	U	NAPHTHALENE	2.3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0	C032CA6701	EPA 8270-M	U	PHENANTHRENE	19 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0	C032CA6701	EPA 8270-M	U	PYRENE	53 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	ACENAPHTHENE	39 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	ACENAPHTHYLENE	63 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	ANTHRACENE	210 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	BENZ(A)ANTHRACENE	590 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	BENZO(A)PYRENE	890 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	800 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	620 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	260 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	CHRYSENE	610 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	91 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	FLUORANTHENE	1600 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002

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Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	FLUORENE	21 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	730 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	NAPHTHALENE	23 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	PHENANTHRENE	880 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	PYRENE	1600 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	2-METHYLNAPHTHALENE	26 UG/KG	U	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	ACENAPHTHENE	40 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	ACENAPHTHYLENE	35 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	ANTHRACENE	170 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	BENZ(A)ANTHRACENE	510 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	BENZO(A)PYRENE	740 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	480 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	600 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	510 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	CHRYSENE	600 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	63 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	FLUORANTHENE	1400 UG/KG	D	J	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	FLUORENE	23 UG/KG	JD	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	540 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	NAPHTHALENE	25 UG/KG	JD	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	PHENANTHRENE	870 UG/KG	D	R	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-71	SB	REG	0.5	C032CA6801	EPA 8270-M	U	PYRENE	1900 UG/KG	D	J	DL1 REG	5/15/2002	5/16/2002	5/18/2002
32EDC-5-71	SB	REG	2	C032CA6901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	2	C032CA6901	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	2	C032CA6901	EPA 8270-M	U	ACENAPHTHYLENE	1.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	2	C032CA6901	EPA 8270-M	U	ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	2	C032CA6901	EPA 8270-M	U	BENZ(A)ANTHRACENE	14 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-71	SB	REG	2	C032CA6901	EPA 8270-M	U	BENZO(A)PYRENE	25 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	2	C032CA6901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	25 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	2	C032CA6901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	29 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	2	C032CA6901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8.4 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	2	C032CA6901	EPA 8270-M	U	CHRYSENE	16 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	2	C032CA6901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	2	C032CA6901	EPA 8270-M	U	FLUORANTHENE	33 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	2	C032CA6901	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	2	C032CA6901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	30 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	2	C032CA6901	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	2	C032CA6901	EPA 8270-M	U	PHENANTHRENE	11 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	2	C032CA6901	EPA 8270-M	U	PYRENE	41 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	4	C032CA7001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	4	C032CA7001	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	4	C032CA7001	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	4	C032CA7001	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	4	C032CA7001	EPA 8270-M	U	BENZ(A)ANTHRACENE	3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	4	C032CA7001	EPA 8270-M	U	BENZO(A)PYRENE	4.3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	4	C032CA7001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	4	C032CA7001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	4	C032CA7001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	4	C032CA7001	EPA 8270-M	U	CHRYSENE	3.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	4	C032CA7001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	4	C032CA7001	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	4	C032CA7001	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	4	C032CA7001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.6 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	4	C032CA7001	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-71	SB	REG	4	C032CA7001	EPA 8270-M	U	PHENANTHRENE	2.6 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-71	SB	REG	4	C032CA7001	EPA 8270-M	U	PYRENE	12 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0	C032CA7101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0	C032CA7101	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0	C032CA7101	EPA 8270-M	U	ACENAPHTHYLENE	2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0	C032CA7101	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0	C032CA7101	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.5 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0	C032CA7101	EPA 8270-M	U	BENZO(A)PYRENE	11 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0	C032CA7101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	14 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0	C032CA7101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	14 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0	C032CA7101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0	C032CA7101	EPA 8270-M	U	CHRYSENE	12 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0	C032CA7101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0	C032CA7101	EPA 8270-M	U	FLUORANTHENE	14 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0	C032CA7101	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0	C032CA7101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0	C032CA7101	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0	C032CA7101	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0	C032CA7101	EPA 8270-M	U	PYRENE	21 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	ACENAPHTHENE	7.4 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	ACENAPHTHYLENE	6.5 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	ANTHRACENE	7.5 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	BENZ(A)ANTHRACENE	40 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	BENZO(A)PYRENE	58 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	60 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	38 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	27 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	CHRYSENE	55 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.5 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	FLUORANTHENE	96 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	FLUORENE	4.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	22 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	NAPHTHALENE	2.6 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	PHENANTHRENE	45 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	PYRENE	150 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	ACENAPHTHENE	4.7 UG/KG	J	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	ACENAPHTHYLENE	3.8 UG/KG	J	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	ANTHRACENE	4.2 UG/KG	J	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	BENZ(A)ANTHRACENE	24 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	BENZO(A)PYRENE	35 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	28 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	28 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	22 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	CHRYSENE	31 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.8 UG/KG	J	J	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	FLUORANTHENE	58 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	FLUORENE	3.1 UG/KG	J	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	20 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	PHENANTHRENE	41 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	0.5	C032CA7201	EPA 8270-M	U	PYRENE	9.8 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	ACENAPHTHENE	6.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	ACENAPHTHYLENE	3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	ANTHRACENE	3.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	BENZ(A)ANTHRACENE	20 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	BENZO(A)PYRENE	37 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	41 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	27 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	15 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	CHRYSENE	42 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	J	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	FLUORANTHENE	42 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	FLUORENE	2.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	12 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	NAPHTHALENE	1.6 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	PHENANTHRENE	24 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	PYRENE	68 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.4 UG/KG	U	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	ACENAPHTHENE	2.6 UG/KG	J	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	ACENAPHTHYLENE	3.1 UG/KG	J	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	ANTHRACENE	2.5 UG/KG	J	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	BENZ(A)ANTHRACENE	19 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	BENZO(A)PYRENE	34 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	28 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	29 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	22 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	CHRYSENE	36 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	J	J	RA0 REG	5/15/2002	5/20/2002	5/23/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	FLUORANTHENE	42 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	FLUORENE	6.4 UG/KG	U	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	17 UG/KG			RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	NAPHTHALENE	6.4 UG/KG	U	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	PHENANTHRENE	25 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	2	C032CA7301	EPA 8270-M	U	PYRENE	61 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-72	SB	REG	4	C032CA7401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	4	C032CA7401	EPA 8270-M	U	ACENAPHTHENE	4.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	4	C032CA7401	EPA 8270-M	U	ACENAPHTHYLENE	4.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	4	C032CA7401	EPA 8270-M	U	ANTHRACENE	13 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	4	C032CA7401	EPA 8270-M	U	BENZ(A)ANTHRACENE	38 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	4	C032CA7401	EPA 8270-M	U	BENZO(A)PYRENE	52 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	4	C032CA7401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	36 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	4	C032CA7401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	24 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	4	C032CA7401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	37 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	4	C032CA7401	EPA 8270-M	U	CHRYSENE	43 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	4	C032CA7401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	4	C032CA7401	EPA 8270-M	U	FLUORANTHENE	100 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	4	C032CA7401	EPA 8270-M	U	FLUORENE	2.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	4	C032CA7401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	16 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	4	C032CA7401	EPA 8270-M	U	NAPHTHALENE	1.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	4	C032CA7401	EPA 8270-M	U	PHENANTHRENE	55 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-72	SB	REG	4	C032CA7401	EPA 8270-M	U	PYRENE	17 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	FD	0.5	C032CA7701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	FD	0.5	C032CA7701	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	FD	0.5	C032CA7701	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	FD	0.5	C032CA7701	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-73	SB	FD	0.5	C032CA7701	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	FD	0.5	C032CA7701	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	FD	0.5	C032CA7701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	FD	0.5	C032CA7701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	FD	0.5	C032CA7701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	FD	0.5	C032CA7701	EPA 8270-M	U	CHRYSENE	4.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	FD	0.5	C032CA7701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	FD	0.5	C032CA7701	EPA 8270-M	U	FLUORANTHENE	9.1 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	FD	0.5	C032CA7701	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	FD	0.5	C032CA7701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	FD	0.5	C032CA7701	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	FD	0.5	C032CA7701	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	FD	0.5	C032CA7701	EPA 8270-M	U	PYRENE	13 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	2-METHYLNAPHTHALENE	1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	ACENAPHTHENE	6.4 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	ACENAPHTHYLENE	15 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	ANTHRACENE	16 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	BENZ(A)ANTHRACENE	81 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	BENZO(A)PYRENE	120 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	88 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	73 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	89 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	CHRYSENE	86 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	13 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	FLUORANTHENE	180 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	FLUORENE	4.3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	43 UG/KG		R	000 REG	5/15/2002	5/16/2002	5/17/2002

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Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	PHENANTHRENE	99 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	PYRENE	34 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	R	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	ACENAPHTHENE	4.5 UG/KG	J	R	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	ACENAPHTHYLENE	9.6 UG/KG		R	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	ANTHRACENE	9.6 UG/KG		R	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	BENZ(A)ANTHRACENE	54 UG/KG		R	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	BENZO(A)PYRENE	86 UG/KG			RA0 REG	5/15/2002	5/22/2002	5/23/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	60 UG/KG			RA0 REG	5/15/2002	5/22/2002	5/23/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	79 UG/KG			RA0 REG	5/15/2002	5/22/2002	5/23/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	52 UG/KG			RA0 REG	5/15/2002	5/22/2002	5/23/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	CHRYSENE	61 UG/KG		R	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	11 UG/KG			RA0 REG	5/15/2002	5/22/2002	5/23/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	FLUORANTHENE	130 UG/KG		R	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	FLUORENE	2.4 UG/KG	J	R	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	60 UG/KG			RA0 REG	5/15/2002	5/22/2002	5/23/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	R	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	PHENANTHRENE	75 UG/KG		R	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32EDC-5-73	SB	REG	0	C032CA7501	EPA 8270-M	U	PYRENE	190 UG/KG		R	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32EDC-5-73	SB	REG	0.5	C032CA7601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0.5	C032CA7601	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0.5	C032CA7601	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0.5	C032CA7601	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0.5	C032CA7601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0.5	C032CA7601	EPA 8270-M	U	BENZO(A)PYRENE	6.7 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0.5	C032CA7601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-73	SB	REG	0.5	C032CA7601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0.5	C032CA7601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0.5	C032CA7601	EPA 8270-M	U	CHRYSENE	5.8 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0.5	C032CA7601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0.5	C032CA7601	EPA 8270-M	U	FLUORANTHENE	10 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0.5	C032CA7601	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0.5	C032CA7601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0.5	C032CA7601	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0.5	C032CA7601	EPA 8270-M	U	PHENANTHRENE	4.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	0.5	C032CA7601	EPA 8270-M	U	PYRENE	1.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	2	C032CA7801	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	2	C032CA7801	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	2	C032CA7801	EPA 8270-M	U	ACENAPHTHYLENE	35 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	2	C032CA7801	EPA 8270-M	U	ANTHRACENE	35 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	2	C032CA7801	EPA 8270-M	U	BENZ(A)ANTHRACENE	150 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	2	C032CA7801	EPA 8270-M	U	BENZO(A)PYRENE	200 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	2	C032CA7801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	140 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	2	C032CA7801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	100 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	2	C032CA7801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	140 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	2	C032CA7801	EPA 8270-M	U	CHRYSENE	150 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	2	C032CA7801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	19 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	2	C032CA7801	EPA 8270-M	U	FLUORANTHENE	350 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	2	C032CA7801	EPA 8270-M	U	FLUORENE	13 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	2	C032CA7801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	68 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	2	C032CA7801	EPA 8270-M	U	NAPHTHALENE	3.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	2	C032CA7801	EPA 8270-M	U	PHENANTHRENE	310 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	2	C032CA7801	EPA 8270-M	U	PYRENE	510 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	2-METHYLNAPHTHALENE	52 UG/KG	B	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	ACENAPHTHENE	62 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	ACENAPHTHYLENE	600 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	ANTHRACENE	540 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	BENZ(A)ANTHRACENE	2000 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	BENZO(A)PYRENE	2400 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1800 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1500 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1600 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	CHRYSENE	1800 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	370 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	FLUORANTHENE	4200 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	FLUORENE	490 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1600 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	NAPHTHALENE	100 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	PHENANTHRENE	4000 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	PYRENE	5200 UG/KG	E	R	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	2-METHYLNAPHTHALENE	55 UG/KG	JB	R	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	ACENAPHTHENE	86 UG/KG	JG	R	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	ACENAPHTHYLENE	900 UG/KG		J	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	ANTHRACENE	880 UG/KG		J	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	BENZ(A)ANTHRACENE	2700 UG/KG		J	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	BENZO(A)PYRENE	3800 UG/KG		J	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2500 UG/KG		J	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2700 UG/KG		J	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2100 UG/KG		J	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	CHRYSENE	2900 UG/KG		J	DL1 REG	5/15/2002	5/16/2002	5/22/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	620 UG/KG		J	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	FLUORANTHENE	7900 UG/KG	E	R	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	FLUORENE	640 UG/KG		J	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2400 UG/KG		J	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	NAPHTHALENE	120 UG/KG		R	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	PHENANTHRENE	7800 UG/KG	E	R	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	PYRENE	9100 UG/KG	E	R	DL1 REG	5/15/2002	5/16/2002	5/22/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	2-METHYLNAPHTHALENE	75 UG/KG	JB	R	DL2 REG	5/15/2002	5/16/2002	6/4/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	ACENAPHTHENE	94 UG/KG	J	R	DL2 REG	5/15/2002	5/16/2002	6/4/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	ACENAPHTHYLENE	830 UG/KG		R	DL2 REG	5/15/2002	5/16/2002	6/4/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	ANTHRACENE	870 UG/KG		R	DL2 REG	5/15/2002	5/16/2002	6/4/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	BENZ(A)ANTHRACENE	2700 UG/KG		R	DL2 REG	5/15/2002	5/16/2002	6/4/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	BENZO(A)PYRENE	3000 UG/KG		R	DL2 REG	5/15/2002	5/16/2002	6/4/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2600 UG/KG		R	DL2 REG	5/15/2002	5/16/2002	6/4/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2300 UG/KG		R	DL2 REG	5/15/2002	5/16/2002	6/4/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2300 UG/KG		R	DL2 REG	5/15/2002	5/16/2002	6/4/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	CHRYSENE	2800 UG/KG		R	DL2 REG	5/15/2002	5/16/2002	6/4/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	300 UG/KG		R	DL2 REG	5/15/2002	5/16/2002	6/4/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	FLUORANTHENE	7700 UG/KG			DL2 REG	5/15/2002	5/16/2002	6/4/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	FLUORENE	680 UG/KG		R	DL2 REG	5/15/2002	5/16/2002	6/4/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2200 UG/KG		R	DL2 REG	5/15/2002	5/16/2002	6/4/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	NAPHTHALENE	110 UG/KG	J	R	DL2 REG	5/15/2002	5/16/2002	6/4/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	PHENANTHRENE	7500 UG/KG			DL2 REG	5/15/2002	5/16/2002	6/4/2002
32EDC-5-73	SB	REG	4	C032CA7901	EPA 8270-M	U	PYRENE	9700 UG/KG			DL2 REG	5/15/2002	5/16/2002	6/4/2002
32EDC-5-74	SB	REG	0	C032CA8001	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.6 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0	C032CA8001	EPA 8270-M	U	ACENAPHTHENE	8.5 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0	C032CA8001	EPA 8270-M	U	ACENAPHTHYLENE	34 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-74	SB	REG	0	C032CA8001	EPA 8270-M	U	ANTHRACENE	22 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0	C032CA8001	EPA 8270-M	U	BENZ(A)ANTHRACENE	170 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0	C032CA8001	EPA 8270-M	U	BENZO(A)PYRENE	290 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0	C032CA8001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	240 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0	C032CA8001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	170 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0	C032CA8001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	150 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0	C032CA8001	EPA 8270-M	U	CHRYSENE	220 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0	C032CA8001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	29 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0	C032CA8001	EPA 8270-M	U	FLUORANTHENE	300 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0	C032CA8001	EPA 8270-M	U	FLUORENE	8.7 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0	C032CA8001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	100 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0	C032CA8001	EPA 8270-M	U	NAPHTHALENE	9.6 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0	C032CA8001	EPA 8270-M	U	PHENANTHRENE	110 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0	C032CA8001	EPA 8270-M	U	PYRENE	480 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	ACENAPHTHYLENE	40 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	ANTHRACENE	18 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	BENZ(A)ANTHRACENE	79 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	BENZO(A)PYRENE	130 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	90 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	85 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	88 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	CHRYSENE	92 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	13 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	FLUORANTHENE	230 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	FLUORENE	12 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	59 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	NAPHTHALENE	11 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	PHENANTHRENE	280 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	PYRENE	40 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	ACENAPHTHENE	4.5 UG/KG	J	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	ACENAPHTHYLENE	15 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	ANTHRACENE	6.8 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	BENZ(A)ANTHRACENE	38 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	BENZO(A)PYRENE	68 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	48 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	58 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	39 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	CHRYSENE	49 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	8 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	FLUORANTHENE	98 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	FLUORENE	5.2 UG/KG	J	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	44 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	PHENANTHRENE	72 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-74	SB	REG	0.5	C032CA8101	EPA 8270-M	U	PYRENE	130 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32EDC-5-74	SB	REG	2	C032CA8201	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	2	C032CA8201	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	2	C032CA8201	EPA 8270-M	U	ACENAPHTHYLENE	3.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	2	C032CA8201	EPA 8270-M	U	ANTHRACENE	3.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	2	C032CA8201	EPA 8270-M	U	BENZ(A)ANTHRACENE	21 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	2	C032CA8201	EPA 8270-M	U	BENZO(A)PYRENE	39 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-74	SB	REG	2	C032CA8201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	38 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	2	C032CA8201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	25 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	2	C032CA8201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	16 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	2	C032CA8201	EPA 8270-M	U	CHRYSENE	42 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	2	C032CA8201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	2	C032CA8201	EPA 8270-M	U	FLUORANTHENE	39 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	2	C032CA8201	EPA 8270-M	U	FLUORENE	2.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	2	C032CA8201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	15 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	2	C032CA8201	EPA 8270-M	U	NAPHTHALENE	3.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	2	C032CA8201	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-74	SB	REG	2	C032CA8201	EPA 8270-M	U	PYRENE	63 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32EDC-5-75	SB	FD	4	C032CA8801	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.46 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	FD	4	C032CA8801	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	FD	4	C032CA8801	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	FD	4	C032CA8801	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	FD	4	C032CA8801	EPA 8270-M	U	BENZ(A)ANTHRACENE	2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	FD	4	C032CA8801	EPA 8270-M	U	BENZO(A)PYRENE	2.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	FD	4	C032CA8801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	FD	4	C032CA8801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	FD	4	C032CA8801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	FD	4	C032CA8801	EPA 8270-M	U	CHRYSENE	2.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	FD	4	C032CA8801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.39 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	FD	4	C032CA8801	EPA 8270-M	U	FLUORANTHENE	3.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	FD	4	C032CA8801	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	FD	4	C032CA8801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	FD	4	C032CA8801	EPA 8270-M	U	NAPHTHALENE	0.55 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	FD	4	C032CA8801	EPA 8270-M	U	PHENANTHRENE	1.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-75	SB	FD	4	C032CA8801	EPA 8270-M	U	PYRENE	5.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0	C032CA8401	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.3 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0	C032CA8401	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0	C032CA8401	EPA 8270-M	U	ACENAPHTHYLENE	2.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0	C032CA8401	EPA 8270-M	U	ANTHRACENE	1.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0	C032CA8401	EPA 8270-M	U	BENZ(A)ANTHRACENE	16 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0	C032CA8401	EPA 8270-M	U	BENZO(A)PYRENE	21 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0	C032CA8401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	16 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0	C032CA8401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	21 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0	C032CA8401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	21 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0	C032CA8401	EPA 8270-M	U	CHRYSENE	20 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0	C032CA8401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0	C032CA8401	EPA 8270-M	U	FLUORANTHENE	31 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0	C032CA8401	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0	C032CA8401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	22 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0	C032CA8401	EPA 8270-M	U	NAPHTHALENE	5.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0	C032CA8401	EPA 8270-M	U	PHENANTHRENE	16 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0	C032CA8401	EPA 8270-M	U	PYRENE	33 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0.5	C032CA8501	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0.5	C032CA8501	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0.5	C032CA8501	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0.5	C032CA8501	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0.5	C032CA8501	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0.5	C032CA8501	EPA 8270-M	U	BENZO(A)PYRENE	3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0.5	C032CA8501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0.5	C032CA8501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0.5	C032CA8501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-75	SB	REG	0.5	C032CA8501	EPA 8270-M	U	CHRYSENE	2.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0.5	C032CA8501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.64 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0.5	C032CA8501	EPA 8270-M	U	FLUORANTHENE	3.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0.5	C032CA8501	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0.5	C032CA8501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0.5	C032CA8501	EPA 8270-M	U	NAPHTHALENE	1.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0.5	C032CA8501	EPA 8270-M	U	PHENANTHRENE	1.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	0.5	C032CA8501	EPA 8270-M	U	PYRENE	4.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	2	C032CA8601	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.96 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	2	C032CA8601	EPA 8270-M	U	ACENAPHTHENE	2.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	2	C032CA8601	EPA 8270-M	U	ACENAPHTHYLENE	21 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	2	C032CA8601	EPA 8270-M	U	ANTHRACENE	19 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	2	C032CA8601	EPA 8270-M	U	BENZ(A)ANTHRACENE	110 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	2	C032CA8601	EPA 8270-M	U	BENZO(A)PYRENE	120 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	2	C032CA8601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	100 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	2	C032CA8601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	110 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	2	C032CA8601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	76 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	2	C032CA8601	EPA 8270-M	U	CHRYSENE	92 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	2	C032CA8601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	13 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	2	C032CA8601	EPA 8270-M	U	FLUORANTHENE	220 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	2	C032CA8601	EPA 8270-M	U	FLUORENE	5.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	2	C032CA8601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	100 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	2	C032CA8601	EPA 8270-M	U	NAPHTHALENE	3.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	2	C032CA8601	EPA 8270-M	U	PHENANTHRENE	110 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	2	C032CA8601	EPA 8270-M	U	PYRENE	270 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	4	C032CA8701	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.57 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	4	C032CA8701	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-75	SB	REG	4	C032CA8701	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	4	C032CA8701	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	4	C032CA8701	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	4	C032CA8701	EPA 8270-M	U	BENZO(A)PYRENE	3.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	4	C032CA8701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	4	C032CA8701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	4	C032CA8701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	4	C032CA8701	EPA 8270-M	U	CHRYSENE	2.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	4	C032CA8701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.32 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	4	C032CA8701	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	4	C032CA8701	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	4	C032CA8701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	4	C032CA8701	EPA 8270-M	U	NAPHTHALENE	0.77 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	4	C032CA8701	EPA 8270-M	U	PHENANTHRENE	2.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-75	SB	REG	4	C032CA8701	EPA 8270-M	U	PYRENE	6.9 UG/KG			000 REG	5/20/2002	5/21/2002	5/25/2002
32EDC-5-76	SB	REG	0	C032CA8901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0	C032CA8901	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0	C032CA8901	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0	C032CA8901	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0	C032CA8901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0	C032CA8901	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0	C032CA8901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0	C032CA8901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0	C032CA8901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0	C032CA8901	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0	C032CA8901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0	C032CA8901	EPA 8270-M	U	FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-76	SB	REG	0	C032CA8901	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0	C032CA8901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0	C032CA8901	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0	C032CA8901	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0	C032CA8901	EPA 8270-M	U	PYRENE	2.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0.5	C032CA9001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0.5	C032CA9001	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0.5	C032CA9001	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0.5	C032CA9001	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0.5	C032CA9001	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0.5	C032CA9001	EPA 8270-M	U	BENZO(A)PYRENE	3.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0.5	C032CA9001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0.5	C032CA9001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0.5	C032CA9001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0.5	C032CA9001	EPA 8270-M	U	CHRYSENE	4.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0.5	C032CA9001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0.5	C032CA9001	EPA 8270-M	U	FLUORANTHENE	4.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0.5	C032CA9001	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0.5	C032CA9001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0.5	C032CA9001	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0.5	C032CA9001	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	0.5	C032CA9001	EPA 8270-M	U	PYRENE	6.3 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	2	C032CA9101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	2	C032CA9101	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	2	C032CA9101	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	2	C032CA9101	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	2	C032CA9101	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-76	SB	REG	2	C032CA9101	EPA 8270-M	U	BENZO(A)PYRENE	2.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	2	C032CA9101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	2	C032CA9101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	2	C032CA9101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	2	C032CA9101	EPA 8270-M	U	CHRYSENE	3.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	2	C032CA9101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	2	C032CA9101	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	2	C032CA9101	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	2	C032CA9101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	2	C032CA9101	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	2	C032CA9101	EPA 8270-M	U	PHENANTHRENE	2.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	2	C032CA9101	EPA 8270-M	U	PYRENE	5.8 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	4	C032CA9201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	4	C032CA9201	EPA 8270-M	U	ACENAPHTHENE	2.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	4	C032CA9201	EPA 8270-M	U	ACENAPHTHYLENE	4.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	4	C032CA9201	EPA 8270-M	U	ANTHRACENE	11 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	4	C032CA9201	EPA 8270-M	U	BENZ(A)ANTHRACENE	55 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	4	C032CA9201	EPA 8270-M	U	BENZO(A)PYRENE	86 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	4	C032CA9201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	62 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	4	C032CA9201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	90 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	4	C032CA9201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	67 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	4	C032CA9201	EPA 8270-M	U	CHRYSENE	79 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	4	C032CA9201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.9 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	4	C032CA9201	EPA 8270-M	U	FLUORANTHENE	150 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	4	C032CA9201	EPA 8270-M	U	FLUORENE	1.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	4	C032CA9201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	71 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	4	C032CA9201	EPA 8270-M	U	NAPHTHALENE	8.9 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-76	SB	REG	4	C032CA9201	EPA 8270-M	U	PHENANTHRENE	56 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-76	SB	REG	4	C032CA9201	EPA 8270-M	U	PYRENE	190 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-77	SB	REG	0	C032CA9301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0	C032CA9301	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0	C032CA9301	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0	C032CA9301	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0	C032CA9301	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0	C032CA9301	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0	C032CA9301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0	C032CA9301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0	C032CA9301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0	C032CA9301	EPA 8270-M	U	CHRYSENE	2.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0	C032CA9301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0	C032CA9301	EPA 8270-M	U	FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0	C032CA9301	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0	C032CA9301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.8 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0	C032CA9301	EPA 8270-M	U	NAPHTHALENE	0.49 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0	C032CA9301	EPA 8270-M	U	PHENANTHRENE	1.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0	C032CA9301	EPA 8270-M	U	PYRENE	2.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0.5	C032CA9401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0.5	C032CA9401	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0.5	C032CA9401	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0.5	C032CA9401	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0.5	C032CA9401	EPA 8270-M	U	BENZ(A)ANTHRACENE	1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0.5	C032CA9401	EPA 8270-M	U	BENZO(A)PYRENE	3.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0.5	C032CA9401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0.5	C032CA9401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-77	SB	REG	0.5	C032CA9401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0.5	C032CA9401	EPA 8270-M	U	CHRYSENE	1.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0.5	C032CA9401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0.5	C032CA9401	EPA 8270-M	U	FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0.5	C032CA9401	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0.5	C032CA9401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0.5	C032CA9401	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0.5	C032CA9401	EPA 8270-M	U	PHENANTHRENE	0.77 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	0.5	C032CA9401	EPA 8270-M	U	PYRENE	3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-5-77	SB	REG	2	C032CA9501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	2	C032CA9501	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	2	C032CA9501	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	2	C032CA9501	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	2	C032CA9501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	JB	UJ	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	2	C032CA9501	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	2	C032CA9501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	2	C032CA9501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	2	C032CA9501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	2	C032CA9501	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	2	C032CA9501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	2	C032CA9501	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	2	C032CA9501	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	2	C032CA9501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	2	C032CA9501	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	2	C032CA9501	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	JB	UJ	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	2	C032CA9501	EPA 8270-M	U	PYRENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	4	C032CA9601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-77	SB	REG	4	C032CA9601	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	4	C032CA9601	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	4	C032CA9601	EPA 8270-M	U	ANTHRACENE	1.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	4	C032CA9601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	JB	UJ	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	4	C032CA9601	EPA 8270-M	U	BENZO(A)PYRENE	4 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	4	C032CA9601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	4	C032CA9601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	4	C032CA9601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	4	C032CA9601	EPA 8270-M	U	CHRYSENE	4.4 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	4	C032CA9601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	4	C032CA9601	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	4	C032CA9601	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	4	C032CA9601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	4	C032CA9601	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	4	C032CA9601	EPA 8270-M	U	PHENANTHRENE	4.5 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-77	SB	REG	4	C032CA9601	EPA 8270-M	U	PYRENE	9.3 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	FD	0.5	C032CA9901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	FD	0.5	C032CA9901	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	FD	0.5	C032CA9901	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	FD	0.5	C032CA9901	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	FD	0.5	C032CA9901	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	FD	0.5	C032CA9901	EPA 8270-M	U	BENZO(A)PYRENE	4.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	FD	0.5	C032CA9901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	FD	0.5	C032CA9901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.5 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	FD	0.5	C032CA9901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	FD	0.5	C032CA9901	EPA 8270-M	U	CHRYSENE	3.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	FD	0.5	C032CA9901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-78	SB	FD	0.5	C032CA9901	EPA 8270-M	U	FLUORANTHENE	4.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	FD	0.5	C032CA9901	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	FD	0.5	C032CA9901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	FD	0.5	C032CA9901	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	FD	0.5	C032CA9901	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	FD	0.5	C032CA9901	EPA 8270-M	U	PYRENE	6.7 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	2	C032CA0001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	2	C032CA0001	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	2	C032CA0001	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	2	C032CA0001	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	2	C032CA0001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	2	C032CA0001	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	2	C032CA0001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	2	C032CA0001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	2	C032CA0001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	2	C032CA0001	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	2	C032CA0001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	2	C032CA0001	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	2	C032CA0001	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	2	C032CA0001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	2	C032CA0001	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	2	C032CA0001	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	2	C032CA0001	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0	C032CA9701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0	C032CA9701	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0	C032CA9701	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0	C032CA9701	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-78	SB	REG	0	C032CA9701	EPA 8270-M	U	BENZ(A)ANTHRACENE	2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0	C032CA9701	EPA 8270-M	U	BENZO(A)PYRENE	3.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0	C032CA9701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0	C032CA9701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.5 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0	C032CA9701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0	C032CA9701	EPA 8270-M	U	CHRYSENE	3.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0	C032CA9701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0	C032CA9701	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0	C032CA9701	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0	C032CA9701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0	C032CA9701	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0	C032CA9701	EPA 8270-M	U	PHENANTHRENE	3.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0	C032CA9701	EPA 8270-M	U	PYRENE	6 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0.5	C032CA9801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0.5	C032CA9801	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0.5	C032CA9801	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0.5	C032CA9801	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0.5	C032CA9801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0.5	C032CA9801	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0.5	C032CA9801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0.5	C032CA9801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0.5	C032CA9801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0.5	C032CA9801	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0.5	C032CA9801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0.5	C032CA9801	EPA 8270-M	U	FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0.5	C032CA9801	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0.5	C032CA9801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-78	SB	REG	0.5	C032CA9801	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0.5	C032CA9801	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	0.5	C032CA9801	EPA 8270-M	U	PYRENE	2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	4	C032CB0101	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	4	C032CB0101	EPA 8270-M	U	ACENAPHTHENE	1.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	4	C032CB0101	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	4	C032CB0101	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	4	C032CB0101	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.4 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	4	C032CB0101	EPA 8270-M	U	BENZO(A)PYRENE	18 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	4	C032CB0101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	11 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	4	C032CB0101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	20 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	4	C032CB0101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8.7 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	4	C032CB0101	EPA 8270-M	U	CHRYSENE	7.9 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	4	C032CB0101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	4	C032CB0101	EPA 8270-M	U	FLUORANTHENE	10 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	4	C032CB0101	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	4	C032CB0101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	18 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	4	C032CB0101	EPA 8270-M	U	NAPHTHALENE	4.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	4	C032CB0101	EPA 8270-M	U	PHENANTHRENE	3.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-78	SB	REG	4	C032CB0101	EPA 8270-M	U	PYRENE	26 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-5-79	SB	REG	0	C032CB0201	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.4 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0	C032CB0201	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0	C032CB0201	EPA 8270-M	U	ACENAPHTHYLENE	1.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0	C032CB0201	EPA 8270-M	U	ANTHRACENE	0.67 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0	C032CB0201	EPA 8270-M	U	BENZ(A)ANTHRACENE	7.5 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0	C032CB0201	EPA 8270-M	U	BENZO(A)PYRENE	18 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0	C032CB0201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	12 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-79	SB	REG	0	C032CB0201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	26 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0	C032CB0201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	10 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0	C032CB0201	EPA 8270-M	U	CHRYSENE	8.6 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0	C032CB0201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0	C032CB0201	EPA 8270-M	U	FLUORANTHENE	14 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0	C032CB0201	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0	C032CB0201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	25 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0	C032CB0201	EPA 8270-M	U	NAPHTHALENE	0.54 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0	C032CB0201	EPA 8270-M	U	PHENANTHRENE	2.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0	C032CB0201	EPA 8270-M	U	PYRENE	20 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0.5	C032CB0301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0.5	C032CB0301	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0.5	C032CB0301	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0.5	C032CB0301	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0.5	C032CB0301	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.98 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0.5	C032CB0301	EPA 8270-M	U	BENZO(A)PYRENE	2.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0.5	C032CB0301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0.5	C032CB0301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0.5	C032CB0301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.4 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0.5	C032CB0301	EPA 8270-M	U	CHRYSENE	1.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0.5	C032CB0301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.29 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0.5	C032CB0301	EPA 8270-M	U	FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0.5	C032CB0301	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0.5	C032CB0301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0.5	C032CB0301	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0.5	C032CB0301	EPA 8270-M	U	PHENANTHRENE	0.59 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	0.5	C032CB0301	EPA 8270-M	U	PYRENE	2.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-79	SB	REG	2	C032CB0401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	2	C032CB0401	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	2	C032CB0401	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	2	C032CB0401	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	2	C032CB0401	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.83 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	2	C032CB0401	EPA 8270-M	U	BENZO(A)PYRENE	1.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	2	C032CB0401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	2	C032CB0401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	2	C032CB0401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	2	C032CB0401	EPA 8270-M	U	CHRYSENE	0.96 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	2	C032CB0401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	2	C032CB0401	EPA 8270-M	U	FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	2	C032CB0401	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	2	C032CB0401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	2	C032CB0401	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	2	C032CB0401	EPA 8270-M	U	PHENANTHRENE	0.42 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	2	C032CB0401	EPA 8270-M	U	PYRENE	1.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	4	C032CB0501	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.86 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	4	C032CB0501	EPA 8270-M	U	ACENAPHTHENE	6.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	4	C032CB0501	EPA 8270-M	U	ACENAPHTHYLENE	2.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	4	C032CB0501	EPA 8270-M	U	ANTHRACENE	1.4 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	4	C032CB0501	EPA 8270-M	U	BENZ(A)ANTHRACENE	34 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	4	C032CB0501	EPA 8270-M	U	BENZO(A)PYRENE	59 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	4	C032CB0501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	36 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	4	C032CB0501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	48 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	4	C032CB0501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	32 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	4	C032CB0501	EPA 8270-M	U	CHRYSENE	38 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-79	SB	REG	4	C032CB0501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.4 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	4	C032CB0501	EPA 8270-M	U	FLUORANTHENE	42 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	4	C032CB0501	EPA 8270-M	U	FLUORENE	6.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	4	C032CB0501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	52 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	4	C032CB0501	EPA 8270-M	U	NAPHTHALENE	1.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	4	C032CB0501	EPA 8270-M	U	PHENANTHRENE	3.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-79	SB	REG	4	C032CB0501	EPA 8270-M	U	PYRENE	65 UG/KG			000 REG	5/23/2002	5/24/2002	5/26/2002
32EDC-5-8	SB	FD	0.5	C032C79101	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.41 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	FD	0.5	C032C79101	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	FD	0.5	C032C79101	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	FD	0.5	C032C79101	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	FD	0.5	C032C79101	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.59 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	FD	0.5	C032C79101	EPA 8270-M	U	BENZO(A)PYRENE	0.82 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	FD	0.5	C032C79101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.77 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	FD	0.5	C032C79101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.84 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	FD	0.5	C032C79101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	FD	0.5	C032C79101	EPA 8270-M	U	CHRYSENE	0.98 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	FD	0.5	C032C79101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	FD	0.5	C032C79101	EPA 8270-M	U	FLUORANTHENE	0.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	FD	0.5	C032C79101	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	FD	0.5	C032C79101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.83 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	FD	0.5	C032C79101	EPA 8270-M	U	NAPHTHALENE	0.45 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	FD	0.5	C032C79101	EPA 8270-M	U	PHENANTHRENE	0.64 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	FD	0.5	C032C79101	EPA 8270-M	U	PYRENE	1.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	0	C032C78901	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0	C032C78901	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0	C032C78901	EPA 8270-M	U	ACENAPHTHYLENE	1.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-8	SB	REG	0	C032C78901	EPA 8270-M	U	ANTHRACENE	2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0	C032C78901	EPA 8270-M	U	BENZ(A)ANTHRACENE	12 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0	C032C78901	EPA 8270-M	U	BENZO(A)PYRENE	22 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0	C032C78901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	20 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0	C032C78901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	24 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0	C032C78901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	24 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0	C032C78901	EPA 8270-M	U	CHRYSENE	21 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0	C032C78901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0	C032C78901	EPA 8270-M	U	FLUORANTHENE	29 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0	C032C78901	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0	C032C78901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	22 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0	C032C78901	EPA 8270-M	U	NAPHTHALENE	2.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0	C032C78901	EPA 8270-M	U	PHENANTHRENE	15 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0	C032C78901	EPA 8270-M	U	PYRENE	34 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0.5	C032C79001	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.79 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0.5	C032C79001	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0.5	C032C79001	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0.5	C032C79001	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0.5	C032C79001	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.82 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0.5	C032C79001	EPA 8270-M	U	BENZO(A)PYRENE	1.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0.5	C032C79001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0.5	C032C79001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0.5	C032C79001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0.5	C032C79001	EPA 8270-M	U	CHRYSENE	1.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0.5	C032C79001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.24 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0.5	C032C79001	EPA 8270-M	U	FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0.5	C032C79001	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-8	SB	REG	0.5	C032C79001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0.5	C032C79001	EPA 8270-M	U	NAPHTHALENE	0.56 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0.5	C032C79001	EPA 8270-M	U	PHENANTHRENE	1.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	0.5	C032C79001	EPA 8270-M	U	PYRENE	1.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-8	SB	REG	2	C032C79201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	2	C032C79201	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	2	C032C79201	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	2	C032C79201	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	2	C032C79201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	2	C032C79201	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	2	C032C79201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	2	C032C79201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	2	C032C79201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.61 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	2	C032C79201	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	2	C032C79201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	2	C032C79201	EPA 8270-M	U	FLUORANTHENE	0.34 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	2	C032C79201	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	2	C032C79201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	2	C032C79201	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	2	C032C79201	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	2	C032C79201	EPA 8270-M	U	PYRENE	0.56 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	4	C032C79301	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	4	C032C79301	EPA 8270-M	U	ACENAPHTHENE	6.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	4	C032C79301	EPA 8270-M	U	ACENAPHTHYLENE	6.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	4	C032C79301	EPA 8270-M	U	ANTHRACENE	6.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	4	C032C79301	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.83 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	4	C032C79301	EPA 8270-M	U	BENZO(A)PYRENE	2.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-8	SB	REG	4	C032C79301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	4	C032C79301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	4	C032C79301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	4	C032C79301	EPA 8270-M	U	CHRYSENE	1.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	4	C032C79301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	4	C032C79301	EPA 8270-M	U	FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	4	C032C79301	EPA 8270-M	U	FLUORENE	6.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	4	C032C79301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	4	C032C79301	EPA 8270-M	U	NAPHTHALENE	6.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	4	C032C79301	EPA 8270-M	U	PHENANTHRENE	0.45 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-8	SB	REG	4	C032C79301	EPA 8270-M	U	PYRENE	4.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32EDC-5-80	SB	FD	4	C032CB1001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	FD	4	C032CB1001	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	FD	4	C032CB1001	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	FD	4	C032CB1001	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	FD	4	C032CB1001	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	FD	4	C032CB1001	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	FD	4	C032CB1001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	FD	4	C032CB1001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	FD	4	C032CB1001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	FD	4	C032CB1001	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	FD	4	C032CB1001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	FD	4	C032CB1001	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	FD	4	C032CB1001	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	FD	4	C032CB1001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	FD	4	C032CB1001	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	FD	4	C032CB1001	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-80	SB	FD	4	C032CB1001	EPA 8270-M	U	PYRENE	3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0	C032CB0601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0	C032CB0601	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0	C032CB0601	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0	C032CB0601	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0	C032CB0601	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.4 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0	C032CB0601	EPA 8270-M	U	BENZO(A)PYRENE	7 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0	C032CB0601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0	C032CB0601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.6 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0	C032CB0601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0	C032CB0601	EPA 8270-M	U	CHRYSENE	6 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0	C032CB0601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0	C032CB0601	EPA 8270-M	U	FLUORANTHENE	7.5 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0	C032CB0601	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0	C032CB0601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0	C032CB0601	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0	C032CB0601	EPA 8270-M	U	PHENANTHRENE	1.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0	C032CB0601	EPA 8270-M	U	PYRENE	9.9 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0.5	C032CB0701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0.5	C032CB0701	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0.5	C032CB0701	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0.5	C032CB0701	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0.5	C032CB0701	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0.5	C032CB0701	EPA 8270-M	U	BENZO(A)PYRENE	3.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0.5	C032CB0701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.4 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0.5	C032CB0701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0.5	C032CB0701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-80	SB	REG	0.5	C032CB0701	EPA 8270-M	U	CHRYSENE	2.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0.5	C032CB0701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0.5	C032CB0701	EPA 8270-M	U	FLUORANTHENE	4.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0.5	C032CB0701	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0.5	C032CB0701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0.5	C032CB0701	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0.5	C032CB0701	EPA 8270-M	U	PHENANTHRENE	1.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	0.5	C032CB0701	EPA 8270-M	U	PYRENE	5.9 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	2	C032CB0801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	2	C032CB0801	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	2	C032CB0801	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	2	C032CB0801	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	2	C032CB0801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	2	C032CB0801	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	2	C032CB0801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	2	C032CB0801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	2	C032CB0801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	2	C032CB0801	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	2	C032CB0801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	2	C032CB0801	EPA 8270-M	U	FLUORANTHENE	2.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	2	C032CB0801	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	2	C032CB0801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	2	C032CB0801	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	2	C032CB0801	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	2	C032CB0801	EPA 8270-M	U	PYRENE	3.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	4	C032CB0901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	4	C032CB0901	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-80	SB	REG	4	C032CB0901	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	4	C032CB0901	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	4	C032CB0901	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	4	C032CB0901	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	4	C032CB0901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	4	C032CB0901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	4	C032CB0901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	4	C032CB0901	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	4	C032CB0901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	4	C032CB0901	EPA 8270-M	U	FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	4	C032CB0901	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	4	C032CB0901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	4	C032CB0901	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	4	C032CB0901	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-80	SB	REG	4	C032CB0901	EPA 8270-M	U	PYRENE	4.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-81	SB	REG	0	C032CB1101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0	C032CB1101	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0	C032CB1101	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0	C032CB1101	EPA 8270-M	U	ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0	C032CB1101	EPA 8270-M	U	BENZ(A)ANTHRACENE	7.9 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0	C032CB1101	EPA 8270-M	U	BENZO(A)PYRENE	9.8 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0	C032CB1101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	12 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0	C032CB1101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	18 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0	C032CB1101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9.5 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0	C032CB1101	EPA 8270-M	U	CHRYSENE	12 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0	C032CB1101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0	C032CB1101	EPA 8270-M	U	FLUORANTHENE	17 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-81	SB	REG	0	C032CB1101	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0	C032CB1101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	9.8 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0	C032CB1101	EPA 8270-M	U	NAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0	C032CB1101	EPA 8270-M	U	PHENANTHRENE	8.6 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0	C032CB1101	EPA 8270-M	U	PYRENE	20 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0.5	C032CB1201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0.5	C032CB1201	EPA 8270-M	U	ACENAPHTHENE	6.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0.5	C032CB1201	EPA 8270-M	U	ACENAPHTHYLENE	6.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0.5	C032CB1201	EPA 8270-M	U	ANTHRACENE	6.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0.5	C032CB1201	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.5 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0.5	C032CB1201	EPA 8270-M	U	BENZO(A)PYRENE	6.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0.5	C032CB1201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0.5	C032CB1201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	21 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0.5	C032CB1201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.5 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0.5	C032CB1201	EPA 8270-M	U	CHRYSENE	6.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0.5	C032CB1201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0.5	C032CB1201	EPA 8270-M	U	FLUORANTHENE	6.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0.5	C032CB1201	EPA 8270-M	U	FLUORENE	6.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0.5	C032CB1201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0.5	C032CB1201	EPA 8270-M	U	NAPHTHALENE	6.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0.5	C032CB1201	EPA 8270-M	U	PHENANTHRENE	6.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	0.5	C032CB1201	EPA 8270-M	U	PYRENE	2.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	2	C032CB1301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	2	C032CB1301	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	2	C032CB1301	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	2	C032CB1301	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	2	C032CB1301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-81	SB	REG	2	C032CB1301	EPA 8270-M	U	BENZO(A)PYRENE	9.1 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	2	C032CB1301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.4 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	2	C032CB1301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	13 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	2	C032CB1301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	2	C032CB1301	EPA 8270-M	U	CHRYSENE	8.5 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	2	C032CB1301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	2	C032CB1301	EPA 8270-M	U	FLUORANTHENE	11 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	2	C032CB1301	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	2	C032CB1301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.1 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	2	C032CB1301	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	2	C032CB1301	EPA 8270-M	U	PHENANTHRENE	4.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	2	C032CB1301	EPA 8270-M	U	PYRENE	15 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	4	C032CB1401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	4	C032CB1401	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	4	C032CB1401	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	4	C032CB1401	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	4	C032CB1401	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.8 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	4	C032CB1401	EPA 8270-M	U	BENZO(A)PYRENE	15 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	4	C032CB1401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	11 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	4	C032CB1401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	16 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	4	C032CB1401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	10 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	4	C032CB1401	EPA 8270-M	U	CHRYSENE	9.5 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	4	C032CB1401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	4	C032CB1401	EPA 8270-M	U	FLUORANTHENE	18 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	4	C032CB1401	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	4	C032CB1401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	14 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	4	C032CB1401	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-81	SB	REG	4	C032CB1401	EPA 8270-M	U	PHENANTHRENE	4.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-81	SB	REG	4	C032CB1401	EPA 8270-M	U	PYRENE	29 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0	C032CB1501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0	C032CB1501	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0	C032CB1501	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0	C032CB1501	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0	C032CB1501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0	C032CB1501	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0	C032CB1501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0	C032CB1501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0	C032CB1501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0	C032CB1501	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0	C032CB1501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0	C032CB1501	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0	C032CB1501	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0	C032CB1501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0	C032CB1501	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0	C032CB1501	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0	C032CB1501	EPA 8270-M	U	PYRENE	1.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0.5	C032CB1601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0.5	C032CB1601	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0.5	C032CB1601	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0.5	C032CB1601	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0.5	C032CB1601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0.5	C032CB1601	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0.5	C032CB1601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0.5	C032CB1601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-82	SB	REG	0.5	C032CB1601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0.5	C032CB1601	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0.5	C032CB1601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0.5	C032CB1601	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0.5	C032CB1601	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0.5	C032CB1601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0.5	C032CB1601	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0.5	C032CB1601	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	0.5	C032CB1601	EPA 8270-M	U	PYRENE	1.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	2	C032CB1701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	2	C032CB1701	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	2	C032CB1701	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	2	C032CB1701	EPA 8270-M	U	ANTHRACENE	2.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	2	C032CB1701	EPA 8270-M	U	BENZ(A)ANTHRACENE	22 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	2	C032CB1701	EPA 8270-M	U	BENZO(A)PYRENE	32 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	2	C032CB1701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	36 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	2	C032CB1701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	31 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	2	C032CB1701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	12 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	2	C032CB1701	EPA 8270-M	U	CHRYSENE	33 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	2	C032CB1701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	2	C032CB1701	EPA 8270-M	U	FLUORANTHENE	36 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	2	C032CB1701	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	2	C032CB1701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	32 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	2	C032CB1701	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	2	C032CB1701	EPA 8270-M	U	PHENANTHRENE	9.9 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	2	C032CB1701	EPA 8270-M	U	PYRENE	44 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	4	C032CB1801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-82	SB	REG	4	C032CB1801	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	4	C032CB1801	EPA 8270-M	U	ACENAPHTHYLENE	2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	4	C032CB1801	EPA 8270-M	U	ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	4	C032CB1801	EPA 8270-M	U	BENZ(A)ANTHRACENE	16 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	4	C032CB1801	EPA 8270-M	U	BENZO(A)PYRENE	27 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	4	C032CB1801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	28 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	4	C032CB1801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	32 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	4	C032CB1801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8.4 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	4	C032CB1801	EPA 8270-M	U	CHRYSENE	18 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	4	C032CB1801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	4	C032CB1801	EPA 8270-M	U	FLUORANTHENE	34 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	4	C032CB1801	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	4	C032CB1801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	31 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	4	C032CB1801	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	4	C032CB1801	EPA 8270-M	U	PHENANTHRENE	9.4 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-82	SB	REG	4	C032CB1801	EPA 8270-M	U	PYRENE	50 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-83	SB	FD	0.5	C032CB2101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	FD	0.5	C032CB2101	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	FD	0.5	C032CB2101	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	FD	0.5	C032CB2101	EPA 8270-M	U	ANTHRACENE	1.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	FD	0.5	C032CB2101	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	FD	0.5	C032CB2101	EPA 8270-M	U	BENZO(A)PYRENE	2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	FD	0.5	C032CB2101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	FD	0.5	C032CB2101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	FD	0.5	C032CB2101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	FD	0.5	C032CB2101	EPA 8270-M	U	CHRYSENE	1.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	FD	0.5	C032CB2101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.33 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-83	SB	FD	0.5	C032CB2101	EPA 8270-M	U	FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	FD	0.5	C032CB2101	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	FD	0.5	C032CB2101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	FD	0.5	C032CB2101	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	FD	0.5	C032CB2101	EPA 8270-M	U	PHENANTHRENE	0.58 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	FD	0.5	C032CB2101	EPA 8270-M	U	PYRENE	1.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0	C032CB1901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0	C032CB1901	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0	C032CB1901	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0	C032CB1901	EPA 8270-M	U	ANTHRACENE	0.71 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0	C032CB1901	EPA 8270-M	U	BENZ(A)ANTHRACENE	9.7 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0	C032CB1901	EPA 8270-M	U	BENZO(A)PYRENE	12 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0	C032CB1901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	13 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0	C032CB1901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	10 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0	C032CB1901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	13 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0	C032CB1901	EPA 8270-M	U	CHRYSENE	12 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0	C032CB1901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0	C032CB1901	EPA 8270-M	U	FLUORANTHENE	14 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0	C032CB1901	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0	C032CB1901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	10 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0	C032CB1901	EPA 8270-M	U	NAPHTHALENE	0.51 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0	C032CB1901	EPA 8270-M	U	PHENANTHRENE	4.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0	C032CB1901	EPA 8270-M	U	PYRENE	14 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0.5	C032CB2001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0.5	C032CB2001	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0.5	C032CB2001	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0.5	C032CB2001	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-83	SB	REG	0.5	C032CB2001	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0.5	C032CB2001	EPA 8270-M	U	BENZO(A)PYRENE	2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0.5	C032CB2001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0.5	C032CB2001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0.5	C032CB2001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0.5	C032CB2001	EPA 8270-M	U	CHRYSENE	2.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0.5	C032CB2001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.39 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0.5	C032CB2001	EPA 8270-M	U	FLUORANTHENE	2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0.5	C032CB2001	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0.5	C032CB2001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0.5	C032CB2001	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0.5	C032CB2001	EPA 8270-M	U	PHENANTHRENE	1.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	0.5	C032CB2001	EPA 8270-M	U	PYRENE	3.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	2	C032CB2201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	2	C032CB2201	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	2	C032CB2201	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	2	C032CB2201	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	2	C032CB2201	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.88 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	2	C032CB2201	EPA 8270-M	U	BENZO(A)PYRENE	1.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	2	C032CB2201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	2	C032CB2201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	2	C032CB2201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	2	C032CB2201	EPA 8270-M	U	CHRYSENE	1.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	2	C032CB2201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.45 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	2	C032CB2201	EPA 8270-M	U	FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	2	C032CB2201	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	2	C032CB2201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-83	SB	REG	2	C032CB2201	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	2	C032CB2201	EPA 8270-M	U	PHENANTHRENE	0.51 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	2	C032CB2201	EPA 8270-M	U	PYRENE	1.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	4	C032CB2301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	4	C032CB2301	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	4	C032CB2301	EPA 8270-M	U	ACENAPHTHYLENE	1.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	4	C032CB2301	EPA 8270-M	U	ANTHRACENE	0.93 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	4	C032CB2301	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	4	C032CB2301	EPA 8270-M	U	BENZO(A)PYRENE	6.4 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	4	C032CB2301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	4	C032CB2301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	4	C032CB2301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	4	C032CB2301	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	4	C032CB2301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.96 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	4	C032CB2301	EPA 8270-M	U	FLUORANTHENE	11 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	4	C032CB2301	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	4	C032CB2301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	4	C032CB2301	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	4	C032CB2301	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-83	SB	REG	4	C032CB2301	EPA 8270-M	U	PYRENE	14 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-84	SB	REG	0	C032CB2401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0	C032CB2401	EPA 8270-M	U	ACENAPHTHENE	2.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0	C032CB2401	EPA 8270-M	U	ACENAPHTHYLENE	4.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0	C032CB2401	EPA 8270-M	U	ANTHRACENE	10 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0	C032CB2401	EPA 8270-M	U	BENZ(A)ANTHRACENE	69 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0	C032CB2401	EPA 8270-M	U	BENZO(A)PYRENE	140 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0	C032CB2401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	100 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-84	SB	REG	0	C032CB2401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	180 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0	C032CB2401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	89 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0	C032CB2401	EPA 8270-M	U	CHRYSENE	89 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0	C032CB2401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	13 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0	C032CB2401	EPA 8270-M	U	FLUORANTHENE	170 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0	C032CB2401	EPA 8270-M	U	FLUORENE	2.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0	C032CB2401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	170 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0	C032CB2401	EPA 8270-M	U	NAPHTHALENE	9.1 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0	C032CB2401	EPA 8270-M	U	PHENANTHRENE	48 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0	C032CB2401	EPA 8270-M	U	PYRENE	220 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0.5	C032CB2501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0.5	C032CB2501	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0.5	C032CB2501	EPA 8270-M	U	ACENAPHTHYLENE	2.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0.5	C032CB2501	EPA 8270-M	U	ANTHRACENE	3.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0.5	C032CB2501	EPA 8270-M	U	BENZ(A)ANTHRACENE	42 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0.5	C032CB2501	EPA 8270-M	U	BENZO(A)PYRENE	96 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0.5	C032CB2501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	69 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0.5	C032CB2501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	120 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0.5	C032CB2501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	51 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0.5	C032CB2501	EPA 8270-M	U	CHRYSENE	51 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0.5	C032CB2501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	8.5 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0.5	C032CB2501	EPA 8270-M	U	FLUORANTHENE	92 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0.5	C032CB2501	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0.5	C032CB2501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	110 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0.5	C032CB2501	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0.5	C032CB2501	EPA 8270-M	U	PHENANTHRENE	20 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	0.5	C032CB2501	EPA 8270-M	U	PYRENE	140 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-84	SB	REG	2	C032CB2601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	2	C032CB2601	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	2	C032CB2601	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	2	C032CB2601	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	2	C032CB2601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	2	C032CB2601	EPA 8270-M	U	BENZO(A)PYRENE	11 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	2	C032CB2601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.5 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	2	C032CB2601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	15 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	2	C032CB2601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.4 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	2	C032CB2601	EPA 8270-M	U	CHRYSENE	6.2 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	2	C032CB2601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	2	C032CB2601	EPA 8270-M	U	FLUORANTHENE	12 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	2	C032CB2601	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	2	C032CB2601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	14 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	2	C032CB2601	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	2	C032CB2601	EPA 8270-M	U	PHENANTHRENE	3.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	2	C032CB2601	EPA 8270-M	U	PYRENE	18 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	4	C032CB2701	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	4	C032CB2701	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	4	C032CB2701	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	4	C032CB2701	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	4	C032CB2701	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	4	C032CB2701	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	4	C032CB2701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	4	C032CB2701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	4	C032CB2701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	4	C032CB2701	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-84	SB	REG	4	C032CB2701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	4	C032CB2701	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	4	C032CB2701	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	4	C032CB2701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	4	C032CB2701	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	4	C032CB2701	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-84	SB	REG	4	C032CB2701	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-85	SB	FD	4	C032CB3201	EPA 8270-M	U	2-METHYLNAPHTHALENE	56 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	FD	4	C032CB3201	EPA 8270-M	U	ACENAPHTHENE	56 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	FD	4	C032CB3201	EPA 8270-M	U	ACENAPHTHYLENE	56 UG/KG	U	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	FD	4	C032CB3201	EPA 8270-M	U	ANTHRACENE	56 UG/KG	U	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	FD	4	C032CB3201	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	FD	4	C032CB3201	EPA 8270-M	U	BENZO(A)PYRENE	8.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	FD	4	C032CB3201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	56 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	FD	4	C032CB3201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	36 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	FD	4	C032CB3201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	FD	4	C032CB3201	EPA 8270-M	U	CHRYSENE	6.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	FD	4	C032CB3201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	56 UG/KG	U	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	FD	4	C032CB3201	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	FD	4	C032CB3201	EPA 8270-M	U	FLUORENE	56 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	FD	4	C032CB3201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	12 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	FD	4	C032CB3201	EPA 8270-M	U	NAPHTHALENE	56 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	FD	4	C032CB3201	EPA 8270-M	U	PHENANTHRENE	56 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	FD	4	C032CB3201	EPA 8270-M	U	PYRENE	8.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	ACENAPHTHENE	6.6 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	ACENAPHTHYLENE	19 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	ANTHRACENE	17 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	BENZ(A)ANTHRACENE	100 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	BENZO(A)PYRENE	150 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	120 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	130 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	94 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	CHRYSENE	110 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	25 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	FLUORANTHENE	260 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	FLUORENE	4.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	130 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	NAPHTHALENE	8.4 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	PHENANTHRENE	130 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	PYRENE	320 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.1 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	ACENAPHTHENE	8.2 UG/KG	JQ	R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	ACENAPHTHYLENE	24 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	ANTHRACENE	22 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	BENZ(A)ANTHRACENE	110 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	BENZO(A)PYRENE	200 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	110 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	150 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	120 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	CHRYSENE	130 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	31 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	FLUORANTHENE	290 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	FLUORENE	6.1 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	160 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	NAPHTHALENE	8.9 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	PHENANTHRENE	140 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0	C032CB2801	EPA 8270-M	U	PYRENE	350 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	ACENAPHTHENE	19 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	ACENAPHTHYLENE	40 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	ANTHRACENE	49 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	BENZ(A)ANTHRACENE	190 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	BENZO(A)PYRENE	290 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	210 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	250 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	190 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	CHRYSENE	190 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	49 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	FLUORANTHENE	530 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	FLUORENE	11 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	250 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	NAPHTHALENE	15 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	PHENANTHRENE	260 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	PYRENE	670 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	2-METHYLNAPHTHALENE	4 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	ACENAPHTHENE	23 UG/KG	JG	R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	ACENAPHTHYLENE	49 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	ANTHRACENE	49 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	BENZ(A)ANTHRACENE	220 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	BENZO(A)PYRENE	390 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	220 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	320 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	240 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	CHRYSENE	250 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	67 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	FLUORANTHENE	540 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	FLUORENE	13 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	310 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	NAPHTHALENE	15 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	PHENANTHRENE	310 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	0.5	C032CB2901	EPA 8270-M	U	PYRENE	640 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	ACENAPHTHYLENE	50 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	ANTHRACENE	51 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	BENZ(A)ANTHRACENE	210 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	BENZO(A)PYRENE	350 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	230 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	250 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	230 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	CHRYSENE	230 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	55 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	FLUORANTHENE	550 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	FLUORENE	8 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	260 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	NAPHTHALENE	15 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	PHENANTHRENE	210 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	PYRENE	720 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	2-METHYLNAPHTHALENE	4 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	ACENAPHTHENE	14 UG/KG	JQ	R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	ACENAPHTHYLENE	57 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	ANTHRACENE	56 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	BENZ(A)ANTHRACENE	280 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	BENZO(A)PYRENE	470 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	270 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	380 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	280 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	CHRYSENE	310 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	69 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	FLUORANTHENE	590 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	FLUORENE	9.7 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	370 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	NAPHTHALENE	18 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	PHENANTHRENE	270 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	2	C032CB3001	EPA 8270-M	U	PYRENE	700 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-85	SB	REG	4	C032CB3101	EPA 8270-M	U	2-METHYLNAPHTHALENE	56 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	4	C032CB3101	EPA 8270-M	U	ACENAPHTHENE	56 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	4	C032CB3101	EPA 8270-M	U	ACENAPHTHYLENE	56 UG/KG	U	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	4	C032CB3101	EPA 8270-M	U	ANTHRACENE	56 UG/KG	U	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	4	C032CB3101	EPA 8270-M	U	BENZ(A)ANTHRACENE	9.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	4	C032CB3101	EPA 8270-M	U	BENZO(A)PYRENE	17 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	4	C032CB3101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	16 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	4	C032CB3101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	90 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	4	C032CB3101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	11 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-85	SB	REG	4	C032CB3101	EPA 8270-M	U	CHRYSENE	13 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	4	C032CB3101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	18 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	4	C032CB3101	EPA 8270-M	U	FLUORANTHENE	28 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	4	C032CB3101	EPA 8270-M	U	FLUORENE	56 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	4	C032CB3101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	66 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	4	C032CB3101	EPA 8270-M	U	NAPHTHALENE	56 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	4	C032CB3101	EPA 8270-M	U	PHENANTHRENE	18 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-85	SB	REG	4	C032CB3101	EPA 8270-M	U	PYRENE	33 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-86	SB	REG	0	C032CB3301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	0	C032CB3301	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	0	C032CB3301	EPA 8270-M	U	ACENAPHTHYLENE	1.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	0	C032CB3301	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	0	C032CB3301	EPA 8270-M	U	BENZ(A)ANTHRACENE	7.2 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	0	C032CB3301	EPA 8270-M	U	BENZO(A)PYRENE	11 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	0	C032CB3301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.1 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	0	C032CB3301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	13 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	0	C032CB3301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.9 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	0	C032CB3301	EPA 8270-M	U	CHRYSENE	8.5 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	0	C032CB3301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	0	C032CB3301	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	0	C032CB3301	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	0	C032CB3301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.8 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	0	C032CB3301	EPA 8270-M	U	NAPHTHALENE	0.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	0	C032CB3301	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	0	C032CB3301	EPA 8270-M	U	PYRENE	18 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	0.5	C032CB3401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	0.5	C032CB3401	EPA 8270-M	U	ACENAPHTHENE	32 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-86	SB	REG	0.5	C032CB3401	EPA 8270-M	U	ACENAPHTHYLENE	68 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	0.5	C032CB3401	EPA 8270-M	U	ANTHRACENE	92 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	0.5	C032CB3401	EPA 8270-M	U	BENZ(A)ANTHRACENE	310 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	0.5	C032CB3401	EPA 8270-M	U	BENZO(A)PYRENE	450 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	0.5	C032CB3401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	290 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	0.5	C032CB3401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	440 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	0.5	C032CB3401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	290 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	0.5	C032CB3401	EPA 8270-M	U	CHRYSENE	350 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	0.5	C032CB3401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	60 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	0.5	C032CB3401	EPA 8270-M	U	FLUORANTHENE	710 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	0.5	C032CB3401	EPA 8270-M	U	FLUORENE	23 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	0.5	C032CB3401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	330 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	0.5	C032CB3401	EPA 8270-M	U	NAPHTHALENE	22 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	0.5	C032CB3401	EPA 8270-M	U	PHENANTHRENE	700 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	0.5	C032CB3401	EPA 8270-M	U	PYRENE	980 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	2	C032CB3501	EPA 8270-M	U	2-METHYLNAPHTHALENE	2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	2	C032CB3501	EPA 8270-M	U	ACENAPHTHENE	9.2 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	2	C032CB3501	EPA 8270-M	U	ACENAPHTHYLENE	16 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	2	C032CB3501	EPA 8270-M	U	ANTHRACENE	25 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	2	C032CB3501	EPA 8270-M	U	BENZ(A)ANTHRACENE	92 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	2	C032CB3501	EPA 8270-M	U	BENZO(A)PYRENE	150 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	2	C032CB3501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	100 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	2	C032CB3501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	130 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	2	C032CB3501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	95 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	2	C032CB3501	EPA 8270-M	U	CHRYSENE	110 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	2	C032CB3501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	18 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	2	C032CB3501	EPA 8270-M	U	FLUORANTHENE	230 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-86	SB	REG	2	C032CB3501	EPA 8270-M	U	FLUORENE	7.8 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	2	C032CB3501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	98 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	2	C032CB3501	EPA 8270-M	U	NAPHTHALENE	8.6 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	2	C032CB3501	EPA 8270-M	U	PHENANTHRENE	130 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	2	C032CB3501	EPA 8270-M	U	PYRENE	300 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-86	SB	REG	4	C032CB3601	EPA 8270-M	U	2-METHYLNAPHTHALENE	24 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	4	C032CB3601	EPA 8270-M	U	ACENAPHTHENE	93 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	4	C032CB3601	EPA 8270-M	U	ACENAPHTHYLENE	300 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	4	C032CB3601	EPA 8270-M	U	ANTHRACENE	480 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	4	C032CB3601	EPA 8270-M	U	BENZ(A)ANTHRACENE	1100 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	4	C032CB3601	EPA 8270-M	U	BENZO(A)PYRENE	1500 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	4	C032CB3601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1100 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	4	C032CB3601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1200 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	4	C032CB3601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	710 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	4	C032CB3601	EPA 8270-M	U	CHRYSENE	1200 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	4	C032CB3601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	190 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	4	C032CB3601	EPA 8270-M	U	FLUORANTHENE	2500 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	4	C032CB3601	EPA 8270-M	U	FLUORENE	160 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	4	C032CB3601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	990 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	4	C032CB3601	EPA 8270-M	U	NAPHTHALENE	85 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	4	C032CB3601	EPA 8270-M	U	PHENANTHRENE	2300 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	4	C032CB3601	EPA 8270-M	U	PYRENE	2800 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-86	SB	REG	4	C032CB3601	EPA 8270-M	U	FLUORANTHENE	2800 UG/KG	D		DL1 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-86	SB	REG	4	C032CB3601	EPA 8270-M	U	PHENANTHRENE	2400 UG/KG	D	J	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-86	SB	REG	4	C032CB3601	EPA 8270-M	U	PYRENE	3300 UG/KG	D		DL1 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-87	SB	REG	0	C032CB3701	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0	C032CB3701	EPA 8270-M	U	ACENAPHTHENE	4.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-87	SB	REG	0	C032CB3701	EPA 8270-M	U	ACENAPHTHYLENE	20 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0	C032CB3701	EPA 8270-M	U	ANTHRACENE	33 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0	C032CB3701	EPA 8270-M	U	BENZ(A)ANTHRACENE	160 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0	C032CB3701	EPA 8270-M	U	BENZO(A)PYRENE	250 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0	C032CB3701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	170 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0	C032CB3701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	230 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0	C032CB3701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	160 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0	C032CB3701	EPA 8270-M	U	CHRYSENE	190 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0	C032CB3701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	24 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0	C032CB3701	EPA 8270-M	U	FLUORANTHENE	380 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0	C032CB3701	EPA 8270-M	U	FLUORENE	9.8 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0	C032CB3701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	220 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0	C032CB3701	EPA 8270-M	U	NAPHTHALENE	11 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0	C032CB3701	EPA 8270-M	U	PHENANTHRENE	190 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0	C032CB3701	EPA 8270-M	U	PYRENE	510 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0.5	C032CB3801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0.5	C032CB3801	EPA 8270-M	U	ACENAPHTHENE	6.6 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0.5	C032CB3801	EPA 8270-M	U	ACENAPHTHYLENE	25 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0.5	C032CB3801	EPA 8270-M	U	ANTHRACENE	42 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0.5	C032CB3801	EPA 8270-M	U	BENZ(A)ANTHRACENE	190 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0.5	C032CB3801	EPA 8270-M	U	BENZO(A)PYRENE	300 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0.5	C032CB3801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	190 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0.5	C032CB3801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	250 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0.5	C032CB3801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	190 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0.5	C032CB3801	EPA 8270-M	U	CHRYSENE	210 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0.5	C032CB3801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	27 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0.5	C032CB3801	EPA 8270-M	U	FLUORANTHENE	460 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-87	SB	REG	0.5	C032CB3801	EPA 8270-M	U	FLUORENE	12 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0.5	C032CB3801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	250 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0.5	C032CB3801	EPA 8270-M	U	NAPHTHALENE	11 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0.5	C032CB3801	EPA 8270-M	U	PHENANTHRENE	230 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	0.5	C032CB3801	EPA 8270-M	U	PYRENE	600 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	2	C032CB3901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	2	C032CB3901	EPA 8270-M	U	ACENAPHTHENE	2.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	2	C032CB3901	EPA 8270-M	U	ACENAPHTHYLENE	9.8 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	2	C032CB3901	EPA 8270-M	U	ANTHRACENE	14 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	2	C032CB3901	EPA 8270-M	U	BENZ(A)ANTHRACENE	64 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	2	C032CB3901	EPA 8270-M	U	BENZO(A)PYRENE	110 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	2	C032CB3901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	65 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	2	C032CB3901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	94 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	2	C032CB3901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	67 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	2	C032CB3901	EPA 8270-M	U	CHRYSENE	73 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	2	C032CB3901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9.5 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	2	C032CB3901	EPA 8270-M	U	FLUORANTHENE	150 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	2	C032CB3901	EPA 8270-M	U	FLUORENE	4.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	2	C032CB3901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	96 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	2	C032CB3901	EPA 8270-M	U	NAPHTHALENE	7.5 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	2	C032CB3901	EPA 8270-M	U	PHENANTHRENE	77 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	2	C032CB3901	EPA 8270-M	U	PYRENE	210 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	4	C032CB4001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	4	C032CB4001	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	4	C032CB4001	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	4	C032CB4001	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	4	C032CB4001	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-87	SB	REG	4	C032CB4001	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	4	C032CB4001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	4	C032CB4001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	4	C032CB4001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	4	C032CB4001	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	4	C032CB4001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	4	C032CB4001	EPA 8270-M	U	FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	4	C032CB4001	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	4	C032CB4001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	4	C032CB4001	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	4	C032CB4001	EPA 8270-M	U	PHENANTHRENE	2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-87	SB	REG	4	C032CB4001	EPA 8270-M	U	PYRENE	2.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	ACENAPHTHENE	14 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	ACENAPHTHYLENE	72 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	ANTHRACENE	79 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	BENZ(A)ANTHRACENE	360 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	BENZO(A)PYRENE	530 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	400 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	480 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	340 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	CHRYSENE	370 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	93 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	FLUORANTHENE	960 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	FLUORENE	24 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	490 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	NAPHTHALENE	17 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	PHENANTHRENE	420 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	PYRENE	1200 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.1 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	ACENAPHTHENE	20 UG/KG	JQ	R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	ACENAPHTHYLENE	92 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	ANTHRACENE	93 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	BENZ(A)ANTHRACENE	430 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	BENZO(A)PYRENE	760 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	440 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	610 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	480 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	CHRYSENE	540 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	130 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	FLUORANTHENE	1100 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	FLUORENE	27 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	640 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	NAPHTHALENE	22 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	PHENANTHRENE	530 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	FD	0.5	C032CB4301	EPA 8270-M	U	PYRENE	1300 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	REG	0	C032CB4101	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0	C032CB4101	EPA 8270-M	U	ACENAPHTHENE	1.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0	C032CB4101	EPA 8270-M	U	ACENAPHTHYLENE	8.6 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0	C032CB4101	EPA 8270-M	U	ANTHRACENE	11 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0	C032CB4101	EPA 8270-M	U	BENZ(A)ANTHRACENE	55 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0	C032CB4101	EPA 8270-M	U	BENZO(A)PYRENE	80 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0	C032CB4101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	62 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0	C032CB4101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	86 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-88	SB	REG	0	C032CB4101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	70 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0	C032CB4101	EPA 8270-M	U	CHRYSENE	72 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0	C032CB4101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	17 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0	C032CB4101	EPA 8270-M	U	FLUORANTHENE	140 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0	C032CB4101	EPA 8270-M	U	FLUORENE	3.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0	C032CB4101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	83 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0	C032CB4101	EPA 8270-M	U	NAPHTHALENE	3.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0	C032CB4101	EPA 8270-M	U	PHENANTHRENE	63 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0	C032CB4101	EPA 8270-M	U	PYRENE	170 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	ACENAPHTHENE	15 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	ACENAPHTHYLENE	65 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	ANTHRACENE	69 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	BENZ(A)ANTHRACENE	320 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	BENZO(A)PYRENE	460 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	360 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	420 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	290 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	CHRYSENE	320 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	80 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	FLUORANTHENE	800 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	FLUORENE	27 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	430 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	NAPHTHALENE	20 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	PHENANTHRENE	440 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	PYRENE	980 UG/KG	E	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.5 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	ACENAPHTHENE	23 UG/KG	JQ	R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	ACENAPHTHYLENE	100 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	ANTHRACENE	92 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	BENZ(A)ANTHRACENE	430 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	BENZO(A)PYRENE	720 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	440 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	560 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	450 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	CHRYSENE	500 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	110 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	FLUORANTHENE	1000 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	FLUORENE	34 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	510 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	NAPHTHALENE	26 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	PHENANTHRENE	630 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	REG	0.5	C032CB4201	EPA 8270-M	U	PYRENE	1200 UG/KG		J	DL1 REG	5/16/2002	5/17/2002	5/22/2002
32EDC-5-88	SB	REG	2	C032CB4401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	2	C032CB4401	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	2	C032CB4401	EPA 8270-M	U	ACENAPHTHYLENE	2.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	2	C032CB4401	EPA 8270-M	U	ANTHRACENE	2.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	2	C032CB4401	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	2	C032CB4401	EPA 8270-M	U	BENZO(A)PYRENE	16 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	2	C032CB4401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	9.6 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	2	C032CB4401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	14 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	2	C032CB4401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	13 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	2	C032CB4401	EPA 8270-M	U	CHRYSENE	12 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	2	C032CB4401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-88	SB	REG	2	C032CB4401	EPA 8270-M	U	FLUORANTHENE	30 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	2	C032CB4401	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	2	C032CB4401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	14 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	2	C032CB4401	EPA 8270-M	U	NAPHTHALENE	0.84 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	2	C032CB4401	EPA 8270-M	U	PHENANTHRENE	18 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	2	C032CB4401	EPA 8270-M	U	PYRENE	38 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	4	C032CB4501	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	4	C032CB4501	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	4	C032CB4501	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	R	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	4	C032CB4501	EPA 8270-M	U	ANTHRACENE	0.51 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	4	C032CB4501	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	4	C032CB4501	EPA 8270-M	U	BENZO(A)PYRENE	2.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	4	C032CB4501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	4	C032CB4501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	4	C032CB4501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	4	C032CB4501	EPA 8270-M	U	CHRYSENE	1.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	4	C032CB4501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.37 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	4	C032CB4501	EPA 8270-M	U	FLUORANTHENE	5.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	4	C032CB4501	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	4	C032CB4501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	4	C032CB4501	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	4	C032CB4501	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-88	SB	REG	4	C032CB4501	EPA 8270-M	U	PYRENE	6.6 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-89	SB	REG	0	C032CB4601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0	C032CB4601	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0	C032CB4601	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0	C032CB4601	EPA 8270-M	U	ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-89	SB	REG	0	C032CB4601	EPA 8270-M	U	BENZ(A)ANTHRACENE	9 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0	C032CB4601	EPA 8270-M	U	BENZO(A)PYRENE	17 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0	C032CB4601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	14 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0	C032CB4601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	24 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0	C032CB4601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	12 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0	C032CB4601	EPA 8270-M	U	CHRYSENE	13 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0	C032CB4601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0	C032CB4601	EPA 8270-M	U	FLUORANTHENE	24 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0	C032CB4601	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0	C032CB4601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	19 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0	C032CB4601	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0	C032CB4601	EPA 8270-M	U	PHENANTHRENE	8.6 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0	C032CB4601	EPA 8270-M	U	PYRENE	34 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0.5	C032CB4701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0.5	C032CB4701	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0.5	C032CB4701	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0.5	C032CB4701	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0.5	C032CB4701	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0.5	C032CB4701	EPA 8270-M	U	BENZO(A)PYRENE	9 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0.5	C032CB4701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.2 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0.5	C032CB4701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	13 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0.5	C032CB4701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.6 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0.5	C032CB4701	EPA 8270-M	U	CHRYSENE	7.2 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0.5	C032CB4701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0.5	C032CB4701	EPA 8270-M	U	FLUORANTHENE	13 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0.5	C032CB4701	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0.5	C032CB4701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.9 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
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32EDC-5-89	SB	REG	0.5	C032CB4701	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0.5	C032CB4701	EPA 8270-M	U	PHENANTHRENE	3.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	0.5	C032CB4701	EPA 8270-M	U	PYRENE	19 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	2	C032CB4801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	2	C032CB4801	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	2	C032CB4801	EPA 8270-M	U	ACENAPHTHYLENE	2.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	2	C032CB4801	EPA 8270-M	U	ANTHRACENE	3.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	2	C032CB4801	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	2	C032CB4801	EPA 8270-M	U	BENZO(A)PYRENE	22 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	2	C032CB4801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	15 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	2	C032CB4801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	28 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	2	C032CB4801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	16 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	2	C032CB4801	EPA 8270-M	U	CHRYSENE	17 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	2	C032CB4801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	2	C032CB4801	EPA 8270-M	U	FLUORANTHENE	34 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	2	C032CB4801	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	2	C032CB4801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	22 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	2	C032CB4801	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	2	C032CB4801	EPA 8270-M	U	PHENANTHRENE	18 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	2	C032CB4801	EPA 8270-M	U	PYRENE	46 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	2-METHYLNAPHTHALENE	35 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	ACENAPHTHENE	150 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	ACENAPHTHYLENE	250 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	ANTHRACENE	510 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	BENZ(A)ANTHRACENE	1200 UG/KG	E	R	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	BENZO(A)PYRENE	1600 UG/KG	E	R	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	970 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002

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Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1200 UG/KG	E	R	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1000 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	CHRYSENE	1300 UG/KG	E	R	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	130 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	FLUORANTHENE	3500 UG/KG	E	R	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	FLUORENE	250 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1100 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	NAPHTHALENE	60 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	PHENANTHRENE	3400 UG/KG	E	R	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	PYRENE	3800 UG/KG	E	R	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	2-METHYLNAPHTHALENE	48 UG/KG	JD	R	DL1 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	ACENAPHTHENE	170 UG/KG	D	R	DL1 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	ACENAPHTHYLENE	290 UG/KG	D	R	DL1 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	ANTHRACENE	540 UG/KG	D	R	DL1 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	BENZ(A)ANTHRACENE	1300 UG/KG	D		DL1 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	BENZO(A)PYRENE	1700 UG/KG	D		DL1 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1000 UG/KG	D	R	DL1 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1100 UG/KG	D		DL1 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	970 UG/KG	D	R	DL1 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	CHRYSENE	1300 UG/KG	D		DL1 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	160 UG/KG	D	R	DL1 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	FLUORANTHENE	3900 UG/KG	D		DL1 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	FLUORENE	290 UG/KG	D	R	DL1 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1200 UG/KG	D	R	DL1 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	NAPHTHALENE	91 UG/KG	D	R	DL1 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	PHENANTHRENE	4000 UG/KG	D		DL1 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-5-89	SB	REG	4	C032CB4901	EPA 8270-M	U	PYRENE	4600 UG/KG	D		DL1 REG	5/20/2002	5/21/2002	5/23/2002

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Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	ACENAPHTHYLENE	21 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	BENZ(A)ANTHRACENE	34 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	BENZO(A)PYRENE	31 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	23 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	CHRYSENE	25 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	FLUORANTHENE	35 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	36 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	PYRENE	31 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.6 UG/KG	J	R	RA1 REG	5/13/2002	5/14/2002	5/17/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	ACENAPHTHENE	1.9 UG/KG	J	R	RA1 REG	5/13/2002	5/14/2002	5/17/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	ACENAPHTHYLENE	2.1 UG/KG	J	R	RA1 REG	5/13/2002	5/14/2002	5/17/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	ANTHRACENE	3.3 UG/KG	J	R	RA1 REG	5/13/2002	5/14/2002	5/17/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	BENZ(A)ANTHRACENE	13 UG/KG		R	RA1 REG	5/13/2002	5/14/2002	5/17/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	BENZO(A)PYRENE	19 UG/KG		R	RA1 REG	5/13/2002	5/14/2002	5/17/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	26 UG/KG		R	RA1 REG	5/13/2002	5/14/2002	5/17/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	16 UG/KG		R	RA1 REG	5/13/2002	5/14/2002	5/17/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	14 UG/KG		R	RA1 REG	5/13/2002	5/14/2002	5/17/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	CHRYSENE	27 UG/KG		R	RA1 REG	5/13/2002	5/14/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.2 UG/KG	J	R	RA1 REG	5/13/2002	5/14/2002	5/17/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	FLUORANTHENE	29 UG/KG		R	RA1 REG	5/13/2002	5/14/2002	5/17/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	FLUORENE	1.5 UG/KG	J	R	RA1 REG	5/13/2002	5/14/2002	5/17/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	13 UG/KG		R	RA1 REG	5/13/2002	5/14/2002	5/17/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	NAPHTHALENE	1.9 UG/KG	J	R	RA1 REG	5/13/2002	5/14/2002	5/17/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	R	RA1 REG	5/13/2002	5/14/2002	5/17/2002
32EDC-5-9	SB	REG	0	C032C79401	EPA 8270-M	U	PYRENE	31 UG/KG		R	RA1 REG	5/13/2002	5/14/2002	5/17/2002
32EDC-5-9	SB	REG	0.5	C032C79501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0.5	C032C79501	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0.5	C032C79501	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0.5	C032C79501	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0.5	C032C79501	EPA 8270-M	U	BENZ(A)ANTHRACENE	26 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0.5	C032C79501	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0.5	C032C79501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0.5	C032C79501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0.5	C032C79501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0.5	C032C79501	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0.5	C032C79501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0.5	C032C79501	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0.5	C032C79501	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0.5	C032C79501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	27 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0.5	C032C79501	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0.5	C032C79501	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	0.5	C032C79501	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	2	C032C79601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	2	C032C79601	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	2	C032C79601	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-9	SB	REG	2	C032C79601	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	2	C032C79601	EPA 8270-M	U	BENZ(A)ANTHRACENE	24 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	2	C032C79601	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	2	C032C79601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	2	C032C79601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	2	C032C79601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	2	C032C79601	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	2	C032C79601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	2	C032C79601	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	2	C032C79601	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	2	C032C79601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	26 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	2	C032C79601	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	2	C032C79601	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	2	C032C79601	EPA 8270-M	U	PYRENE	5.2 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	4	C032C79701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	4	C032C79701	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	4	C032C79701	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	4	C032C79701	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	4	C032C79701	EPA 8270-M	U	BENZ(A)ANTHRACENE	27 UG/KG		J	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	4	C032C79701	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	4	C032C79701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	4	C032C79701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	4	C032C79701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	4	C032C79701	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	4	C032C79701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	4	C032C79701	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	4	C032C79701	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-9	SB	REG	4	C032C79701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	29 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	4	C032C79701	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	4	C032C79701	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-9	SB	REG	4	C032C79701	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	UJ	000 REG	5/13/2002	5/14/2002	5/15/2002
32EDC-5-90	SB	FD	4	C032CB5401	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	FD	4	C032CB5401	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	FD	4	C032CB5401	EPA 8270-M	U	ACENAPHTHYLENE	2.4 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	FD	4	C032CB5401	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	FD	4	C032CB5401	EPA 8270-M	U	BENZ(A)ANTHRACENE	7 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	FD	4	C032CB5401	EPA 8270-M	U	BENZO(A)PYRENE	20 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	FD	4	C032CB5401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	16 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	FD	4	C032CB5401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	19 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	FD	4	C032CB5401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9.4 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	FD	4	C032CB5401	EPA 8270-M	U	CHRYSENE	8.8 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	FD	4	C032CB5401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	FD	4	C032CB5401	EPA 8270-M	U	FLUORANTHENE	12 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	FD	4	C032CB5401	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	FD	4	C032CB5401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	12 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	FD	4	C032CB5401	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	FD	4	C032CB5401	EPA 8270-M	U	PHENANTHRENE	4.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	FD	4	C032CB5401	EPA 8270-M	U	PYRENE	30 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0	C032CB5001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0	C032CB5001	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0	C032CB5001	EPA 8270-M	U	ACENAPHTHYLENE	2.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0	C032CB5001	EPA 8270-M	U	ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0	C032CB5001	EPA 8270-M	U	BENZ(A)ANTHRACENE	9 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0	C032CB5001	EPA 8270-M	U	BENZO(A)PYRENE	18 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002

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Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-90	SB	REG	0	C032CB5001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	14 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0	C032CB5001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	16 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0	C032CB5001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9.6 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0	C032CB5001	EPA 8270-M	U	CHRYSENE	11 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0	C032CB5001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0	C032CB5001	EPA 8270-M	U	FLUORANTHENE	17 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0	C032CB5001	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0	C032CB5001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	9.9 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0	C032CB5001	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0	C032CB5001	EPA 8270-M	U	PHENANTHRENE	6.9 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0	C032CB5001	EPA 8270-M	U	PYRENE	26 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0.5	C032CB5101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0.5	C032CB5101	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0.5	C032CB5101	EPA 8270-M	U	ACENAPHTHYLENE	6.5 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0.5	C032CB5101	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0.5	C032CB5101	EPA 8270-M	U	BENZ(A)ANTHRACENE	27 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0.5	C032CB5101	EPA 8270-M	U	BENZO(A)PYRENE	38 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0.5	C032CB5101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	22 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0.5	C032CB5101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	29 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0.5	C032CB5101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	36 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0.5	C032CB5101	EPA 8270-M	U	CHRYSENE	33 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0.5	C032CB5101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0.5	C032CB5101	EPA 8270-M	U	FLUORANTHENE	61 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0.5	C032CB5101	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0.5	C032CB5101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	19 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0.5	C032CB5101	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	0.5	C032CB5101	EPA 8270-M	U	PHENANTHRENE	29 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-90	SB	REG	0.5	C032CB5101	EPA 8270-M	U	PYRENE	89 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	2	C032CB5201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.4 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	2	C032CB5201	EPA 8270-M	U	ACENAPHTHENE	6.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	2	C032CB5201	EPA 8270-M	U	ACENAPHTHYLENE	4.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	2	C032CB5201	EPA 8270-M	U	ANTHRACENE	2.4 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	2	C032CB5201	EPA 8270-M	U	BENZ(A)ANTHRACENE	10 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	2	C032CB5201	EPA 8270-M	U	BENZO(A)PYRENE	28 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	2	C032CB5201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	24 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	2	C032CB5201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	34 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	2	C032CB5201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	16 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	2	C032CB5201	EPA 8270-M	U	CHRYSENE	16 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	2	C032CB5201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	2	C032CB5201	EPA 8270-M	U	FLUORANTHENE	17 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	2	C032CB5201	EPA 8270-M	U	FLUORENE	6.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	2	C032CB5201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	19 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	2	C032CB5201	EPA 8270-M	U	NAPHTHALENE	6.4 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	2	C032CB5201	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	2	C032CB5201	EPA 8270-M	U	PYRENE	33 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	4	C032CB5301	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	4	C032CB5301	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	4	C032CB5301	EPA 8270-M	U	ACENAPHTHYLENE	2.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	4	C032CB5301	EPA 8270-M	U	ANTHRACENE	1.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	4	C032CB5301	EPA 8270-M	U	BENZ(A)ANTHRACENE	12 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	4	C032CB5301	EPA 8270-M	U	BENZO(A)PYRENE	30 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	4	C032CB5301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	23 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	4	C032CB5301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	25 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	4	C032CB5301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	14 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-90	SB	REG	4	C032CB5301	EPA 8270-M	U	CHRYSENE	14 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	4	C032CB5301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	4	C032CB5301	EPA 8270-M	U	FLUORANTHENE	23 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	4	C032CB5301	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	4	C032CB5301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	15 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	4	C032CB5301	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	4	C032CB5301	EPA 8270-M	U	PHENANTHRENE	7.8 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-90	SB	REG	4	C032CB5301	EPA 8270-M	U	PYRENE	49 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-5-91	SB	REG	0	C032CB5501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	0	C032CB5501	EPA 8270-M	U	ACENAPHTHENE	1.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	0	C032CB5501	EPA 8270-M	U	ACENAPHTHYLENE	2.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	0	C032CB5501	EPA 8270-M	U	ANTHRACENE	1.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	0	C032CB5501	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.6 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	0	C032CB5501	EPA 8270-M	U	BENZO(A)PYRENE	32 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	0	C032CB5501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	19 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	0	C032CB5501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	32 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	0	C032CB5501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	17 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	0	C032CB5501	EPA 8270-M	U	CHRYSENE	8.8 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	0	C032CB5501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	0	C032CB5501	EPA 8270-M	U	FLUORANTHENE	8.4 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	0	C032CB5501	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	0	C032CB5501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	21 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	0	C032CB5501	EPA 8270-M	U	NAPHTHALENE	1.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	0	C032CB5501	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	0	C032CB5501	EPA 8270-M	U	PYRENE	15 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	2-METHYLNAPHTHALENE	27 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/29/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	ACENAPHTHENE	27 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/29/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	ACENAPHTHYLENE	27 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/29/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	ANTHRACENE	27 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/29/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	BENZ(A)ANTHRACENE	27 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/29/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	BENZO(A)PYRENE	130 UG/KG			000 REG	5/16/2002	5/17/2002	5/29/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	27 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/29/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	47 UG/KG			000 REG	5/16/2002	5/17/2002	5/29/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	27 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/29/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	CHRYSENE	27 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/29/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	13 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/29/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	FLUORANTHENE	27 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/29/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	FLUORENE	27 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/29/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	27 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/29/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	NAPHTHALENE	27 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/29/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	PHENANTHRENE	27 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/29/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	PYRENE	27 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/29/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	2-METHYLNAPHTHALENE	54 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	ACENAPHTHENE	54 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	ACENAPHTHYLENE	54 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	ANTHRACENE	54 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	BENZ(A)ANTHRACENE	54 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	54 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	52 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	54 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	CHRYSENE	54 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	16 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	FLUORANTHENE	54 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	FLUORENE	54 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	54 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	NAPHTHALENE	54 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	PHENANTHRENE	54 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-91	SB	REG	0.5	C032CB5601	EPA 8270-M	U	PYRENE	54 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32EDC-5-91	SB	REG	2	C032CB5701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	2	C032CB5701	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	2	C032CB5701	EPA 8270-M	U	ACENAPHTHYLENE	3.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	2	C032CB5701	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	2	C032CB5701	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	2	C032CB5701	EPA 8270-M	U	BENZO(A)PYRENE	11 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	2	C032CB5701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.7 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	2	C032CB5701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	13 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	2	C032CB5701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.3 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	2	C032CB5701	EPA 8270-M	U	CHRYSENE	4.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	2	C032CB5701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	2	C032CB5701	EPA 8270-M	U	FLUORANTHENE	3.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	2	C032CB5701	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	2	C032CB5701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	2	C032CB5701	EPA 8270-M	U	NAPHTHALENE	0.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	2	C032CB5701	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	2	C032CB5701	EPA 8270-M	U	PYRENE	6.1 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	4	C032CB5801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	4	C032CB5801	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	4	C032CB5801	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	4	C032CB5801	EPA 8270-M	U	ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	4	C032CB5801	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.7 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-91	SB	REG	4	C032CB5801	EPA 8270-M	U	BENZO(A)PYRENE	22 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	4	C032CB5801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	14 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	4	C032CB5801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	17 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	4	C032CB5801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	12 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	4	C032CB5801	EPA 8270-M	U	CHRYSENE	11 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	4	C032CB5801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	4	C032CB5801	EPA 8270-M	U	FLUORANTHENE	17 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	4	C032CB5801	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	4	C032CB5801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	13 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	4	C032CB5801	EPA 8270-M	U	NAPHTHALENE	1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	4	C032CB5801	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-91	SB	REG	4	C032CB5801	EPA 8270-M	U	PYRENE	41 UG/KG			000 REG	5/16/2002	5/17/2002	5/17/2002
32EDC-5-92	SB	REG	0	C032CB5901	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.4 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0	C032CB5901	EPA 8270-M	U	ACENAPHTHENE	8.2 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0	C032CB5901	EPA 8270-M	U	ACENAPHTHYLENE	47 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0	C032CB5901	EPA 8270-M	U	ANTHRACENE	31 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0	C032CB5901	EPA 8270-M	U	BENZ(A)ANTHRACENE	530 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0	C032CB5901	EPA 8270-M	U	BENZO(A)PYRENE	810 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0	C032CB5901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	610 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0	C032CB5901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	700 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0	C032CB5901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	480 UG/KG		J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0	C032CB5901	EPA 8270-M	U	CHRYSENE	620 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0	C032CB5901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	100 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0	C032CB5901	EPA 8270-M	U	FLUORANTHENE	1300 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0	C032CB5901	EPA 8270-M	U	FLUORENE	8.2 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0	C032CB5901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	14 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0	C032CB5901	EPA 8270-M	U	NAPHTHALENE	17 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-92	SB	REG	0	C032CB5901	EPA 8270-M	U	PHENANTHRENE	240 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0	C032CB5901	EPA 8270-M	U	PYRENE	1900 UG/KG	E	R	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0	C032CB5901	EPA 8270-M	U	PYRENE	1500 UG/KG	D		DL1 REG	5/31/2002	6/1/2002	6/4/2002
32EDC-5-92	SB	REG	0.5	C032CB6001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0.5	C032CB6001	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0.5	C032CB6001	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0.5	C032CB6001	EPA 8270-M	U	ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0.5	C032CB6001	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.6 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0.5	C032CB6001	EPA 8270-M	U	BENZO(A)PYRENE	4.6 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0.5	C032CB6001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.5 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0.5	C032CB6001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.5 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0.5	C032CB6001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.7 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0.5	C032CB6001	EPA 8270-M	U	CHRYSENE	3.2 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0.5	C032CB6001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0.5	C032CB6001	EPA 8270-M	U	FLUORANTHENE	3.4 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0.5	C032CB6001	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0.5	C032CB6001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0.5	C032CB6001	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0.5	C032CB6001	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	0.5	C032CB6001	EPA 8270-M	U	PYRENE	5.5 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	2	C032CB6101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/4/2002
32EDC-5-92	SB	REG	2	C032CB6101	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/4/2002
32EDC-5-92	SB	REG	2	C032CB6101	EPA 8270-M	U	ACENAPHTHYLENE	2.5 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/4/2002
32EDC-5-92	SB	REG	2	C032CB6101	EPA 8270-M	U	ANTHRACENE	5 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/4/2002
32EDC-5-92	SB	REG	2	C032CB6101	EPA 8270-M	U	BENZ(A)ANTHRACENE	13 UG/KG			000 REG	5/31/2002	6/1/2002	6/4/2002
32EDC-5-92	SB	REG	2	C032CB6101	EPA 8270-M	U	BENZO(A)PYRENE	11 UG/KG			000 REG	5/31/2002	6/1/2002	6/4/2002
32EDC-5-92	SB	REG	2	C032CB6101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.6 UG/KG			000 REG	5/31/2002	6/1/2002	6/4/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-92	SB	REG	2	C032CB6101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	17 UG/KG			000 REG	5/31/2002	6/1/2002	6/4/2002
32EDC-5-92	SB	REG	2	C032CB6101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9.3 UG/KG		J	000 REG	5/31/2002	6/1/2002	6/4/2002
32EDC-5-92	SB	REG	2	C032CB6101	EPA 8270-M	U	CHRYSENE	16 UG/KG			000 REG	5/31/2002	6/1/2002	6/4/2002
32EDC-5-92	SB	REG	2	C032CB6101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/4/2002
32EDC-5-92	SB	REG	2	C032CB6101	EPA 8270-M	U	FLUORANTHENE	20 UG/KG			000 REG	5/31/2002	6/1/2002	6/4/2002
32EDC-5-92	SB	REG	2	C032CB6101	EPA 8270-M	U	FLUORENE	2.4 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/4/2002
32EDC-5-92	SB	REG	2	C032CB6101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8 UG/KG			000 REG	5/31/2002	6/1/2002	6/4/2002
32EDC-5-92	SB	REG	2	C032CB6101	EPA 8270-M	U	NAPHTHALENE	0.8 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/4/2002
32EDC-5-92	SB	REG	2	C032CB6101	EPA 8270-M	U	PHENANTHRENE	24 UG/KG			000 REG	5/31/2002	6/1/2002	6/4/2002
32EDC-5-92	SB	REG	2	C032CB6101	EPA 8270-M	U	PYRENE	28 UG/KG			000 REG	5/31/2002	6/1/2002	6/4/2002
32EDC-5-92	SB	REG	4	C032CB6201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	4	C032CB6201	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	4	C032CB6201	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	4	C032CB6201	EPA 8270-M	U	ANTHRACENE	4.5 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	4	C032CB6201	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	4	C032CB6201	EPA 8270-M	U	BENZO(A)PYRENE	2.7 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	4	C032CB6201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.4 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	4	C032CB6201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	16 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	4	C032CB6201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	4	C032CB6201	EPA 8270-M	U	CHRYSENE	2.3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	4	C032CB6201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	4	C032CB6201	EPA 8270-M	U	FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	4	C032CB6201	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	4	C032CB6201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	4	C032CB6201	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	4	C032CB6201	EPA 8270-M	U	PHENANTHRENE	1.8 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-92	SB	REG	4	C032CB6201	EPA 8270-M	U	PYRENE	4.2 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-93	SB	FD	0.5	C032CB6501	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.81 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	FD	0.5	C032CB6501	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	FD	0.5	C032CB6501	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	FD	0.5	C032CB6501	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	FD	0.5	C032CB6501	EPA 8270-M	U	BENZ(A)ANTHRACENE	43 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	FD	0.5	C032CB6501	EPA 8270-M	U	BENZO(A)PYRENE	61 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	FD	0.5	C032CB6501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	61 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	FD	0.5	C032CB6501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	53 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	FD	0.5	C032CB6501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	38 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	FD	0.5	C032CB6501	EPA 8270-M	U	CHRYSENE	50 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	FD	0.5	C032CB6501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	11 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	FD	0.5	C032CB6501	EPA 8270-M	U	FLUORANTHENE	63 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	FD	0.5	C032CB6501	EPA 8270-M	U	FLUORENE	2.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	FD	0.5	C032CB6501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	54 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	FD	0.5	C032CB6501	EPA 8270-M	U	NAPHTHALENE	2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	FD	0.5	C032CB6501	EPA 8270-M	U	PHENANTHRENE	41 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	FD	0.5	C032CB6501	EPA 8270-M	U	PYRENE	79 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0	C032CB6301	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0	C032CB6301	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0	C032CB6301	EPA 8270-M	U	ACENAPHTHYLENE	2.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0	C032CB6301	EPA 8270-M	U	ANTHRACENE	5.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0	C032CB6301	EPA 8270-M	U	BENZ(A)ANTHRACENE	21 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0	C032CB6301	EPA 8270-M	U	BENZO(A)PYRENE	29 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0	C032CB6301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	28 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0	C032CB6301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	23 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0	C032CB6301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	24 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0	C032CB6301	EPA 8270-M	U	CHRYSENE	29 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-93	SB	REG	0	C032CB6301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.3 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0	C032CB6301	EPA 8270-M	U	FLUORANTHENE	44 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0	C032CB6301	EPA 8270-M	U	FLUORENE	1.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0	C032CB6301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	22 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0	C032CB6301	EPA 8270-M	U	NAPHTHALENE	1.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0	C032CB6301	EPA 8270-M	U	PHENANTHRENE	34 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0	C032CB6301	EPA 8270-M	U	PYRENE	51 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0.5	C032CB6401	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.85 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0.5	C032CB6401	EPA 8270-M	U	ACENAPHTHENE	0.98 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0.5	C032CB6401	EPA 8270-M	U	ACENAPHTHYLENE	3.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0.5	C032CB6401	EPA 8270-M	U	ANTHRACENE	3.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0.5	C032CB6401	EPA 8270-M	U	BENZ(A)ANTHRACENE	39 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0.5	C032CB6401	EPA 8270-M	U	BENZO(A)PYRENE	92 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0.5	C032CB6401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	73 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0.5	C032CB6401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	110 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0.5	C032CB6401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	66 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0.5	C032CB6401	EPA 8270-M	U	CHRYSENE	53 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0.5	C032CB6401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	16 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0.5	C032CB6401	EPA 8270-M	U	FLUORANTHENE	83 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0.5	C032CB6401	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0.5	C032CB6401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	98 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0.5	C032CB6401	EPA 8270-M	U	NAPHTHALENE	4.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0.5	C032CB6401	EPA 8270-M	U	PHENANTHRENE	21 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	0.5	C032CB6401	EPA 8270-M	U	PYRENE	110 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/25/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	ACENAPHTHENE	3.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/25/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	ACENAPHTHYLENE	4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
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32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	ANTHRACENE	14 UG/KG			000 REG	5/16/2002	5/17/2002	5/25/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	BENZ(A)ANTHRACENE	57 UG/KG			000 REG	5/16/2002	5/17/2002	5/25/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	BENZO(A)PYRENE	80 UG/KG			000 REG	5/16/2002	5/17/2002	5/25/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	75 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/25/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	44 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/25/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	65 UG/KG			000 REG	5/16/2002	5/17/2002	5/25/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	CHRYSENE	71 UG/KG			000 REG	5/16/2002	5/17/2002	5/25/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	18 UG/KG			000 REG	5/16/2002	5/17/2002	5/25/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	FLUORANTHENE	96 UG/KG			000 REG	5/16/2002	5/17/2002	5/25/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	FLUORENE	5.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/25/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	45 UG/KG			000 REG	5/16/2002	5/17/2002	5/25/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	NAPHTHALENE	2.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/25/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	PHENANTHRENE	46 UG/KG			000 REG	5/16/2002	5/17/2002	5/25/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	PYRENE	98 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/25/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	2-METHYLNAPHTHALENE	53 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	ACENAPHTHENE	53 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	ACENAPHTHYLENE	53 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	ANTHRACENE	9.6 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	BENZ(A)ANTHRACENE	55 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	BENZO(A)PYRENE	59 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	60 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	44 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	41 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	CHRYSENE	60 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	15 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	FLUORANTHENE	72 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	FLUORENE	53 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	42 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	NAPHTHALENE	53 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	PHENANTHRENE	42 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	2	C032CB6601	EPA 8270-M	U	PYRENE	73 UG/KG		R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	4	C032CB6701	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.43 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	4	C032CB6701	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	4	C032CB6701	EPA 8270-M	U	ACENAPHTHYLENE	1.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	4	C032CB6701	EPA 8270-M	U	ANTHRACENE	1.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	4	C032CB6701	EPA 8270-M	U	BENZ(A)ANTHRACENE	13 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	4	C032CB6701	EPA 8270-M	U	BENZO(A)PYRENE	37 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	4	C032CB6701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	28 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	4	C032CB6701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	32 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	4	C032CB6701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	24 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	4	C032CB6701	EPA 8270-M	U	CHRYSENE	14 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	4	C032CB6701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	4	C032CB6701	EPA 8270-M	U	FLUORANTHENE	28 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	4	C032CB6701	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	4	C032CB6701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	32 UG/KG			000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	4	C032CB6701	EPA 8270-M	U	NAPHTHALENE	1.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	4	C032CB6701	EPA 8270-M	U	PHENANTHRENE	9.6 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-93	SB	REG	4	C032CB6701	EPA 8270-M	U	PYRENE	63 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/19/2002
32EDC-5-94	SB	REG	0	C032CB6801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0	C032CB6801	EPA 8270-M	U	ACENAPHTHENE	2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0	C032CB6801	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0	C032CB6801	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0	C032CB6801	EPA 8270-M	U	BENZ(A)ANTHRACENE	28 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0	C032CB6801	EPA 8270-M	U	BENZO(A)PYRENE	30 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-94	SB	REG	0	C032CB6801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	29 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0	C032CB6801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	24 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0	C032CB6801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	23 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0	C032CB6801	EPA 8270-M	U	CHRYSENE	34 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0	C032CB6801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0	C032CB6801	EPA 8270-M	U	FLUORANTHENE	55 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0	C032CB6801	EPA 8270-M	U	FLUORENE	1.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0	C032CB6801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	24 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0	C032CB6801	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0	C032CB6801	EPA 8270-M	U	PHENANTHRENE	31 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0	C032CB6801	EPA 8270-M	U	PYRENE	57 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0.5	C032CB6901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0.5	C032CB6901	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0.5	C032CB6901	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0.5	C032CB6901	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0.5	C032CB6901	EPA 8270-M	U	BENZ(A)ANTHRACENE	8 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0.5	C032CB6901	EPA 8270-M	U	BENZO(A)PYRENE	15 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0.5	C032CB6901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	12 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0.5	C032CB6901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	18 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0.5	C032CB6901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8.8 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0.5	C032CB6901	EPA 8270-M	U	CHRYSENE	11 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0.5	C032CB6901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0.5	C032CB6901	EPA 8270-M	U	FLUORANTHENE	14 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0.5	C032CB6901	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0.5	C032CB6901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	17 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0.5	C032CB6901	EPA 8270-M	U	NAPHTHALENE	2.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	0.5	C032CB6901	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-94	SB	REG	0.5	C032CB6901	EPA 8270-M	U	PYRENE	19 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	2	C032CB7001	EPA 8270-M	U	2-METHYLNAPHTHALENE	13 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	2	C032CB7001	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	2	C032CB7001	EPA 8270-M	U	ACENAPHTHYLENE	2.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	2	C032CB7001	EPA 8270-M	U	ANTHRACENE	3.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	2	C032CB7001	EPA 8270-M	U	BENZ(A)ANTHRACENE	23 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	2	C032CB7001	EPA 8270-M	U	BENZO(A)PYRENE	40 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	2	C032CB7001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	30 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	2	C032CB7001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	40 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	2	C032CB7001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	24 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	2	C032CB7001	EPA 8270-M	U	CHRYSENE	36 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	2	C032CB7001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	2	C032CB7001	EPA 8270-M	U	FLUORANTHENE	47 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	2	C032CB7001	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	2	C032CB7001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	36 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	2	C032CB7001	EPA 8270-M	U	NAPHTHALENE	180 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	2	C032CB7001	EPA 8270-M	U	PHENANTHRENE	48 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	2	C032CB7001	EPA 8270-M	U	PYRENE	59 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	4	C032CB7101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	4	C032CB7101	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	4	C032CB7101	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	4	C032CB7101	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	4	C032CB7101	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.9 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	4	C032CB7101	EPA 8270-M	U	BENZO(A)PYRENE	12 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	4	C032CB7101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.7 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	4	C032CB7101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	13 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	4	C032CB7101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.9 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-94	SB	REG	4	C032CB7101	EPA 8270-M	U	CHRYSENE	8.2 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	4	C032CB7101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	4	C032CB7101	EPA 8270-M	U	FLUORANTHENE	15 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	4	C032CB7101	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	4	C032CB7101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	12 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	4	C032CB7101	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	4	C032CB7101	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-94	SB	REG	4	C032CB7101	EPA 8270-M	U	PYRENE	19 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32EDC-5-95	SB	FD	4	C032CB7601	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.4 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	FD	4	C032CB7601	EPA 8270-M	U	ACENAPHTHENE	6.4 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	FD	4	C032CB7601	EPA 8270-M	U	ACENAPHTHYLENE	2.2 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	FD	4	C032CB7601	EPA 8270-M	U	ANTHRACENE	1.6 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	FD	4	C032CB7601	EPA 8270-M	U	BENZ(A)ANTHRACENE	13 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	FD	4	C032CB7601	EPA 8270-M	U	BENZO(A)PYRENE	25 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	FD	4	C032CB7601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	17 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	FD	4	C032CB7601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	29 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	FD	4	C032CB7601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	23 UG/KG		J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	FD	4	C032CB7601	EPA 8270-M	U	CHRYSENE	15 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	FD	4	C032CB7601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.5 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	FD	4	C032CB7601	EPA 8270-M	U	FLUORANTHENE	34 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	FD	4	C032CB7601	EPA 8270-M	U	FLUORENE	6.4 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	FD	4	C032CB7601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	19 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	FD	4	C032CB7601	EPA 8270-M	U	NAPHTHALENE	1.1 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	FD	4	C032CB7601	EPA 8270-M	U	PHENANTHRENE	11 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	FD	4	C032CB7601	EPA 8270-M	U	PYRENE	45 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	0	C032CB7201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-95	SB	REG	0	C032CB7201	EPA 8270-M	U	ACENAPHTHENE	1.7 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-95	SB	REG	0	C032CB7201	EPA 8270-M	U	ACENAPHTHYLENE	3.8 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-95	SB	REG	0	C032CB7201	EPA 8270-M	U	ANTHRACENE	4.1 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-95	SB	REG	0	C032CB7201	EPA 8270-M	U	BENZ(A)ANTHRACENE	35 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-95	SB	REG	0	C032CB7201	EPA 8270-M	U	BENZO(A)PYRENE	57 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-95	SB	REG	0	C032CB7201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	41 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-95	SB	REG	0	C032CB7201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	50 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-95	SB	REG	0	C032CB7201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	57 UG/KG		J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-95	SB	REG	0	C032CB7201	EPA 8270-M	U	CHRYSENE	41 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-95	SB	REG	0	C032CB7201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-95	SB	REG	0	C032CB7201	EPA 8270-M	U	FLUORANTHENE	91 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-95	SB	REG	0	C032CB7201	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-95	SB	REG	0	C032CB7201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	32 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-95	SB	REG	0	C032CB7201	EPA 8270-M	U	NAPHTHALENE	2.3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-95	SB	REG	0	C032CB7201	EPA 8270-M	U	PHENANTHRENE	27 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-95	SB	REG	0	C032CB7201	EPA 8270-M	U	PYRENE	120 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-5-95	SB	REG	0.5	C032CB7301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	0.5	C032CB7301	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	0.5	C032CB7301	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	0.5	C032CB7301	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	0.5	C032CB7301	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.7 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	0.5	C032CB7301	EPA 8270-M	U	BENZO(A)PYRENE	17 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	0.5	C032CB7301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	11 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	0.5	C032CB7301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	21 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	0.5	C032CB7301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	15 UG/KG		J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	0.5	C032CB7301	EPA 8270-M	U	CHRYSENE	10 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	0.5	C032CB7301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	0.5	C032CB7301	EPA 8270-M	U	FLUORANTHENE	23 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-95	SB	REG	0.5	C032CB7301	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	0.5	C032CB7301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	14 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	0.5	C032CB7301	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	0.5	C032CB7301	EPA 8270-M	U	PHENANTHRENE	6.6 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	0.5	C032CB7301	EPA 8270-M	U	PYRENE	25 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	2	C032CB7401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	2	C032CB7401	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	2	C032CB7401	EPA 8270-M	U	ACENAPHTHYLENE	1.7 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	2	C032CB7401	EPA 8270-M	U	ANTHRACENE	2 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	2	C032CB7401	EPA 8270-M	U	BENZ(A)ANTHRACENE	16 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	2	C032CB7401	EPA 8270-M	U	BENZO(A)PYRENE	23 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	2	C032CB7401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	17 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	2	C032CB7401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	25 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	2	C032CB7401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	24 UG/KG		J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	2	C032CB7401	EPA 8270-M	U	CHRYSENE	19 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	2	C032CB7401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	2	C032CB7401	EPA 8270-M	U	FLUORANTHENE	36 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	2	C032CB7401	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	2	C032CB7401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	17 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	2	C032CB7401	EPA 8270-M	U	NAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	2	C032CB7401	EPA 8270-M	U	PHENANTHRENE	14 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	2	C032CB7401	EPA 8270-M	U	PYRENE	37 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	4	C032CB7501	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	4	C032CB7501	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	4	C032CB7501	EPA 8270-M	U	ACENAPHTHYLENE	3.6 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	4	C032CB7501	EPA 8270-M	U	ANTHRACENE	3.1 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	4	C032CB7501	EPA 8270-M	U	BENZ(A)ANTHRACENE	24 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-95	SB	REG	4	C032CB7501	EPA 8270-M	U	BENZO(A)PYRENE	47 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	4	C032CB7501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	32 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	4	C032CB7501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	55 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	4	C032CB7501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	46 UG/KG		J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	4	C032CB7501	EPA 8270-M	U	CHRYSENE	27 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	4	C032CB7501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	4	C032CB7501	EPA 8270-M	U	FLUORANTHENE	61 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	4	C032CB7501	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	4	C032CB7501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	37 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	4	C032CB7501	EPA 8270-M	U	NAPHTHALENE	2.9 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	4	C032CB7501	EPA 8270-M	U	PHENANTHRENE	21 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-95	SB	REG	4	C032CB7501	EPA 8270-M	U	PYRENE	82 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.2 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	ACENAPHTHENE	9.3 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	ACENAPHTHYLENE	69 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	ANTHRACENE	45 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	BENZ(A)ANTHRACENE	340 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	BENZO(A)PYRENE	480 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	410 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	430 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	310 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	CHRYSENE	370 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	76 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	FLUORANTHENE	910 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	FLUORENE	6.5 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	420 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	NAPHTHALENE	20 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	PHENANTHRENE	320 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	PYRENE	1100 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	2-METHYLNAPHTHALENE	3 UG/KG	J	R	DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	ACENAPHTHENE	52 UG/KG	U	R	DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	ACENAPHTHYLENE	66 UG/KG		R	DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	ANTHRACENE	45 UG/KG	J	R	DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	BENZ(A)ANTHRACENE	340 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	BENZO(A)PYRENE	440 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	350 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	280 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	370 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	CHRYSENE	370 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	53 UG/KG		R	DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	FLUORANTHENE	1100 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	FLUORENE	13 UG/KG	J	R	DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	370 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	NAPHTHALENE	20 UG/KG	J	R	DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	PHENANTHRENE	300 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0	C032CB7701	EPA 8270-M	U	PYRENE	1400 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	2-METHYLNAPHTHALENE	130 UG/KG			000 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	ACENAPHTHENE	260 UG/KG			000 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	ACENAPHTHYLENE	4200 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	FLUORENE	1100 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	NAPHTHALENE	470 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	2-METHYLNAPHTHALENE	2700 UG/KG	U	R	DL1 REG	5/31/2002	6/3/2002	6/19/2002
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	ACENAPHTHENE	2700 UG/KG	U	R	DL1 REG	5/31/2002	6/3/2002	6/19/2002
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	ACENAPHTHYLENE	4100 UG/KG		J	DL1 REG	5/31/2002	6/3/2002	6/19/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	ANTHRACENE	4300 UG/KG		J	DL1 REG	5/31/2002	6/3/2002	6/19/2002
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	BENZ(A)ANTHRACENE	26000 UG/KG		J	DL1 REG	5/31/2002	6/3/2002	6/19/2002
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	BENZO(A)PYRENE	35000 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/19/2002
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	26000 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/19/2002
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	24000 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/19/2002
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	27000 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/19/2002
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	CHRYSENE	29000 UG/KG		J	DL1 REG	5/31/2002	6/3/2002	6/19/2002
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4000 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/19/2002
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	FLUORANTHENE	58000 UG/KG		J	DL1 REG	5/31/2002	6/3/2002	6/19/2002
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	FLUORENE	1200 UG/KG	J	J	DL1 REG	5/31/2002	6/3/2002	6/19/2002
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	20000 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/19/2002
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	NAPHTHALENE	460 UG/KG	J	J	DL1 REG	5/31/2002	6/3/2002	6/19/2002
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	PHENANTHRENE	29000 UG/KG		J	DL1 REG	5/31/2002	6/3/2002	6/19/2002
32EDC-5-96	SB	REG	0.5	C032CB7801	EPA 8270-M	U	PYRENE	72000 UG/KG		J	DL1 REG	5/31/2002	6/3/2002	6/19/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.3 UG/KG	J	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	ACENAPHTHENE	13 UG/KG		R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	ACENAPHTHYLENE	78 UG/KG		R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	ANTHRACENE	89 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	BENZ(A)ANTHRACENE	430 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	BENZO(A)PYRENE	570 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	400 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	460 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	400 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	CHRYSENE	480 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	94 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	FLUORANTHENE	1100 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	FLUORENE	25 UG/KG		R	000 REG	5/31/2002	6/3/2002	6/3/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	590 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	NAPHTHALENE	16 UG/KG		R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	PHENANTHRENE	520 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	PYRENE	1300 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.9 UG/KG	J	J	DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	ACENAPHTHENE	12 UG/KG	JQ	J	DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	ACENAPHTHYLENE	77 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	ANTHRACENE	74 UG/KG		R	DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	BENZ(A)ANTHRACENE	400 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	BENZO(A)PYRENE	500 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	390 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	330 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	400 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	CHRYSENE	430 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	61 UG/KG		R	DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	FLUORANTHENE	1300 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	FLUORENE	26 UG/KG	J	J	DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	420 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	NAPHTHALENE	18 UG/KG	J	J	DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	PHENANTHRENE	510 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	2	C032CB7901	EPA 8270-M	U	PYRENE	1600 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	2-METHYLNAPHTHALENE	16 UG/KG		R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	ACENAPHTHENE	20 UG/KG		J	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	ACENAPHTHYLENE	260 UG/KG		R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	ANTHRACENE	180 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	BENZ(A)ANTHRACENE	620 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	BENZO(A)PYRENE	890 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	690 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	700 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	560 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	CHRYSENE	670 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	120 UG/KG			000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	FLUORANTHENE	2000 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	FLUORENE	75 UG/KG		R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	770 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	NAPHTHALENE	95 UG/KG		R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	PHENANTHRENE	1400 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	PYRENE	2300 UG/KG	E	R	000 REG	5/31/2002	6/3/2002	6/3/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	2-METHYLNAPHTHALENE	12 UG/KG	J	J	DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	ACENAPHTHENE	120 UG/KG	U	R	DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	ACENAPHTHYLENE	210 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	ANTHRACENE	130 UG/KG		R	DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	BENZ(A)ANTHRACENE	490 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	BENZO(A)PYRENE	700 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	540 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	480 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	510 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	CHRYSENE	560 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	74 UG/KG	J	R	DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	FLUORANTHENE	1800 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	FLUORENE	60 UG/KG	J	J	DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	620 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	NAPHTHALENE	92 UG/KG	J	J	DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	PHENANTHRENE	1100 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-96	SB	REG	4	C032CB8001	EPA 8270-M	U	PYRENE	2200 UG/KG			DL1 REG	5/31/2002	6/3/2002	6/5/2002
32EDC-5-97	SB	REG	0	C032CB8101	EPA 8270-M	U	2-METHYLNAPHTHALENE	1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0	C032CB8101	EPA 8270-M	U	ACENAPHTHENE	3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0	C032CB8101	EPA 8270-M	U	ACENAPHTHYLENE	13 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0	C032CB8101	EPA 8270-M	U	ANTHRACENE	10 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0	C032CB8101	EPA 8270-M	U	BENZ(A)ANTHRACENE	56 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0	C032CB8101	EPA 8270-M	U	BENZO(A)PYRENE	52 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0	C032CB8101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	56 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0	C032CB8101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	63 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0	C032CB8101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	47 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0	C032CB8101	EPA 8270-M	U	CHRYSENE	62 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0	C032CB8101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	11 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0	C032CB8101	EPA 8270-M	U	FLUORANTHENE	140 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0	C032CB8101	EPA 8270-M	U	FLUORENE	3.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0	C032CB8101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	47 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0	C032CB8101	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0	C032CB8101	EPA 8270-M	U	PHENANTHRENE	71 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0	C032CB8101	EPA 8270-M	U	PYRENE	180 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0.5	C032CB8201	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0.5	C032CB8201	EPA 8270-M	U	ACENAPHTHENE	3.3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0.5	C032CB8201	EPA 8270-M	U	ACENAPHTHYLENE	16 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0.5	C032CB8201	EPA 8270-M	U	ANTHRACENE	17 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0.5	C032CB8201	EPA 8270-M	U	BENZ(A)ANTHRACENE	82 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0.5	C032CB8201	EPA 8270-M	U	BENZO(A)PYRENE	120 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0.5	C032CB8201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	87 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0.5	C032CB8201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	100 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0.5	C032CB8201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	73 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/4/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-97	SB	REG	0.5	C032CB8201	EPA 8270-M	U	CHRYSENE	89 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0.5	C032CB8201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	15 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0.5	C032CB8201	EPA 8270-M	U	FLUORANTHENE	240 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0.5	C032CB8201	EPA 8270-M	U	FLUORENE	5.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0.5	C032CB8201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	74 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0.5	C032CB8201	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0.5	C032CB8201	EPA 8270-M	U	PHENANTHRENE	110 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	0.5	C032CB8201	EPA 8270-M	U	PYRENE	280 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-5-97	SB	REG	2	C032CB8301	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	2	C032CB8301	EPA 8270-M	U	ACENAPHTHENE	3.7 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	2	C032CB8301	EPA 8270-M	U	ACENAPHTHYLENE	18 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	2	C032CB8301	EPA 8270-M	U	ANTHRACENE	20 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	2	C032CB8301	EPA 8270-M	U	BENZ(A)ANTHRACENE	110 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	2	C032CB8301	EPA 8270-M	U	BENZO(A)PYRENE	160 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	2	C032CB8301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	120 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	2	C032CB8301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	140 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	2	C032CB8301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	82 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	2	C032CB8301	EPA 8270-M	U	CHRYSENE	130 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	2	C032CB8301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	21 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	2	C032CB8301	EPA 8270-M	U	FLUORANTHENE	320 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	2	C032CB8301	EPA 8270-M	U	FLUORENE	5.9 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	2	C032CB8301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	100 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	2	C032CB8301	EPA 8270-M	U	NAPHTHALENE	9.2 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	2	C032CB8301	EPA 8270-M	U	PHENANTHRENE	95 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	2	C032CB8301	EPA 8270-M	U	PYRENE	360 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	4	C032CB8401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	4	C032CB8401	EPA 8270-M	U	ACENAPHTHENE	32 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-97	SB	REG	4	C032CB8401	EPA 8270-M	U	ACENAPHTHYLENE	54 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	4	C032CB8401	EPA 8270-M	U	ANTHRACENE	120 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	4	C032CB8401	EPA 8270-M	U	BENZ(A)ANTHRACENE	480 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	4	C032CB8401	EPA 8270-M	U	BENZO(A)PYRENE	670 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	4	C032CB8401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	460 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	4	C032CB8401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	460 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	4	C032CB8401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	450 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	4	C032CB8401	EPA 8270-M	U	CHRYSENE	570 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	4	C032CB8401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	98 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	4	C032CB8401	EPA 8270-M	U	FLUORANTHENE	920 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	4	C032CB8401	EPA 8270-M	U	FLUORENE	40 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	4	C032CB8401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	350 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	4	C032CB8401	EPA 8270-M	U	NAPHTHALENE	20 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	4	C032CB8401	EPA 8270-M	U	PHENANTHRENE	520 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-97	SB	REG	4	C032CB8401	EPA 8270-M	U	PYRENE	1300 UG/KG			000 REG	5/30/2002	5/31/2002	6/7/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	ACENAPHTHENE	5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	ACENAPHTHYLENE	24 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	ANTHRACENE	27 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	BENZ(A)ANTHRACENE	110 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	BENZO(A)PYRENE	150 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	130 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	140 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	93 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	CHRYSENE	120 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	25 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	FLUORANTHENE	330 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	FLUORENE	8.2 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	120 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	NAPHTHALENE	4.8 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	PHENANTHRENE	170 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	PYRENE	390 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.7 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	JQ	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	ACENAPHTHYLENE	29 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	ANTHRACENE	46 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	BENZ(A)ANTHRACENE	87 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	BENZO(A)PYRENE	190 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	160 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	92 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	70 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	CHRYSENE	220 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	17 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	FLUORANTHENE	390 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	FLUORENE	10 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	120 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	NAPHTHALENE	7.5 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	PHENANTHRENE	190 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	FD	0.5	C032CB8701	EPA 8270-M	U	PYRENE	480 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	ACENAPHTHENE	3.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	ACENAPHTHYLENE	36 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	ANTHRACENE	31 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	BENZ(A)ANTHRACENE	150 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	BENZO(A)PYRENE	230 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	160 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	210 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	140 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	CHRYSENE	160 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	39 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	FLUORANTHENE	390 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	FLUORENE	9.2 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	180 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	PHENANTHRENE	180 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	PYRENE	500 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.2 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	ACENAPHTHENE	6.3 UG/KG	JQ	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	ACENAPHTHYLENE	50 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	ANTHRACENE	65 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	BENZ(A)ANTHRACENE	130 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	BENZO(A)PYRENE	330 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	230 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	180 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	120 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	CHRYSENE	320 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	30 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	FLUORANTHENE	570 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	FLUORENE	14 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	210 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	NAPHTHALENE	9.4 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	PHENANTHRENE	230 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0	C032CB8501	EPA 8270-M	U	PYRENE	720 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.88 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	ACENAPHTHENE	3.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	ACENAPHTHYLENE	19 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	ANTHRACENE	21 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	BENZ(A)ANTHRACENE	95 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	BENZO(A)PYRENE	130 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	100 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	120 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	83 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	CHRYSENE	100 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	21 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	FLUORANTHENE	260 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	FLUORENE	5.7 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	99 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	NAPHTHALENE	3.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	PHENANTHRENE	130 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	PYRENE	310 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.3 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	ACENAPHTHENE	3.8 UG/KG	JQ	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	ACENAPHTHYLENE	23 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	ANTHRACENE	38 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	BENZ(A)ANTHRACENE	68 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	BENZO(A)PYRENE	140 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	120 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	93 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002

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Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	63 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	CHRYSENE	160 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	15 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	FLUORANTHENE	330 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	FLUORENE	7.6 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	100 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	PHENANTHRENE	130 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	0.5	C032CB8601	EPA 8270-M	U	PYRENE	400 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.79 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	ACENAPHTHENE	2.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	ACENAPHTHYLENE	17 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	ANTHRACENE	17 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	BENZ(A)ANTHRACENE	77 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	BENZO(A)PYRENE	110 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	91 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	99 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	64 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	CHRYSENE	82 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	18 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	FLUORANTHENE	220 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	FLUORENE	4.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	85 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	NAPHTHALENE	2.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	PHENANTHRENE	110 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	PYRENE	270 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.93 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	ACENAPHTHENE	2.3 UG/KG	JQ	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	ACENAPHTHYLENE	18 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	ANTHRACENE	29 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	BENZ(A)ANTHRACENE	52 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	BENZO(A)PYRENE	120 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	91 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	73 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	64 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	CHRYSENE	130 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	17 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	FLUORANTHENE	230 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	FLUORENE	5.5 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	80 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	NAPHTHALENE	3.9 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	PHENANTHRENE	99 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	2	C032CB8801	EPA 8270-M	U	PYRENE	290 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-5-98	SB	REG	4	C032CB8901	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.65 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	4	C032CB8901	EPA 8270-M	U	ACENAPHTHENE	1.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	4	C032CB8901	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	4	C032CB8901	EPA 8270-M	U	ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	4	C032CB8901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	4	C032CB8901	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	4	C032CB8901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	9.3 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	4	C032CB8901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.7 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	4	C032CB8901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	4	C032CB8901	EPA 8270-M	U	CHRYSENE	13 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	4	C032CB8901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-98	SB	REG	4	C032CB8901	EPA 8270-M	U	FLUORANTHENE	15 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	4	C032CB8901	EPA 8270-M	U	FLUORENE	1.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	4	C032CB8901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	4	C032CB8901	EPA 8270-M	U	NAPHTHALENE	0.58 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	4	C032CB8901	EPA 8270-M	U	PHENANTHRENE	14 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-98	SB	REG	4	C032CB8901	EPA 8270-M	U	PYRENE	15 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-5-99	SB	REG	0	C032CB9001	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0	C032CB9001	EPA 8270-M	U	ACENAPHTHENE	8.2 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0	C032CB9001	EPA 8270-M	U	ACENAPHTHYLENE	7.5 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0	C032CB9001	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0	C032CB9001	EPA 8270-M	U	BENZ(A)ANTHRACENE	36 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0	C032CB9001	EPA 8270-M	U	BENZO(A)PYRENE	44 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0	C032CB9001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	33 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0	C032CB9001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	40 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0	C032CB9001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	34 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0	C032CB9001	EPA 8270-M	U	CHRYSENE	42 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0	C032CB9001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.7 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0	C032CB9001	EPA 8270-M	U	FLUORANTHENE	100 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0	C032CB9001	EPA 8270-M	U	FLUORENE	4.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0	C032CB9001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	28 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0	C032CB9001	EPA 8270-M	U	NAPHTHALENE	2.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0	C032CB9001	EPA 8270-M	U	PHENANTHRENE	100 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0	C032CB9001	EPA 8270-M	U	PYRENE	130 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0.5	C032CB9101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0.5	C032CB9101	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0.5	C032CB9101	EPA 8270-M	U	ACENAPHTHYLENE	2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0.5	C032CB9101	EPA 8270-M	U	ANTHRACENE	1.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/30/2002

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Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-99	SB	REG	0.5	C032CB9101	EPA 8270-M	U	BENZ(A)ANTHRACENE	9.6 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0.5	C032CB9101	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0.5	C032CB9101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	10 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0.5	C032CB9101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	13 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0.5	C032CB9101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9.5 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0.5	C032CB9101	EPA 8270-M	U	CHRYSENE	10 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0.5	C032CB9101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0.5	C032CB9101	EPA 8270-M	U	FLUORANTHENE	24 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0.5	C032CB9101	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0.5	C032CB9101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.5 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0.5	C032CB9101	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0.5	C032CB9101	EPA 8270-M	U	PHENANTHRENE	16 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	0.5	C032CB9101	EPA 8270-M	U	PYRENE	31 UG/KG			000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	2	C032CB9201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	2	C032CB9201	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	2	C032CB9201	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	2	C032CB9201	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	2	C032CB9201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	2	C032CB9201	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	2	C032CB9201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	2	C032CB9201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	2	C032CB9201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	2	C032CB9201	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	2	C032CB9201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	2	C032CB9201	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	2	C032CB9201	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	2	C032CB9201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002

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Facility: ALAMEDA

Site: EDC5 TRANSFER PARCEL EDC-5

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-5-99	SB	REG	2	C032CB9201	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	2	C032CB9201	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	2	C032CB9201	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/30/2002
32EDC-5-99	SB	REG	4	C032CB9301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-99	SB	REG	4	C032CB9301	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-99	SB	REG	4	C032CB9301	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-99	SB	REG	4	C032CB9301	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-99	SB	REG	4	C032CB9301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-99	SB	REG	4	C032CB9301	EPA 8270-M	U	BENZO(A)PYRENE	1.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-99	SB	REG	4	C032CB9301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-99	SB	REG	4	C032CB9301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-99	SB	REG	4	C032CB9301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-99	SB	REG	4	C032CB9301	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-99	SB	REG	4	C032CB9301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-99	SB	REG	4	C032CB9301	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-99	SB	REG	4	C032CB9301	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-99	SB	REG	4	C032CB9301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-99	SB	REG	4	C032CB9301	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-99	SB	REG	4	C032CB9301	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-5-99	SB	REG	4	C032CB9301	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
Pay Item : PAH'S USING METHOD 8270C WITH SIM														
FQC	BW	ER		C032CR01101	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.25 UG/L	U	U	000 REG	5/20/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR01101	EPA 8270-M	U	ACENAPHTHENE	0.25 UG/L	U	U	000 REG	5/20/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR01101	EPA 8270-M	U	ACENAPHTHYLENE	0.25 UG/L	U	U	000 REG	5/20/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR01101	EPA 8270-M	U	ANTHRACENE	0.25 UG/L	U	U	000 REG	5/20/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR01101	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.25 UG/L	U	U	000 REG	5/20/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR01101	EPA 8270-M	U	BENZO(A)PYRENE	0.25 UG/L	U	U	000 REG	5/20/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR01101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/20/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR01101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.25 UG/L	U	U	000 REG	5/20/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR01101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/20/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR01101	EPA 8270-M	U	CHRYSENE	0.25 UG/L	U	U	000 REG	5/20/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR01101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.25 UG/L	U	U	000 REG	5/20/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR01101	EPA 8270-M	U	FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/20/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR01101	EPA 8270-M	U	FLUORENE	0.25 UG/L	U	U	000 REG	5/20/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR01101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.25 UG/L	U	U	000 REG	5/20/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR01101	EPA 8270-M	U	NAPHTHALENE	0.25 UG/L	U	U	000 REG	5/20/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR01101	EPA 8270-M	U	PHENANTHRENE	0.25 UG/L	U	U	000 REG	5/20/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR01101	EPA 8270-M	U	PYRENE	0.25 UG/L	U	U	000 REG	5/20/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1001	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.0032 UG/L	J	J	000 REG	5/17/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR1001	EPA 8270-M	U	ACENAPHTHENE	0.02 UG/L	U	U	000 REG	5/17/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR1001	EPA 8270-M	U	ACENAPHTHYLENE	0.02 UG/L	U	U	000 REG	5/17/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR1001	EPA 8270-M	U	ANTHRACENE	0.02 UG/L	U	U	000 REG	5/17/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR1001	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.02 UG/L	U	U	000 REG	5/17/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR1001	EPA 8270-M	U	BENZO(A)PYRENE	0.02 UG/L	U	U	000 REG	5/17/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR1001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/17/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR1001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.02 UG/L	U	U	000 REG	5/17/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR1001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/17/2002	5/20/2002	5/22/2002

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
FQC	BW	ER		C032CR1001	EPA 8270-M	U	CHRYSENE	0.02 UG/L	U	U	000 REG	5/17/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR1001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.02 UG/L	U	U	000 REG	5/17/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR1001	EPA 8270-M	U	FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/17/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR1001	EPA 8270-M	U	FLUORENE	0.02 UG/L	U	U	000 REG	5/17/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR1001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.02 UG/L	U	U	000 REG	5/17/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR1001	EPA 8270-M	U	NAPHTHALENE	0.0054 UG/L	J	J	000 REG	5/17/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR1001	EPA 8270-M	U	PHENANTHRENE	0.02 UG/L	U	U	000 REG	5/17/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR1001	EPA 8270-M	U	PYRENE	0.02 UG/L	U	U	000 REG	5/17/2002	5/20/2002	5/22/2002
Pay Item : PAH'S USING METHOD 8270C WITH SIM														
32EDC-12-1	SB	REG	0	C032C34901	EPA 8270-M	U	2-METHYLNAPHTHALENE	2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0	C032C34901	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0	C032C34901	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0	C032C34901	EPA 8270-M	U	ANTHRACENE	0.65 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0	C032C34901	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0	C032C34901	EPA 8270-M	U	BENZO(A)PYRENE	4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0	C032C34901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0	C032C34901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.1 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0	C032C34901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0	C032C34901	EPA 8270-M	U	CHRYSENE	6.1 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0	C032C34901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0	C032C34901	EPA 8270-M	U	FLUORANTHENE	3.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0	C032C34901	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0	C032C34901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0	C032C34901	EPA 8270-M	U	NAPHTHALENE	2.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0	C032C34901	EPA 8270-M	U	PHENANTHRENE	3.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0	C032C34901	EPA 8270-M	U	PYRENE	3.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0.5	C032C35001	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.63 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002

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Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-1	SB	REG	0.5	C032C35001	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0.5	C032C35001	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0.5	C032C35001	EPA 8270-M	U	ANTHRACENE	0.45 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0.5	C032C35001	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0.5	C032C35001	EPA 8270-M	U	BENZO(A)PYRENE	2.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0.5	C032C35001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0.5	C032C35001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0.5	C032C35001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0.5	C032C35001	EPA 8270-M	U	CHRYSENE	2.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0.5	C032C35001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.57 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0.5	C032C35001	EPA 8270-M	U	FLUORANTHENE	3.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0.5	C032C35001	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0.5	C032C35001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0.5	C032C35001	EPA 8270-M	U	NAPHTHALENE	0.58 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0.5	C032C35001	EPA 8270-M	U	PHENANTHRENE	2.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	0.5	C032C35001	EPA 8270-M	U	PYRENE	4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	2	C032C35101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	2	C032C35101	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	2	C032C35101	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	2	C032C35101	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	2	C032C35101	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.51 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	2	C032C35101	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	2	C032C35101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	2	C032C35101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.42 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	2	C032C35101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	2	C032C35101	EPA 8270-M	U	CHRYSENE	0.41 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	2	C032C35101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002

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Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-1	SB	REG	2	C032C35101	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	2	C032C35101	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	2	C032C35101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	2	C032C35101	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	2	C032C35101	EPA 8270-M	U	PHENANTHRENE	0.55 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	2	C032C35101	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	4	C032C35201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	4	C032C35201	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	4	C032C35201	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	4	C032C35201	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	4	C032C35201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	4	C032C35201	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	4	C032C35201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	4	C032C35201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	4	C032C35201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	4	C032C35201	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	4	C032C35201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	4	C032C35201	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	4	C032C35201	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	4	C032C35201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	4	C032C35201	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	4	C032C35201	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-1	SB	REG	4	C032C35201	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-10	SB	FD	4	C032C39201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	FD	4	C032C39201	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	FD	4	C032C39201	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	FD	4	C032C39201	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-10	SB	FD	4	C032C39201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	FD	4	C032C39201	EPA 8270-M	U	BENZO(A)PYRENE	1.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	FD	4	C032C39201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	FD	4	C032C39201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	FD	4	C032C39201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	FD	4	C032C39201	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	FD	4	C032C39201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	FD	4	C032C39201	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	FD	4	C032C39201	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	FD	4	C032C39201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	FD	4	C032C39201	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	FD	4	C032C39201	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	FD	4	C032C39201	EPA 8270-M	U	PYRENE	2.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	0	C032C38801	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.67 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-10	SB	REG	0	C032C38801	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-10	SB	REG	0	C032C38801	EPA 8270-M	U	ACENAPHTHYLENE	1.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-10	SB	REG	0	C032C38801	EPA 8270-M	U	ANTHRACENE	1.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-10	SB	REG	0	C032C38801	EPA 8270-M	U	BENZ(A)ANTHRACENE	15 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-10	SB	REG	0	C032C38801	EPA 8270-M	U	BENZO(A)PYRENE	17 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-10	SB	REG	0	C032C38801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	12 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-10	SB	REG	0	C032C38801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	18 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-10	SB	REG	0	C032C38801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.9 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-10	SB	REG	0	C032C38801	EPA 8270-M	U	CHRYSENE	7.6 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-10	SB	REG	0	C032C38801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-10	SB	REG	0	C032C38801	EPA 8270-M	U	FLUORANTHENE	11 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-10	SB	REG	0	C032C38801	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-10	SB	REG	0	C032C38801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	16 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-10	SB	REG	0	C032C38801	EPA 8270-M	U	NAPHTHALENE	1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-10	SB	REG	0	C032C38801	EPA 8270-M	U	PHENANTHRENE	3.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-10	SB	REG	0	C032C38801	EPA 8270-M	U	PYRENE	16 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-10	SB	REG	0.5	C032C38901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	0.5	C032C38901	EPA 8270-M	U	ACENAPHTHENE	1.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	0.5	C032C38901	EPA 8270-M	U	ACENAPHTHYLENE	3.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	0.5	C032C38901	EPA 8270-M	U	ANTHRACENE	4.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	0.5	C032C38901	EPA 8270-M	U	BENZ(A)ANTHRACENE	18 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	0.5	C032C38901	EPA 8270-M	U	BENZO(A)PYRENE	32 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	0.5	C032C38901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	25 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	0.5	C032C38901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	25 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	0.5	C032C38901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	18 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	0.5	C032C38901	EPA 8270-M	U	CHRYSENE	22 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	0.5	C032C38901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	0.5	C032C38901	EPA 8270-M	U	FLUORANTHENE	41 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	0.5	C032C38901	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	0.5	C032C38901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	16 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	0.5	C032C38901	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	0.5	C032C38901	EPA 8270-M	U	PHENANTHRENE	13 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	0.5	C032C38901	EPA 8270-M	U	PYRENE	53 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	2	C032C39001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	2	C032C39001	EPA 8270-M	U	ACENAPHTHENE	2.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	2	C032C39001	EPA 8270-M	U	ACENAPHTHYLENE	13 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	2	C032C39001	EPA 8270-M	U	ANTHRACENE	22 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	2	C032C39001	EPA 8270-M	U	BENZ(A)ANTHRACENE	76 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	2	C032C39001	EPA 8270-M	U	BENZO(A)PYRENE	100 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	2	C032C39001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	77 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-10	SB	REG	2	C032C39001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	65 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	2	C032C39001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	63 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	2	C032C39001	EPA 8270-M	U	CHRYSENE	85 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	2	C032C39001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	11 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	2	C032C39001	EPA 8270-M	U	FLUORANTHENE	160 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	2	C032C39001	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	2	C032C39001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	45 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	2	C032C39001	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	2	C032C39001	EPA 8270-M	U	PHENANTHRENE	130 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	2	C032C39001	EPA 8270-M	U	PYRENE	230 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	4	C032C39101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	4	C032C39101	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	4	C032C39101	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	4	C032C39101	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	4	C032C39101	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	4	C032C39101	EPA 8270-M	U	BENZO(A)PYRENE	2.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	4	C032C39101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	4	C032C39101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	4	C032C39101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	4	C032C39101	EPA 8270-M	U	CHRYSENE	2.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	4	C032C39101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	4	C032C39101	EPA 8270-M	U	FLUORANTHENE	3.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	4	C032C39101	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	4	C032C39101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	4	C032C39101	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	4	C032C39101	EPA 8270-M	U	PHENANTHRENE	2.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-10	SB	REG	4	C032C39101	EPA 8270-M	U	PYRENE	4.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002

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Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-11	SB	REG	0	C032C39301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0	C032C39301	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0	C032C39301	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0	C032C39301	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0	C032C39301	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0	C032C39301	EPA 8270-M	U	BENZO(A)PYRENE	2.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0	C032C39301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0	C032C39301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0	C032C39301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0	C032C39301	EPA 8270-M	U	CHRYSENE	2.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0	C032C39301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.63 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0	C032C39301	EPA 8270-M	U	FLUORANTHENE	2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0	C032C39301	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0	C032C39301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0	C032C39301	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0	C032C39301	EPA 8270-M	U	PHENANTHRENE	1.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0	C032C39301	EPA 8270-M	U	PYRENE	2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0.5	C032C39401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0.5	C032C39401	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0.5	C032C39401	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0.5	C032C39401	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0.5	C032C39401	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.38 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0.5	C032C39401	EPA 8270-M	U	BENZO(A)PYRENE	0.59 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0.5	C032C39401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0.5	C032C39401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.48 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0.5	C032C39401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0.5	C032C39401	EPA 8270-M	U	CHRYSENE	0.46 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-11	SB	REG	0.5	C032C39401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0.5	C032C39401	EPA 8270-M	U	FLUORANTHENE	0.55 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0.5	C032C39401	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0.5	C032C39401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0.5	C032C39401	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0.5	C032C39401	EPA 8270-M	U	PHENANTHRENE	0.47 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	0.5	C032C39401	EPA 8270-M	U	PYRENE	0.68 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	2	C032C39501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	2	C032C39501	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	2	C032C39501	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	2	C032C39501	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	2	C032C39501	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.38 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	2	C032C39501	EPA 8270-M	U	BENZO(A)PYRENE	0.53 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	2	C032C39501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	2	C032C39501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.36 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	2	C032C39501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	2	C032C39501	EPA 8270-M	U	CHRYSENE	0.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	2	C032C39501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	2	C032C39501	EPA 8270-M	U	FLUORANTHENE	0.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	2	C032C39501	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	2	C032C39501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	2	C032C39501	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	2	C032C39501	EPA 8270-M	U	PHENANTHRENE	0.42 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	2	C032C39501	EPA 8270-M	U	PYRENE	0.46 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	4	C032C39601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	4	C032C39601	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	4	C032C39601	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-11	SB	REG	4	C032C39601	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	4	C032C39601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	4	C032C39601	EPA 8270-M	U	BENZO(A)PYRENE	0.48 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	4	C032C39601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	4	C032C39601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	4	C032C39601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	4	C032C39601	EPA 8270-M	U	CHRYSENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	4	C032C39601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	4	C032C39601	EPA 8270-M	U	FLUORANTHENE	0.62 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	4	C032C39601	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	4	C032C39601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	4	C032C39601	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	4	C032C39601	EPA 8270-M	U	PHENANTHRENE	0.57 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-11	SB	REG	4	C032C39601	EPA 8270-M	U	PYRENE	0.71 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-12	SB	REG	0	C032C39701	EPA 8270-M	U	2-METHYLNAPHTHALENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0	C032C39701	EPA 8270-M	U	ACENAPHTHENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0	C032C39701	EPA 8270-M	U	ACENAPHTHYLENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0	C032C39701	EPA 8270-M	U	ANTHRACENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0	C032C39701	EPA 8270-M	U	BENZ(A)ANTHRACENE	100 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0	C032C39701	EPA 8270-M	U	BENZO(A)PYRENE	30 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0	C032C39701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	100 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0	C032C39701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	56 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0	C032C39701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	100 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0	C032C39701	EPA 8270-M	U	CHRYSENE	100 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0	C032C39701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	100 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0	C032C39701	EPA 8270-M	U	FLUORANTHENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0	C032C39701	EPA 8270-M	U	FLUORENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-12	SB	REG	0	C032C39701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0	C032C39701	EPA 8270-M	U	NAPHTHALENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0	C032C39701	EPA 8270-M	U	PHENANTHRENE	100 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0	C032C39701	EPA 8270-M	U	PYRENE	39 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0.5	C032C39801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0.5	C032C39801	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0.5	C032C39801	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0.5	C032C39801	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0.5	C032C39801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0.5	C032C39801	EPA 8270-M	U	BENZO(A)PYRENE	1.4 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0.5	C032C39801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0.5	C032C39801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.7 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0.5	C032C39801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0.5	C032C39801	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0.5	C032C39801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0.5	C032C39801	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0.5	C032C39801	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0.5	C032C39801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0.5	C032C39801	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0.5	C032C39801	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	0.5	C032C39801	EPA 8270-M	U	PYRENE	1.3 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	2	C032C39901	EPA 8270-M	U	2-METHYLNAPHTHALENE	26 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	2	C032C39901	EPA 8270-M	U	ACENAPHTHENE	26 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	2	C032C39901	EPA 8270-M	U	ACENAPHTHYLENE	26 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	2	C032C39901	EPA 8270-M	U	ANTHRACENE	26 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	2	C032C39901	EPA 8270-M	U	BENZ(A)ANTHRACENE	26 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	2	C032C39901	EPA 8270-M	U	BENZO(A)PYRENE	2.4 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-12	SB	REG	2	C032C39901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	26 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	2	C032C39901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.7 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	2	C032C39901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	26 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	2	C032C39901	EPA 8270-M	U	CHRYSENE	26 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	2	C032C39901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	26 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	2	C032C39901	EPA 8270-M	U	FLUORANTHENE	26 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	2	C032C39901	EPA 8270-M	U	FLUORENE	26 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	2	C032C39901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	26 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	2	C032C39901	EPA 8270-M	U	NAPHTHALENE	26 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	2	C032C39901	EPA 8270-M	U	PHENANTHRENE	26 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	2	C032C39901	EPA 8270-M	U	PYRENE	4.4 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	4	C032C40001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	4	C032C40001	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	4	C032C40001	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	4	C032C40001	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	4	C032C40001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	4	C032C40001	EPA 8270-M	U	BENZO(A)PYRENE	0.77 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	4	C032C40001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	4	C032C40001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.85 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	4	C032C40001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	4	C032C40001	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	4	C032C40001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	4	C032C40001	EPA 8270-M	U	FLUORANTHENE	0.72 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	4	C032C40001	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	4	C032C40001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	4	C032C40001	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-12	SB	REG	4	C032C40001	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-12	SB	REG	4	C032C40001	EPA 8270-M	U	PYRENE	1 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-13	SB	FD	0.5	C032C40301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	FD	0.5	C032C40301	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	FD	0.5	C032C40301	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	FD	0.5	C032C40301	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	FD	0.5	C032C40301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	FD	0.5	C032C40301	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	FD	0.5	C032C40301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	FD	0.5	C032C40301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.5 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	FD	0.5	C032C40301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	FD	0.5	C032C40301	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	FD	0.5	C032C40301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	FD	0.5	C032C40301	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	FD	0.5	C032C40301	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	FD	0.5	C032C40301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.86 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	FD	0.5	C032C40301	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	FD	0.5	C032C40301	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	FD	0.5	C032C40301	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0	C032C40101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0	C032C40101	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0	C032C40101	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0	C032C40101	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0	C032C40101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0	C032C40101	EPA 8270-M	U	BENZO(A)PYRENE	2.8 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0	C032C40101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0	C032C40101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0	C032C40101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-13	SB	REG	0	C032C40101	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0	C032C40101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0	C032C40101	EPA 8270-M	U	FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0	C032C40101	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0	C032C40101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.3 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0	C032C40101	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0	C032C40101	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0	C032C40101	EPA 8270-M	U	PYRENE	2.1 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0.5	C032C40201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0.5	C032C40201	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0.5	C032C40201	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0.5	C032C40201	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0.5	C032C40201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0.5	C032C40201	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0.5	C032C40201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0.5	C032C40201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0.5	C032C40201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0.5	C032C40201	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0.5	C032C40201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0.5	C032C40201	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0.5	C032C40201	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0.5	C032C40201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.69 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0.5	C032C40201	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0.5	C032C40201	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	0.5	C032C40201	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	2	C032C40401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	2	C032C40401	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-13	SB	REG	2	C032C40401	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	2	C032C40401	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	2	C032C40401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	2	C032C40401	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	2	C032C40401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	2	C032C40401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	2	C032C40401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	2	C032C40401	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	2	C032C40401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	2	C032C40401	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	2	C032C40401	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	2	C032C40401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	2	C032C40401	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	2	C032C40401	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	2	C032C40401	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	4	C032C40501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	4	C032C40501	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	4	C032C40501	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	4	C032C40501	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	4	C032C40501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	4	C032C40501	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	4	C032C40501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	4	C032C40501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	4	C032C40501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	4	C032C40501	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	4	C032C40501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	4	C032C40501	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-13	SB	REG	4	C032C40501	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	4	C032C40501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	4	C032C40501	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	4	C032C40501	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-13	SB	REG	4	C032C40501	EPA 8270-M	U	PYRENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0	C032C40601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0	C032C40601	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0	C032C40601	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0	C032C40601	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0	C032C40601	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0	C032C40601	EPA 8270-M	U	BENZO(A)PYRENE	2.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0	C032C40601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0	C032C40601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.2 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0	C032C40601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0	C032C40601	EPA 8270-M	U	CHRYSENE	2.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0	C032C40601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0	C032C40601	EPA 8270-M	U	FLUORANTHENE	4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0	C032C40601	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0	C032C40601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0	C032C40601	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0	C032C40601	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0	C032C40601	EPA 8270-M	U	PYRENE	5.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0.5	C032C40701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0.5	C032C40701	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0.5	C032C40701	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0.5	C032C40701	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0.5	C032C40701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-14	SB	REG	0.5	C032C40701	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0.5	C032C40701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0.5	C032C40701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0.5	C032C40701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0.5	C032C40701	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0.5	C032C40701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0.5	C032C40701	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0.5	C032C40701	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0.5	C032C40701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0.5	C032C40701	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0.5	C032C40701	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	0.5	C032C40701	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	2	C032C40801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	2	C032C40801	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	2	C032C40801	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	2	C032C40801	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	2	C032C40801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	2	C032C40801	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	2	C032C40801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	2	C032C40801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	2	C032C40801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	2	C032C40801	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	2	C032C40801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	2	C032C40801	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	2	C032C40801	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	2	C032C40801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	2	C032C40801	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-14	SB	REG	2	C032C40801	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	2	C032C40801	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	4	C032C40901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	4	C032C40901	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	4	C032C40901	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	4	C032C40901	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	4	C032C40901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	4	C032C40901	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	4	C032C40901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	4	C032C40901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	4	C032C40901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	4	C032C40901	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	4	C032C40901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	4	C032C40901	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	4	C032C40901	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	4	C032C40901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	4	C032C40901	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	4	C032C40901	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-14	SB	REG	4	C032C40901	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-15	SB	FD	4	C032C41401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	FD	4	C032C41401	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	FD	4	C032C41401	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	UJ	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	FD	4	C032C41401	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	FD	4	C032C41401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	FD	4	C032C41401	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	FD	4	C032C41401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	FD	4	C032C41401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-15	SB	FD	4	C032C41401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	FD	4	C032C41401	EPA 8270-M	U	CHRYSENE	1.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	FD	4	C032C41401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	FD	4	C032C41401	EPA 8270-M	U	FLUORANTHENE	2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	FD	4	C032C41401	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	FD	4	C032C41401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	FD	4	C032C41401	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	FD	4	C032C41401	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	FD	4	C032C41401	EPA 8270-M	U	PYRENE	2.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0	C032C41001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0	C032C41001	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0	C032C41001	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	UJ	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0	C032C41001	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0	C032C41001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0	C032C41001	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0	C032C41001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0	C032C41001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0	C032C41001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0	C032C41001	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0	C032C41001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0	C032C41001	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0	C032C41001	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0	C032C41001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0	C032C41001	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0	C032C41001	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0	C032C41001	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0.5	C032C41101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-15	SB	REG	0.5	C032C41101	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0.5	C032C41101	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	UJ	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0.5	C032C41101	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0.5	C032C41101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0.5	C032C41101	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0.5	C032C41101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0.5	C032C41101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0.5	C032C41101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0.5	C032C41101	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0.5	C032C41101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0.5	C032C41101	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0.5	C032C41101	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0.5	C032C41101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0.5	C032C41101	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0.5	C032C41101	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	0.5	C032C41101	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	2	C032C41201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	2	C032C41201	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	2	C032C41201	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	UJ	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	2	C032C41201	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	2	C032C41201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	2	C032C41201	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	2	C032C41201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	2	C032C41201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	2	C032C41201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	2	C032C41201	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	2	C032C41201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-15	SB	REG	2	C032C41201	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	2	C032C41201	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	2	C032C41201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	2	C032C41201	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	2	C032C41201	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	2	C032C41201	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	4	C032C41301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	4	C032C41301	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	4	C032C41301	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	UJ	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	4	C032C41301	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	4	C032C41301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	4	C032C41301	EPA 8270-M	U	BENZO(A)PYRENE	1.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	4	C032C41301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	4	C032C41301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	4	C032C41301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	4	C032C41301	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	4	C032C41301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	4	C032C41301	EPA 8270-M	U	FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	4	C032C41301	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	4	C032C41301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	4	C032C41301	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	4	C032C41301	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-15	SB	REG	4	C032C41301	EPA 8270-M	U	PYRENE	2.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-16	SB	REG	0	C032C41501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0	C032C41501	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0	C032C41501	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0	C032C41501	EPA 8270-M	U	ANTHRACENE	0.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-16	SB	REG	0	C032C41501	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0	C032C41501	EPA 8270-M	U	BENZO(A)PYRENE	8.6 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0	C032C41501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0	C032C41501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	9.8 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0	C032C41501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7 UG/KG	B	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0	C032C41501	EPA 8270-M	U	CHRYSENE	6 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0	C032C41501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0	C032C41501	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0	C032C41501	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0	C032C41501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.6 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0	C032C41501	EPA 8270-M	U	NAPHTHALENE	1.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0	C032C41501	EPA 8270-M	U	PHENANTHRENE	3.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0	C032C41501	EPA 8270-M	U	PYRENE	8.3 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0.5	C032C41601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0.5	C032C41601	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0.5	C032C41601	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0.5	C032C41601	EPA 8270-M	U	ANTHRACENE	0.68 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0.5	C032C41601	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0.5	C032C41601	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0.5	C032C41601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.3 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0.5	C032C41601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.5 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0.5	C032C41601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0.5	C032C41601	EPA 8270-M	U	CHRYSENE	10 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0.5	C032C41601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0.5	C032C41601	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0.5	C032C41601	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0.5	C032C41601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.1 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-16	SB	REG	0.5	C032C41601	EPA 8270-M	U	NAPHTHALENE	0.68 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0.5	C032C41601	EPA 8270-M	U	PHENANTHRENE	4.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	0.5	C032C41601	EPA 8270-M	U	PYRENE	10 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	2	C032C41701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	2	C032C41701	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	2	C032C41701	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	2	C032C41701	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	2	C032C41701	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	2	C032C41701	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	2	C032C41701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	2	C032C41701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	2	C032C41701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	2	C032C41701	EPA 8270-M	U	CHRYSENE	5.5 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	2	C032C41701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	2	C032C41701	EPA 8270-M	U	FLUORANTHENE	4.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	2	C032C41701	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	2	C032C41701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.2 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	2	C032C41701	EPA 8270-M	U	NAPHTHALENE	0.44 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	2	C032C41701	EPA 8270-M	U	PHENANTHRENE	1.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	2	C032C41701	EPA 8270-M	U	PYRENE	5.7 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-16	SB	REG	4	C032C41801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-12-16	SB	REG	4	C032C41801	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-12-16	SB	REG	4	C032C41801	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-12-16	SB	REG	4	C032C41801	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-12-16	SB	REG	4	C032C41801	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-12-16	SB	REG	4	C032C41801	EPA 8270-M	U	BENZO(A)PYRENE	7.8 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-12-16	SB	REG	4	C032C41801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-16	SB	REG	4	C032C41801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.5 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-12-16	SB	REG	4	C032C41801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-12-16	SB	REG	4	C032C41801	EPA 8270-M	U	CHRYSENE	5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-12-16	SB	REG	4	C032C41801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-12-16	SB	REG	4	C032C41801	EPA 8270-M	U	FLUORANTHENE	5.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-12-16	SB	REG	4	C032C41801	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-12-16	SB	REG	4	C032C41801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.2 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-12-16	SB	REG	4	C032C41801	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-12-16	SB	REG	4	C032C41801	EPA 8270-M	U	PHENANTHRENE	1.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-12-16	SB	REG	4	C032C41801	EPA 8270-M	U	PYRENE	7.7 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32EDC-12-18	SB	FD	0.5	C032C42501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	FD	0.5	C032C42501	EPA 8270-M	U	ACENAPHTHENE	2.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	FD	0.5	C032C42501	EPA 8270-M	U	ACENAPHTHYLENE	6.3 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	FD	0.5	C032C42501	EPA 8270-M	U	ANTHRACENE	15 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	FD	0.5	C032C42501	EPA 8270-M	U	BENZ(A)ANTHRACENE	52 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	FD	0.5	C032C42501	EPA 8270-M	U	BENZO(A)PYRENE	57 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	FD	0.5	C032C42501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	59 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	FD	0.5	C032C42501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	46 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	FD	0.5	C032C42501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	46 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	FD	0.5	C032C42501	EPA 8270-M	U	CHRYSENE	62 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	FD	0.5	C032C42501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	FD	0.5	C032C42501	EPA 8270-M	U	FLUORANTHENE	140 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	FD	0.5	C032C42501	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	FD	0.5	C032C42501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	34 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	FD	0.5	C032C42501	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	FD	0.5	C032C42501	EPA 8270-M	U	PHENANTHRENE	52 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	FD	0.5	C032C42501	EPA 8270-M	U	PYRENE	140 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-18	SB	REG	0	C032C42301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0	C032C42301	EPA 8270-M	U	ACENAPHTHENE	2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0	C032C42301	EPA 8270-M	U	ACENAPHTHYLENE	8.2 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0	C032C42301	EPA 8270-M	U	ANTHRACENE	12 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0	C032C42301	EPA 8270-M	U	BENZ(A)ANTHRACENE	34 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0	C032C42301	EPA 8270-M	U	BENZO(A)PYRENE	52 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0	C032C42301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	58 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0	C032C42301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	64 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0	C032C42301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	43 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0	C032C42301	EPA 8270-M	U	CHRYSENE	51 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0	C032C42301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	11 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0	C032C42301	EPA 8270-M	U	FLUORANTHENE	70 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0	C032C42301	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0	C032C42301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	37 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0	C032C42301	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0	C032C42301	EPA 8270-M	U	PHENANTHRENE	20 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0	C032C42301	EPA 8270-M	U	PYRENE	90 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0.5	C032C42401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0.5	C032C42401	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0.5	C032C42401	EPA 8270-M	U	ACENAPHTHYLENE	3.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0.5	C032C42401	EPA 8270-M	U	ANTHRACENE	6.4 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0.5	C032C42401	EPA 8270-M	U	BENZ(A)ANTHRACENE	17 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0.5	C032C42401	EPA 8270-M	U	BENZO(A)PYRENE	25 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0.5	C032C42401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	27 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0.5	C032C42401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	27 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0.5	C032C42401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	20 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0.5	C032C42401	EPA 8270-M	U	CHRYSENE	21 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-18	SB	REG	0.5	C032C42401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0.5	C032C42401	EPA 8270-M	U	FLUORANTHENE	20 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0.5	C032C42401	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0.5	C032C42401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	17 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0.5	C032C42401	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0.5	C032C42401	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	0.5	C032C42401	EPA 8270-M	U	PYRENE	28 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	2	C032C42601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	2	C032C42601	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	2	C032C42601	EPA 8270-M	U	ACENAPHTHYLENE	4.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	2	C032C42601	EPA 8270-M	U	ANTHRACENE	7.1 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	2	C032C42601	EPA 8270-M	U	BENZ(A)ANTHRACENE	18 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	2	C032C42601	EPA 8270-M	U	BENZO(A)PYRENE	25 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	2	C032C42601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	24 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	2	C032C42601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	20 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	2	C032C42601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	20 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	2	C032C42601	EPA 8270-M	U	CHRYSENE	24 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	2	C032C42601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	2	C032C42601	EPA 8270-M	U	FLUORANTHENE	37 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	2	C032C42601	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	2	C032C42601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	12 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	2	C032C42601	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	2	C032C42601	EPA 8270-M	U	PHENANTHRENE	21 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	2	C032C42601	EPA 8270-M	U	PYRENE	45 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	4	C032C42701	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	4	C032C42701	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	4	C032C42701	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-18	SB	REG	4	C032C42701	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	4	C032C42701	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	4	C032C42701	EPA 8270-M	U	BENZO(A)PYRENE	11 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	4	C032C42701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	9.5 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	4	C032C42701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.6 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	4	C032C42701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.3 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	4	C032C42701	EPA 8270-M	U	CHRYSENE	5.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	4	C032C42701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	4	C032C42701	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	4	C032C42701	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	4	C032C42701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	4	C032C42701	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	4	C032C42701	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-18	SB	REG	4	C032C42701	EPA 8270-M	U	PYRENE	8.3 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-19	SB	REG	0	C032C42801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-19	SB	REG	0	C032C42801	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-19	SB	REG	0	C032C42801	EPA 8270-M	U	ACENAPHTHYLENE	1.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-19	SB	REG	0	C032C42801	EPA 8270-M	U	ANTHRACENE	4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-19	SB	REG	0	C032C42801	EPA 8270-M	U	BENZ(A)ANTHRACENE	16 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-19	SB	REG	0	C032C42801	EPA 8270-M	U	BENZO(A)PYRENE	21 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-19	SB	REG	0	C032C42801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	26 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-19	SB	REG	0	C032C42801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	32 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-19	SB	REG	0	C032C42801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	27 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-19	SB	REG	0	C032C42801	EPA 8270-M	U	CHRYSENE	30 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-19	SB	REG	0	C032C42801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-19	SB	REG	0	C032C42801	EPA 8270-M	U	FLUORANTHENE	33 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-19	SB	REG	0	C032C42801	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-19	SB	REG	0	C032C42801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	17 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-19	SB	REG	0	C032C42801	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-19	SB	REG	0	C032C42801	EPA 8270-M	U	PHENANTHRENE	12 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-19	SB	REG	0	C032C42801	EPA 8270-M	U	PYRENE	37 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-19	SB	REG	0.5	C032C42901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	0.5	C032C42901	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	0.5	C032C42901	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	0.5	C032C42901	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	0.5	C032C42901	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	0.5	C032C42901	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	0.5	C032C42901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	0.5	C032C42901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	0.5	C032C42901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	0.5	C032C42901	EPA 8270-M	U	CHRYSENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	0.5	C032C42901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	0.5	C032C42901	EPA 8270-M	U	FLUORANTHENE	2.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	0.5	C032C42901	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	0.5	C032C42901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	0.5	C032C42901	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	0.5	C032C42901	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	0.5	C032C42901	EPA 8270-M	U	PYRENE	3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	2	C032C43001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	2	C032C43001	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	2	C032C43001	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	2	C032C43001	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	2	C032C43001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	2	C032C43001	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-19	SB	REG	2	C032C43001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	2	C032C43001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	2	C032C43001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	2	C032C43001	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	2	C032C43001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	2	C032C43001	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	2	C032C43001	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	2	C032C43001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	2	C032C43001	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	2	C032C43001	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	2	C032C43001	EPA 8270-M	U	PYRENE	1.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	4	C032C43101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	4	C032C43101	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	4	C032C43101	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	4	C032C43101	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	4	C032C43101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	4	C032C43101	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	4	C032C43101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	4	C032C43101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	4	C032C43101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	4	C032C43101	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	4	C032C43101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	4	C032C43101	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	4	C032C43101	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	4	C032C43101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.88 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	4	C032C43101	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-19	SB	REG	4	C032C43101	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002

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Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-19	SB	REG	4	C032C43101	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-2	SB	REG	0	C032C35301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0	C032C35301	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0	C032C35301	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0	C032C35301	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0	C032C35301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0	C032C35301	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0	C032C35301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0	C032C35301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0	C032C35301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0	C032C35301	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0	C032C35301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0	C032C35301	EPA 8270-M	U	FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0	C032C35301	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0	C032C35301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0	C032C35301	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0	C032C35301	EPA 8270-M	U	PHENANTHRENE	1.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0	C032C35301	EPA 8270-M	U	PYRENE	1.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0.5	C032C35401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0.5	C032C35401	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0.5	C032C35401	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0.5	C032C35401	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0.5	C032C35401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0.5	C032C35401	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0.5	C032C35401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0.5	C032C35401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0.5	C032C35401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-2	SB	REG	0.5	C032C35401	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0.5	C032C35401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0.5	C032C35401	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0.5	C032C35401	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0.5	C032C35401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0.5	C032C35401	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0.5	C032C35401	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	0.5	C032C35401	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	2	C032C35501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	2	C032C35501	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	2	C032C35501	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	2	C032C35501	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	2	C032C35501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	2	C032C35501	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	2	C032C35501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	2	C032C35501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	2	C032C35501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	2	C032C35501	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	2	C032C35501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	2	C032C35501	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	2	C032C35501	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	2	C032C35501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	2	C032C35501	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	2	C032C35501	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	2	C032C35501	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	4	C032C35601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	4	C032C35601	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-2	SB	REG	4	C032C35601	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	4	C032C35601	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	4	C032C35601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	4	C032C35601	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	4	C032C35601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	4	C032C35601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	4	C032C35601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	4	C032C35601	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	4	C032C35601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	4	C032C35601	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	4	C032C35601	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	4	C032C35601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	4	C032C35601	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	4	C032C35601	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-2	SB	REG	4	C032C35601	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	FD	4	C032C43601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	FD	4	C032C43601	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	FD	4	C032C43601	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	FD	4	C032C43601	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	FD	4	C032C43601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	FD	4	C032C43601	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	FD	4	C032C43601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	FD	4	C032C43601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	FD	4	C032C43601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	FD	4	C032C43601	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	FD	4	C032C43601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	FD	4	C032C43601	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-20	SB	FD	4	C032C43601	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	FD	4	C032C43601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	FD	4	C032C43601	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	FD	4	C032C43601	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	FD	4	C032C43601	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	R	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG		J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	R	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	37 UG/KG		R	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	R	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	CHRYSENE	13 UG/KG		J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9.1 UG/KG		J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.4 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	PYRENE	3.2 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	2-METHYLNAPHTHALENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	ACENAPHTHENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	ACENAPHTHYLENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	ANTHRACENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	BENZ(A)ANTHRACENE	52 UG/KG	U	U	DL1 REG	5/17/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	BENZO(A)PYRENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	52 UG/KG	U	U	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	41 UG/KG	JD	J	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	52 UG/KG	U	U	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	CHRYSENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	FLUORANTHENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	FLUORENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	NAPHTHALENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	PHENANTHRENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0	C032C43201	EPA 8270-M	U	PYRENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0.5	C032C43301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0.5	C032C43301	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0.5	C032C43301	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0.5	C032C43301	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0.5	C032C43301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0.5	C032C43301	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0.5	C032C43301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0.5	C032C43301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.2 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0.5	C032C43301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0.5	C032C43301	EPA 8270-M	U	CHRYSENE	3.7 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0.5	C032C43301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0.5	C032C43301	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0.5	C032C43301	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0.5	C032C43301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.2 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0.5	C032C43301	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-20	SB	REG	0.5	C032C43301	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	0.5	C032C43301	EPA 8270-M	U	PYRENE	2 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	2	C032C43401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	2	C032C43401	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	2	C032C43401	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	2	C032C43401	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	2	C032C43401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	2	C032C43401	EPA 8270-M	U	BENZO(A)PYRENE	2.8 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	2	C032C43401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.9 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	2	C032C43401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	9.3 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	2	C032C43401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	2	C032C43401	EPA 8270-M	U	CHRYSENE	7 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	2	C032C43401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	2	C032C43401	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	2	C032C43401	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	2	C032C43401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.2 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	2	C032C43401	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	2	C032C43401	EPA 8270-M	U	PHENANTHRENE	1.7 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	2	C032C43401	EPA 8270-M	U	PYRENE	2.3 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	4	C032C43501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	4	C032C43501	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	4	C032C43501	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	4	C032C43501	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	4	C032C43501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	4	C032C43501	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	4	C032C43501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	4	C032C43501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-20	SB	REG	4	C032C43501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	4	C032C43501	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	4	C032C43501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	4	C032C43501	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	4	C032C43501	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	4	C032C43501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	4	C032C43501	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	4	C032C43501	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-20	SB	REG	4	C032C43501	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-21	SB	REG	0	C032C43701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0	C032C43701	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0	C032C43701	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0	C032C43701	EPA 8270-M	U	ANTHRACENE	2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0	C032C43701	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.3 UG/KG	JB	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0	C032C43701	EPA 8270-M	U	BENZO(A)PYRENE	7.9 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0	C032C43701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0	C032C43701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.5 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0	C032C43701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	B		000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0	C032C43701	EPA 8270-M	U	CHRYSENE	6.8 UG/KG	B		000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0	C032C43701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0	C032C43701	EPA 8270-M	U	FLUORANTHENE	11 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0	C032C43701	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0	C032C43701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.3 UG/KG	B		000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0	C032C43701	EPA 8270-M	U	NAPHTHALENE	0.59 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0	C032C43701	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG		J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0	C032C43701	EPA 8270-M	U	PYRENE	14 UG/KG		J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0.5	C032C43801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-21	SB	REG	0.5	C032C43801	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0.5	C032C43801	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0.5	C032C43801	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0.5	C032C43801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG	JB	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0.5	C032C43801	EPA 8270-M	U	BENZO(A)PYRENE	4.6 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0.5	C032C43801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0.5	C032C43801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0.5	C032C43801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0.5	C032C43801	EPA 8270-M	U	CHRYSENE	4.6 UG/KG	JB	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0.5	C032C43801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0.5	C032C43801	EPA 8270-M	U	FLUORANTHENE	3.7 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0.5	C032C43801	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0.5	C032C43801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.4 UG/KG	JB	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0.5	C032C43801	EPA 8270-M	U	NAPHTHALENE	0.45 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0.5	C032C43801	EPA 8270-M	U	PHENANTHRENE	1.4 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	0.5	C032C43801	EPA 8270-M	U	PYRENE	5.2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	2	C032C43901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	2	C032C43901	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	2	C032C43901	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	2	C032C43901	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	2	C032C43901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	JB	UJ	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	2	C032C43901	EPA 8270-M	U	BENZO(A)PYRENE	2.7 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	2	C032C43901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	2	C032C43901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	2	C032C43901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	2	C032C43901	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	JB	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	2	C032C43901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-21	SB	REG	2	C032C43901	EPA 8270-M	U	FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	2	C032C43901	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	2	C032C43901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.7 UG/KG	JB	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	2	C032C43901	EPA 8270-M	U	NAPHTHALENE	0.38 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	2	C032C43901	EPA 8270-M	U	PHENANTHRENE	0.69 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	2	C032C43901	EPA 8270-M	U	PYRENE	2.4 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-21	SB	REG	4	C032C44001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/22/2002
32EDC-12-21	SB	REG	4	C032C44001	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/22/2002
32EDC-12-21	SB	REG	4	C032C44001	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/22/2002
32EDC-12-21	SB	REG	4	C032C44001	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/22/2002
32EDC-12-21	SB	REG	4	C032C44001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/22/2002
32EDC-12-21	SB	REG	4	C032C44001	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/22/2002
32EDC-12-21	SB	REG	4	C032C44001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/22/2002
32EDC-12-21	SB	REG	4	C032C44001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/22/2002
32EDC-12-21	SB	REG	4	C032C44001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/22/2002
32EDC-12-21	SB	REG	4	C032C44001	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/22/2002
32EDC-12-21	SB	REG	4	C032C44001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/22/2002
32EDC-12-21	SB	REG	4	C032C44001	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/22/2002
32EDC-12-21	SB	REG	4	C032C44001	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/22/2002
32EDC-12-21	SB	REG	4	C032C44001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/22/2002
32EDC-12-21	SB	REG	4	C032C44001	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/22/2002
32EDC-12-21	SB	REG	4	C032C44001	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/22/2002
32EDC-12-21	SB	REG	4	C032C44001	EPA 8270-M	U	PYRENE	0.48 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/22/2002
32EDC-12-22	SB	REG	0	C032C44101	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.33 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0	C032C44101	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0	C032C44101	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0	C032C44101	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-22	SB	REG	0	C032C44101	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0	C032C44101	EPA 8270-M	U	BENZO(A)PYRENE	2.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0	C032C44101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0	C032C44101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.1 UG/KG			000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0	C032C44101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0	C032C44101	EPA 8270-M	U	CHRYSENE	1.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0	C032C44101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.52 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0	C032C44101	EPA 8270-M	U	FLUORANTHENE	0.95 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0	C032C44101	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0	C032C44101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG			000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0	C032C44101	EPA 8270-M	U	NAPHTHALENE	0.48 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0	C032C44101	EPA 8270-M	U	PHENANTHRENE	1.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0	C032C44101	EPA 8270-M	U	PYRENE	1.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0.5	C032C44201	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.39 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0.5	C032C44201	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0.5	C032C44201	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0.5	C032C44201	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0.5	C032C44201	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0.5	C032C44201	EPA 8270-M	U	BENZO(A)PYRENE	3.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0.5	C032C44201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0.5	C032C44201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.4 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0.5	C032C44201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0.5	C032C44201	EPA 8270-M	U	CHRYSENE	1.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0.5	C032C44201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.58 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0.5	C032C44201	EPA 8270-M	U	FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0.5	C032C44201	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0.5	C032C44201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.9 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/26/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-22	SB	REG	0.5	C032C44201	EPA 8270-M	U	NAPHTHALENE	0.43 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0.5	C032C44201	EPA 8270-M	U	PHENANTHRENE	0.88 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	0.5	C032C44201	EPA 8270-M	U	PYRENE	2.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	2	C032C44301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	2	C032C44301	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	2	C032C44301	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	2	C032C44301	EPA 8270-M	U	ANTHRACENE	0.42 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	2	C032C44301	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	2	C032C44301	EPA 8270-M	U	BENZO(A)PYRENE	3.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	2	C032C44301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	2	C032C44301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.7 UG/KG			000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	2	C032C44301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	2	C032C44301	EPA 8270-M	U	CHRYSENE	2.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	2	C032C44301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.57 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	2	C032C44301	EPA 8270-M	U	FLUORANTHENE	3.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	2	C032C44301	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	2	C032C44301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG			000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	2	C032C44301	EPA 8270-M	U	NAPHTHALENE	0.37 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	2	C032C44301	EPA 8270-M	U	PHENANTHRENE	1.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	2	C032C44301	EPA 8270-M	U	PYRENE	4.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	4	C032C44401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	4	C032C44401	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	4	C032C44401	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	4	C032C44401	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	4	C032C44401	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.75 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	4	C032C44401	EPA 8270-M	U	BENZO(A)PYRENE	1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	4	C032C44401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.92 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-22	SB	REG	4	C032C44401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	4	C032C44401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.62 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	4	C032C44401	EPA 8270-M	U	CHRYSENE	0.97 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	4	C032C44401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.23 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	4	C032C44401	EPA 8270-M	U	FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	4	C032C44401	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	4	C032C44401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	4	C032C44401	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	4	C032C44401	EPA 8270-M	U	PHENANTHRENE	0.47 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-22	SB	REG	4	C032C44401	EPA 8270-M	U	PYRENE	1.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-23	SB	FD	4	C032C44701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	FD	4	C032C44701	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	FD	4	C032C44701	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	FD	4	C032C44701	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	FD	4	C032C44701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	FD	4	C032C44701	EPA 8270-M	U	BENZO(A)PYRENE	3.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	FD	4	C032C44701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	FD	4	C032C44701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	FD	4	C032C44701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	FD	4	C032C44701	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	FD	4	C032C44701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	FD	4	C032C44701	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	FD	4	C032C44701	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	FD	4	C032C44701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	FD	4	C032C44701	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	FD	4	C032C44701	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	UJ	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	FD	4	C032C44701	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-23	SB	REG	0	C032C44501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0	C032C44501	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0	C032C44501	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0	C032C44501	EPA 8270-M	U	ANTHRACENE	0.59 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0	C032C44501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0	C032C44501	EPA 8270-M	U	BENZO(A)PYRENE	7 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0	C032C44501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0	C032C44501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.6 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0	C032C44501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.1 UG/KG	B	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0	C032C44501	EPA 8270-M	U	CHRYSENE	7.4 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0	C032C44501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0	C032C44501	EPA 8270-M	U	FLUORANTHENE	7.5 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0	C032C44501	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0	C032C44501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.4 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0	C032C44501	EPA 8270-M	U	NAPHTHALENE	0.49 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0	C032C44501	EPA 8270-M	U	PHENANTHRENE	2.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0	C032C44501	EPA 8270-M	U	PYRENE	8.2 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0.5	C032C44601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0.5	C032C44601	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0.5	C032C44601	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0.5	C032C44601	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0.5	C032C44601	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0.5	C032C44601	EPA 8270-M	U	BENZO(A)PYRENE	2.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0.5	C032C44601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.81 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0.5	C032C44601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.2 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0.5	C032C44601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0.5	C032C44601	EPA 8270-M	U	CHRYSENE	0.65 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-23	SB	REG	0.5	C032C44601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0.5	C032C44601	EPA 8270-M	U	FLUORANTHENE	0.83 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0.5	C032C44601	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0.5	C032C44601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0.5	C032C44601	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0.5	C032C44601	EPA 8270-M	U	PHENANTHRENE	0.45 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	0.5	C032C44601	EPA 8270-M	U	PYRENE	1.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	2	C032C44801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	2	C032C44801	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	2	C032C44801	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	2	C032C44801	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	2	C032C44801	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	2	C032C44801	EPA 8270-M	U	BENZO(A)PYRENE	3.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	2	C032C44801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	2	C032C44801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	2	C032C44801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	2	C032C44801	EPA 8270-M	U	CHRYSENE	2.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	2	C032C44801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	2	C032C44801	EPA 8270-M	U	FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	2	C032C44801	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	2	C032C44801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	2	C032C44801	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	2	C032C44801	EPA 8270-M	U	PHENANTHRENE	0.73 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	2	C032C44801	EPA 8270-M	U	PYRENE	4.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	4	C032C44901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	4	C032C44901	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	4	C032C44901	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-23	SB	REG	4	C032C44901	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	4	C032C44901	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	4	C032C44901	EPA 8270-M	U	BENZO(A)PYRENE	1.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	4	C032C44901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	4	C032C44901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	4	C032C44901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	4	C032C44901	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	4	C032C44901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	4	C032C44901	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	4	C032C44901	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	4	C032C44901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	4	C032C44901	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	4	C032C44901	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	UJ	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-23	SB	REG	4	C032C44901	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0	C032C45001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0	C032C45001	EPA 8270-M	U	ACENAPHTHENE	6.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0	C032C45001	EPA 8270-M	U	ACENAPHTHYLENE	6.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0	C032C45001	EPA 8270-M	U	ANTHRACENE	6.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0	C032C45001	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0	C032C45001	EPA 8270-M	U	BENZO(A)PYRENE	3.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0	C032C45001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0	C032C45001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0	C032C45001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0	C032C45001	EPA 8270-M	U	CHRYSENE	3.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0	C032C45001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0	C032C45001	EPA 8270-M	U	FLUORANTHENE	6.6 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0	C032C45001	EPA 8270-M	U	FLUORENE	6.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-24	SB	REG	0	C032C45001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0	C032C45001	EPA 8270-M	U	NAPHTHALENE	6.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0	C032C45001	EPA 8270-M	U	PHENANTHRENE	3.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0	C032C45001	EPA 8270-M	U	PYRENE	10 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0.5	C032C45101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0.5	C032C45101	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0.5	C032C45101	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0.5	C032C45101	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0.5	C032C45101	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0.5	C032C45101	EPA 8270-M	U	BENZO(A)PYRENE	3.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0.5	C032C45101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0.5	C032C45101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0.5	C032C45101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0.5	C032C45101	EPA 8270-M	U	CHRYSENE	5.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0.5	C032C45101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0.5	C032C45101	EPA 8270-M	U	FLUORANTHENE	3.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0.5	C032C45101	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0.5	C032C45101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0.5	C032C45101	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0.5	C032C45101	EPA 8270-M	U	PHENANTHRENE	1.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	0.5	C032C45101	EPA 8270-M	U	PYRENE	4.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	2	C032C45201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	2	C032C45201	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	2	C032C45201	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	2	C032C45201	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	2	C032C45201	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	2	C032C45201	EPA 8270-M	U	BENZO(A)PYRENE	2.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-24	SB	REG	2	C032C45201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	2	C032C45201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	2	C032C45201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	2	C032C45201	EPA 8270-M	U	CHRYSENE	2.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	2	C032C45201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	2	C032C45201	EPA 8270-M	U	FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	2	C032C45201	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	2	C032C45201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	2	C032C45201	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	2	C032C45201	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	2	C032C45201	EPA 8270-M	U	PYRENE	3.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	4	C032C45301	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	4	C032C45301	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	4	C032C45301	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	4	C032C45301	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	4	C032C45301	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	4	C032C45301	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	4	C032C45301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	4	C032C45301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	4	C032C45301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	4	C032C45301	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	4	C032C45301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	4	C032C45301	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	4	C032C45301	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	4	C032C45301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.76 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	4	C032C45301	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-24	SB	REG	4	C032C45301	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-24	SB	REG	4	C032C45301	EPA 8270-M	U	PYRENE	2.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	FD	4	C032C45801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	FD	4	C032C45801	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	FD	4	C032C45801	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	UJ	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	FD	4	C032C45801	EPA 8270-M	U	ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	FD	4	C032C45801	EPA 8270-M	U	BENZ(A)ANTHRACENE	7.9 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	FD	4	C032C45801	EPA 8270-M	U	BENZO(A)PYRENE	11 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	FD	4	C032C45801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.9 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	FD	4	C032C45801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	9.2 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	FD	4	C032C45801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.5 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	FD	4	C032C45801	EPA 8270-M	U	CHRYSENE	8.7 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	FD	4	C032C45801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	FD	4	C032C45801	EPA 8270-M	U	FLUORANTHENE	16 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	FD	4	C032C45801	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	FD	4	C032C45801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.2 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	FD	4	C032C45801	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	FD	4	C032C45801	EPA 8270-M	U	PHENANTHRENE	6.5 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	FD	4	C032C45801	EPA 8270-M	U	PYRENE	21 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	0	C032C45401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-25	SB	REG	0	C032C45401	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-25	SB	REG	0	C032C45401	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	UJ	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-25	SB	REG	0	C032C45401	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-25	SB	REG	0	C032C45401	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-25	SB	REG	0	C032C45401	EPA 8270-M	U	BENZO(A)PYRENE	6.8 UG/KG			000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-25	SB	REG	0	C032C45401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-25	SB	REG	0	C032C45401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.4 UG/KG			000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-25	SB	REG	0	C032C45401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-25	SB	REG	0	C032C45401	EPA 8270-M	U	CHRYSENE	5.7 UG/KG			000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-25	SB	REG	0	C032C45401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-25	SB	REG	0	C032C45401	EPA 8270-M	U	FLUORANTHENE	8.8 UG/KG			000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-25	SB	REG	0	C032C45401	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-25	SB	REG	0	C032C45401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-25	SB	REG	0	C032C45401	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-25	SB	REG	0	C032C45401	EPA 8270-M	U	PHENANTHRENE	4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-25	SB	REG	0	C032C45401	EPA 8270-M	U	PYRENE	11 UG/KG			000 REG	5/22/2002	5/23/2002	5/23/2002
32EDC-12-25	SB	REG	0.5	C032C45501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	0.5	C032C45501	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	0.5	C032C45501	EPA 8270-M	U	ACENAPHTHYLENE	4.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	0.5	C032C45501	EPA 8270-M	U	ANTHRACENE	14 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	0.5	C032C45501	EPA 8270-M	U	BENZ(A)ANTHRACENE	31 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	0.5	C032C45501	EPA 8270-M	U	BENZO(A)PYRENE	39 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	0.5	C032C45501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	28 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	0.5	C032C45501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	33 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	0.5	C032C45501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	23 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	0.5	C032C45501	EPA 8270-M	U	CHRYSENE	42 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	0.5	C032C45501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.4 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	0.5	C032C45501	EPA 8270-M	U	FLUORANTHENE	64 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	0.5	C032C45501	EPA 8270-M	U	FLUORENE	2.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	0.5	C032C45501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	26 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	0.5	C032C45501	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	0.5	C032C45501	EPA 8270-M	U	PHENANTHRENE	41 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	0.5	C032C45501	EPA 8270-M	U	PYRENE	79 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	2	C032C45601	EPA 8270-M	U	2-METHYLNAPHTHALENE	7.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	2	C032C45601	EPA 8270-M	U	ACENAPHTHENE	7.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-25	SB	REG	2	C032C45601	EPA 8270-M	U	ACENAPHTHYLENE	7.2 UG/KG	U	UJ	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	2	C032C45601	EPA 8270-M	U	ANTHRACENE	2.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	2	C032C45601	EPA 8270-M	U	BENZ(A)ANTHRACENE	7.8 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	2	C032C45601	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	2	C032C45601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	10 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	2	C032C45601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	9.7 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	2	C032C45601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8.9 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	2	C032C45601	EPA 8270-M	U	CHRYSENE	8.8 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	2	C032C45601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	2	C032C45601	EPA 8270-M	U	FLUORANTHENE	18 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	2	C032C45601	EPA 8270-M	U	FLUORENE	1.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	2	C032C45601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.5 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	2	C032C45601	EPA 8270-M	U	NAPHTHALENE	7.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	2	C032C45601	EPA 8270-M	U	PHENANTHRENE	4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	2	C032C45601	EPA 8270-M	U	PYRENE	43 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	4	C032C45701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	4	C032C45701	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	4	C032C45701	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	UJ	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	4	C032C45701	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	4	C032C45701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	4	C032C45701	EPA 8270-M	U	BENZO(A)PYRENE	3.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	4	C032C45701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	4	C032C45701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	4	C032C45701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	4	C032C45701	EPA 8270-M	U	CHRYSENE	1.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	4	C032C45701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	4	C032C45701	EPA 8270-M	U	FLUORANTHENE	2.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-25	SB	REG	4	C032C45701	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	4	C032C45701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	4	C032C45701	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	4	C032C45701	EPA 8270-M	U	PHENANTHRENE	1.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-25	SB	REG	4	C032C45701	EPA 8270-M	U	PYRENE	3.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	2-METHYLNAPHTHALENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	ACENAPHTHENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	ACENAPHTHYLENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	ANTHRACENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	BENZ(A)ANTHRACENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	BENZO(A)PYRENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	34 UG/KG			000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	31 UG/KG			000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	CHRYSENE	34 UG/KG			000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	FLUORANTHENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	FLUORENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	NAPHTHALENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	PHENANTHRENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	PYRENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	2-METHYLNAPHTHALENE	54 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	ACENAPHTHENE	54 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	ACENAPHTHYLENE	54 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	ANTHRACENE	54 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	BENZ(A)ANTHRACENE	54 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	BENZO(A)PYRENE	54 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	39 UG/KG	J	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	38 UG/KG	J	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	54 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	CHRYSENE	38 UG/KG	J	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	54 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	FLUORANTHENE	54 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	FLUORENE	54 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	54 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	NAPHTHALENE	54 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	PHENANTHRENE	54 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0	C032C45901	EPA 8270-M	U	PYRENE	54 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	2-METHYLNAPHTHALENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	ACENAPHTHENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	ACENAPHTHYLENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	ANTHRACENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	BENZ(A)ANTHRACENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	BENZO(A)PYRENE	12 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	13 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	15 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	CHRYSENE	11 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	FLUORANTHENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	FLUORENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	NAPHTHALENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	PHENANTHRENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	PYRENE	27 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	2-METHYLNAPHTHALENE	53 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	ACENAPHTHENE	53 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	ACENAPHTHYLENE	53 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	ANTHRACENE	53 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	BENZ(A)ANTHRACENE	53 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	BENZO(A)PYRENE	53 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	53 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	16 UG/KG	J	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	53 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	CHRYSENE	53 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	53 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	FLUORANTHENE	53 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	FLUORENE	53 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	53 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	NAPHTHALENE	53 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	PHENANTHRENE	53 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	0.5	C032C46001	EPA 8270-M	U	PYRENE	53 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-26	SB	REG	2	C032C46101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	2	C032C46101	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	2	C032C46101	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	2	C032C46101	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	2	C032C46101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	2	C032C46101	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	2	C032C46101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	2	C032C46101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-26	SB	REG	2	C032C46101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	2	C032C46101	EPA 8270-M	U	CHRYSENE	2.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	2	C032C46101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	2	C032C46101	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	2	C032C46101	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	2	C032C46101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	2	C032C46101	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	2	C032C46101	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	2	C032C46101	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	4	C032C46201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	4	C032C46201	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	4	C032C46201	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	4	C032C46201	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	4	C032C46201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	4	C032C46201	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	4	C032C46201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	4	C032C46201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	4	C032C46201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	4	C032C46201	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	4	C032C46201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	4	C032C46201	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	4	C032C46201	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	4	C032C46201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	4	C032C46201	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	4	C032C46201	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-26	SB	REG	4	C032C46201	EPA 8270-M	U	PYRENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-27	SB	REG	0	C032C46301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-27	SB	REG	0	C032C46301	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0	C032C46301	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0	C032C46301	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0	C032C46301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0	C032C46301	EPA 8270-M	U	BENZO(A)PYRENE	2.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0	C032C46301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.4 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0	C032C46301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0	C032C46301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0	C032C46301	EPA 8270-M	U	CHRYSENE	4.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0	C032C46301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0	C032C46301	EPA 8270-M	U	FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0	C032C46301	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0	C032C46301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0	C032C46301	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0	C032C46301	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0	C032C46301	EPA 8270-M	U	PYRENE	3.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0.5	C032C46401	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0.5	C032C46401	EPA 8270-M	U	ACENAPHTHENE	6.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0.5	C032C46401	EPA 8270-M	U	ACENAPHTHYLENE	6.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0.5	C032C46401	EPA 8270-M	U	ANTHRACENE	6.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0.5	C032C46401	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0.5	C032C46401	EPA 8270-M	U	BENZO(A)PYRENE	6.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0.5	C032C46401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0.5	C032C46401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0.5	C032C46401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0.5	C032C46401	EPA 8270-M	U	CHRYSENE	6.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0.5	C032C46401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-27	SB	REG	0.5	C032C46401	EPA 8270-M	U	FLUORANTHENE	6.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0.5	C032C46401	EPA 8270-M	U	FLUORENE	6.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0.5	C032C46401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0.5	C032C46401	EPA 8270-M	U	NAPHTHALENE	6.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0.5	C032C46401	EPA 8270-M	U	PHENANTHRENE	6.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	0.5	C032C46401	EPA 8270-M	U	PYRENE	6.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	2	C032C46501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	2	C032C46501	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	2	C032C46501	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	2	C032C46501	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	2	C032C46501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	2	C032C46501	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	2	C032C46501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	2	C032C46501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	2	C032C46501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	2	C032C46501	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	2	C032C46501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	2	C032C46501	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	2	C032C46501	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	2	C032C46501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	2	C032C46501	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	2	C032C46501	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	2	C032C46501	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	4	C032C46601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	4	C032C46601	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	4	C032C46601	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	4	C032C46601	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-27	SB	REG	4	C032C46601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	4	C032C46601	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	4	C032C46601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	4	C032C46601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	4	C032C46601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	4	C032C46601	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	4	C032C46601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	4	C032C46601	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	4	C032C46601	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	4	C032C46601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	4	C032C46601	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	4	C032C46601	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-27	SB	REG	4	C032C46601	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32EDC-12-28	SB	FD	0.5	C032C46901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	FD	0.5	C032C46901	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	FD	0.5	C032C46901	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	FD	0.5	C032C46901	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	FD	0.5	C032C46901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	FD	0.5	C032C46901	EPA 8270-M	U	BENZO(A)PYRENE	0.43 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	FD	0.5	C032C46901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	FD	0.5	C032C46901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	FD	0.5	C032C46901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	FD	0.5	C032C46901	EPA 8270-M	U	CHRYSENE	0.38 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	FD	0.5	C032C46901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	FD	0.5	C032C46901	EPA 8270-M	U	FLUORANTHENE	0.31 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	FD	0.5	C032C46901	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	FD	0.5	C032C46901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-28	SB	FD	0.5	C032C46901	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	FD	0.5	C032C46901	EPA 8270-M	U	PHENANTHRENE	0.47 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	FD	0.5	C032C46901	EPA 8270-M	U	PYRENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0	C032C46701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0	C032C46701	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0	C032C46701	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0	C032C46701	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0	C032C46701	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0	C032C46701	EPA 8270-M	U	BENZO(A)PYRENE	2.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0	C032C46701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0	C032C46701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0	C032C46701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0	C032C46701	EPA 8270-M	U	CHRYSENE	3.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0	C032C46701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0	C032C46701	EPA 8270-M	U	FLUORANTHENE	4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0	C032C46701	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0	C032C46701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0	C032C46701	EPA 8270-M	U	NAPHTHALENE	0.35 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0	C032C46701	EPA 8270-M	U	PHENANTHRENE	2.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0	C032C46701	EPA 8270-M	U	PYRENE	4.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0.5	C032C46801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0.5	C032C46801	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0.5	C032C46801	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0.5	C032C46801	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0.5	C032C46801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0.5	C032C46801	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0.5	C032C46801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-28	SB	REG	0.5	C032C46801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0.5	C032C46801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0.5	C032C46801	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0.5	C032C46801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0.5	C032C46801	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0.5	C032C46801	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0.5	C032C46801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0.5	C032C46801	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0.5	C032C46801	EPA 8270-M	U	PHENANTHRENE	0.46 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	0.5	C032C46801	EPA 8270-M	U	PYRENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-28	SB	REG	2	C032C47001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	2	C032C47001	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	2	C032C47001	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	2	C032C47001	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	2	C032C47001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	2	C032C47001	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	2	C032C47001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	2	C032C47001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	2	C032C47001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	2	C032C47001	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	2	C032C47001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	2	C032C47001	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	2	C032C47001	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	2	C032C47001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	2	C032C47001	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	2	C032C47001	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	2	C032C47001	EPA 8270-M	U	PYRENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-28	SB	REG	4	C032C47101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	4	C032C47101	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	4	C032C47101	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	4	C032C47101	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	4	C032C47101	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.46 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	4	C032C47101	EPA 8270-M	U	BENZO(A)PYRENE	0.59 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	4	C032C47101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	4	C032C47101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.57 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	4	C032C47101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.56 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	4	C032C47101	EPA 8270-M	U	CHRYSENE	0.44 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	4	C032C47101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.32 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	4	C032C47101	EPA 8270-M	U	FLUORANTHENE	0.61 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	4	C032C47101	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	4	C032C47101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.67 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	4	C032C47101	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	4	C032C47101	EPA 8270-M	U	PHENANTHRENE	0.48 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-28	SB	REG	4	C032C47101	EPA 8270-M	U	PYRENE	0.69 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	ACENAPHTHENE	28 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	ACENAPHTHYLENE	21 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	ANTHRACENE	36 UG/KG			000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	BENZ(A)ANTHRACENE	77 UG/KG			000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	BENZO(A)PYRENE	58 UG/KG			000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	210 UG/KG			000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	44 UG/KG			000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	97 UG/KG			000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	CHRYSENE	350 UG/KG			000 REG	5/20/2002	5/21/2002	6/4/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	11 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	FLUORANTHENE	560 UG/KG			000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	FLUORENE	16 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	17 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	NAPHTHALENE	28 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	PHENANTHRENE	110 UG/KG			000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	PYRENE	500 UG/KG			000 REG	5/20/2002	5/21/2002	6/4/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	2-METHYLNAPHTHALENE	56 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	ACENAPHTHENE	56 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	ACENAPHTHYLENE	19 UG/KG	J	R	DL1 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	ANTHRACENE	40 UG/KG	J	R	DL1 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	BENZ(A)ANTHRACENE	81 UG/KG		R	DL1 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	BENZO(A)PYRENE	61 UG/KG		R	DL1 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	190 UG/KG		R	DL1 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	53 UG/KG	J	R	DL1 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	140 UG/KG		R	DL1 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	CHRYSENE	370 UG/KG		R	DL1 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	19 UG/KG	J	R	DL1 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	FLUORANTHENE	630 UG/KG		R	DL1 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	FLUORENE	17 UG/KG	J	R	DL1 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	30 UG/KG	J	R	DL1 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	NAPHTHALENE	56 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	PHENANTHRENE	56 UG/KG	U	R	DL1 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0	C032C47201	EPA 8270-M	U	PYRENE	530 UG/KG		R	DL1 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0.5	C032C47301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0.5	C032C47301	EPA 8270-M	U	ACENAPHTHENE	1.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0.5	C032C47301	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-29	SB	REG	0.5	C032C47301	EPA 8270-M	U	ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0.5	C032C47301	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.8 UG/KG			000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0.5	C032C47301	EPA 8270-M	U	BENZO(A)PYRENE	6.9 UG/KG			000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0.5	C032C47301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	11 UG/KG			000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0.5	C032C47301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG			000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0.5	C032C47301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8.1 UG/KG			000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0.5	C032C47301	EPA 8270-M	U	CHRYSENE	21 UG/KG			000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0.5	C032C47301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0.5	C032C47301	EPA 8270-M	U	FLUORANTHENE	31 UG/KG			000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0.5	C032C47301	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0.5	C032C47301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0.5	C032C47301	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0.5	C032C47301	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	0.5	C032C47301	EPA 8270-M	U	PYRENE	34 UG/KG			000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	2	C032C47401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	2	C032C47401	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	2	C032C47401	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	2	C032C47401	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	2	C032C47401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	2	C032C47401	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	2	C032C47401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	2	C032C47401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	2	C032C47401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	2	C032C47401	EPA 8270-M	U	CHRYSENE	1.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	2	C032C47401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	2	C032C47401	EPA 8270-M	U	FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	2	C032C47401	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-29	SB	REG	2	C032C47401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	2	C032C47401	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	2	C032C47401	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	2	C032C47401	EPA 8270-M	U	PYRENE	2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	4	C032C47501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	4	C032C47501	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	4	C032C47501	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	4	C032C47501	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	4	C032C47501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	4	C032C47501	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	4	C032C47501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	4	C032C47501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	4	C032C47501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	4	C032C47501	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	4	C032C47501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	4	C032C47501	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	4	C032C47501	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	4	C032C47501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	4	C032C47501	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	4	C032C47501	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-29	SB	REG	4	C032C47501	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32EDC-12-3	SB	FD	0.5	C032C35901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	FD	0.5	C032C35901	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	FD	0.5	C032C35901	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	FD	0.5	C032C35901	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	FD	0.5	C032C35901	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	FD	0.5	C032C35901	EPA 8270-M	U	BENZO(A)PYRENE	2.2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-3	SB	FD	0.5	C032C35901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	FD	0.5	C032C35901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.9 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	FD	0.5	C032C35901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	FD	0.5	C032C35901	EPA 8270-M	U	CHRYSENE	3.2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	FD	0.5	C032C35901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.82 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	FD	0.5	C032C35901	EPA 8270-M	U	FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	FD	0.5	C032C35901	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	FD	0.5	C032C35901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	FD	0.5	C032C35901	EPA 8270-M	U	NAPHTHALENE	0.34 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	FD	0.5	C032C35901	EPA 8270-M	U	PHENANTHRENE	1.6 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	FD	0.5	C032C35901	EPA 8270-M	U	PYRENE	2.1 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0	C032C35701	EPA 8270-M	U	2-METHYLNAPHTHALENE	110 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0	C032C35701	EPA 8270-M	U	ACENAPHTHENE	110 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0	C032C35701	EPA 8270-M	U	ACENAPHTHYLENE	110 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0	C032C35701	EPA 8270-M	U	ANTHRACENE	110 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0	C032C35701	EPA 8270-M	U	BENZ(A)ANTHRACENE	110 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0	C032C35701	EPA 8270-M	U	BENZO(A)PYRENE	15 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0	C032C35701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	11 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0	C032C35701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	48 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0	C032C35701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8.4 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0	C032C35701	EPA 8270-M	U	CHRYSENE	13 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0	C032C35701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	8.7 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0	C032C35701	EPA 8270-M	U	FLUORANTHENE	110 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0	C032C35701	EPA 8270-M	U	FLUORENE	110 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0	C032C35701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	110 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0	C032C35701	EPA 8270-M	U	NAPHTHALENE	110 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0	C032C35701	EPA 8270-M	U	PHENANTHRENE	110 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-3	SB	REG	0	C032C35701	EPA 8270-M	U	PYRENE	110 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0.5	C032C35801	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.58 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0.5	C032C35801	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0.5	C032C35801	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0.5	C032C35801	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0.5	C032C35801	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.6 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0.5	C032C35801	EPA 8270-M	U	BENZO(A)PYRENE	3.2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0.5	C032C35801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.5 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0.5	C032C35801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0.5	C032C35801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0.5	C032C35801	EPA 8270-M	U	CHRYSENE	4.8 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0.5	C032C35801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0.5	C032C35801	EPA 8270-M	U	FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0.5	C032C35801	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0.5	C032C35801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0.5	C032C35801	EPA 8270-M	U	NAPHTHALENE	0.44 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0.5	C032C35801	EPA 8270-M	U	PHENANTHRENE	2.6 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	0.5	C032C35801	EPA 8270-M	U	PYRENE	2.2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	2	C032C36001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	2	C032C36001	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	2	C032C36001	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	2	C032C36001	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	2	C032C36001	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.39 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	2	C032C36001	EPA 8270-M	U	BENZO(A)PYRENE	1.8 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	2	C032C36001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	2	C032C36001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.9 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	2	C032C36001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-3	SB	REG	2	C032C36001	EPA 8270-M	U	CHRYSENE	3.1 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	2	C032C36001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	2	C032C36001	EPA 8270-M	U	FLUORANTHENE	0.58 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	2	C032C36001	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	2	C032C36001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	2	C032C36001	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	2	C032C36001	EPA 8270-M	U	PHENANTHRENE	1.4 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	2	C032C36001	EPA 8270-M	U	PYRENE	1.3 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	4	C032C36101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	4	C032C36101	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	4	C032C36101	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	4	C032C36101	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	4	C032C36101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	4	C032C36101	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	4	C032C36101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	4	C032C36101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	4	C032C36101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	4	C032C36101	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	4	C032C36101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	4	C032C36101	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	4	C032C36101	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	4	C032C36101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	4	C032C36101	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	4	C032C36101	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-3	SB	REG	4	C032C36101	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-30	SB	FD	4	C032C48001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	FD	4	C032C48001	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-30	SB	FD	4	C032C48001	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	FD	4	C032C48001	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	FD	4	C032C48001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	FD	4	C032C48001	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	FD	4	C032C48001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	FD	4	C032C48001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	FD	4	C032C48001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	FD	4	C032C48001	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	FD	4	C032C48001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	FD	4	C032C48001	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	FD	4	C032C48001	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	FD	4	C032C48001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	FD	4	C032C48001	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	FD	4	C032C48001	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	FD	4	C032C48001	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	0	C032C47601	EPA 8270-M	U	2-METHYLNAPHTHALENE	13 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-30	SB	REG	0	C032C47601	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-30	SB	REG	0	C032C47601	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-30	SB	REG	0	C032C47601	EPA 8270-M	U	ANTHRACENE	10 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-30	SB	REG	0	C032C47601	EPA 8270-M	U	BENZ(A)ANTHRACENE	61 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-30	SB	REG	0	C032C47601	EPA 8270-M	U	BENZO(A)PYRENE	48 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-30	SB	REG	0	C032C47601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	120 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-30	SB	REG	0	C032C47601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	82 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-30	SB	REG	0	C032C47601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-30	SB	REG	0	C032C47601	EPA 8270-M	U	CHRYSENE	290 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-30	SB	REG	0	C032C47601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	42 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-30	SB	REG	0	C032C47601	EPA 8270-M	U	FLUORANTHENE	42 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-30	SB	REG	0	C032C47601	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-30	SB	REG	0	C032C47601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.9 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-30	SB	REG	0	C032C47601	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-30	SB	REG	0	C032C47601	EPA 8270-M	U	PHENANTHRENE	590 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-30	SB	REG	0	C032C47601	EPA 8270-M	U	PYRENE	150 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32EDC-12-30	SB	REG	0.5	C032C47701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	0.5	C032C47701	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	0.5	C032C47701	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	0.5	C032C47701	EPA 8270-M	U	ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	0.5	C032C47701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	0.5	C032C47701	EPA 8270-M	U	BENZO(A)PYRENE	5.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	0.5	C032C47701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	0.5	C032C47701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	0.5	C032C47701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	0.5	C032C47701	EPA 8270-M	U	CHRYSENE	5.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	0.5	C032C47701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	0.5	C032C47701	EPA 8270-M	U	FLUORANTHENE	5.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	0.5	C032C47701	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	0.5	C032C47701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	0.5	C032C47701	EPA 8270-M	U	NAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	0.5	C032C47701	EPA 8270-M	U	PHENANTHRENE	5.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	0.5	C032C47701	EPA 8270-M	U	PYRENE	5.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	2	C032C47801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	2	C032C47801	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	2	C032C47801	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	2	C032C47801	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	2	C032C47801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-30	SB	REG	2	C032C47801	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	2	C032C47801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	2	C032C47801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	2	C032C47801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	2	C032C47801	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	2	C032C47801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	2	C032C47801	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	2	C032C47801	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	2	C032C47801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	2	C032C47801	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	2	C032C47801	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	2	C032C47801	EPA 8270-M	U	PYRENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	4	C032C47901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	4	C032C47901	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	4	C032C47901	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	4	C032C47901	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	4	C032C47901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	4	C032C47901	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	4	C032C47901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	4	C032C47901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	4	C032C47901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	4	C032C47901	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	4	C032C47901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	4	C032C47901	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	4	C032C47901	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	4	C032C47901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	4	C032C47901	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-30	SB	REG	4	C032C47901	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-30	SB	REG	4	C032C47901	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	0	C032C48101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/29/2002
32EDC-12-31	SB	REG	0	C032C48101	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/29/2002
32EDC-12-31	SB	REG	0	C032C48101	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/29/2002
32EDC-12-31	SB	REG	0	C032C48101	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/29/2002
32EDC-12-31	SB	REG	0	C032C48101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/29/2002
32EDC-12-31	SB	REG	0	C032C48101	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/29/2002
32EDC-12-31	SB	REG	0	C032C48101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/29/2002
32EDC-12-31	SB	REG	0	C032C48101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/29/2002
32EDC-12-31	SB	REG	0	C032C48101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/29/2002
32EDC-12-31	SB	REG	0	C032C48101	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/29/2002
32EDC-12-31	SB	REG	0	C032C48101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/29/2002
32EDC-12-31	SB	REG	0	C032C48101	EPA 8270-M	U	FLUORANTHENE	0.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/29/2002
32EDC-12-31	SB	REG	0	C032C48101	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/29/2002
32EDC-12-31	SB	REG	0	C032C48101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/29/2002
32EDC-12-31	SB	REG	0	C032C48101	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/29/2002
32EDC-12-31	SB	REG	0	C032C48101	EPA 8270-M	U	PHENANTHRENE	0.39 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/29/2002
32EDC-12-31	SB	REG	0	C032C48101	EPA 8270-M	U	PYRENE	0.84 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/29/2002
32EDC-12-31	SB	REG	0.5	C032C48201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	0.5	C032C48201	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	0.5	C032C48201	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	0.5	C032C48201	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	0.5	C032C48201	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.46 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	0.5	C032C48201	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	0.5	C032C48201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	0.5	C032C48201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-31	SB	REG	0.5	C032C48201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	0.5	C032C48201	EPA 8270-M	U	CHRYSENE	7.3 UG/KG		J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	0.5	C032C48201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	0.5	C032C48201	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	0.5	C032C48201	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	0.5	C032C48201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	0.5	C032C48201	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	0.5	C032C48201	EPA 8270-M	U	PHENANTHRENE	0.45 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	0.5	C032C48201	EPA 8270-M	U	PYRENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	2	C032C48301	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.39 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	2	C032C48301	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	2	C032C48301	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	2	C032C48301	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	2	C032C48301	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.61 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	2	C032C48301	EPA 8270-M	U	BENZO(A)PYRENE	1.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	2	C032C48301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.71 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	2	C032C48301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	2	C032C48301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.64 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	2	C032C48301	EPA 8270-M	U	CHRYSENE	2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	2	C032C48301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.93 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	2	C032C48301	EPA 8270-M	U	FLUORANTHENE	0.97 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	2	C032C48301	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	2	C032C48301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	2	C032C48301	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	2	C032C48301	EPA 8270-M	U	PHENANTHRENE	0.73 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	2	C032C48301	EPA 8270-M	U	PYRENE	1.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	4	C032C48401	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-31	SB	REG	4	C032C48401	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	4	C032C48401	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	4	C032C48401	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	4	C032C48401	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	4	C032C48401	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	4	C032C48401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	4	C032C48401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.72 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	4	C032C48401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.35 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	4	C032C48401	EPA 8270-M	U	CHRYSENE	0.52 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	4	C032C48401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	4	C032C48401	EPA 8270-M	U	FLUORANTHENE	0.87 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	4	C032C48401	EPA 8270-M	U	FLUORENE	6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	4	C032C48401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.76 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	4	C032C48401	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	4	C032C48401	EPA 8270-M	U	PHENANTHRENE	0.56 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-31	SB	REG	4	C032C48401	EPA 8270-M	U	PYRENE	0.86 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32EDC-12-32	SB	REG	0	C032C48501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0	C032C48501	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0	C032C48501	EPA 8270-M	U	ACENAPHTHYLENE	2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0	C032C48501	EPA 8270-M	U	ANTHRACENE	2.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0	C032C48501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0	C032C48501	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0	C032C48501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	33 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0	C032C48501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	67 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0	C032C48501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0	C032C48501	EPA 8270-M	U	CHRYSENE	59 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0	C032C48501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	19 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-32	SB	REG	0	C032C48501	EPA 8270-M	U	FLUORANTHENE	8.5 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0	C032C48501	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0	C032C48501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	23 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0	C032C48501	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0	C032C48501	EPA 8270-M	U	PHENANTHRENE	6.9 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0	C032C48501	EPA 8270-M	U	PYRENE	20 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0.5	C032C48601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0.5	C032C48601	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0.5	C032C48601	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0.5	C032C48601	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0.5	C032C48601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0.5	C032C48601	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0.5	C032C48601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0.5	C032C48601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0.5	C032C48601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0.5	C032C48601	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0.5	C032C48601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0.5	C032C48601	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0.5	C032C48601	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0.5	C032C48601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0.5	C032C48601	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0.5	C032C48601	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	0.5	C032C48601	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	2	C032C48701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	2	C032C48701	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	2	C032C48701	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	2	C032C48701	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-32	SB	REG	2	C032C48701	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	2	C032C48701	EPA 8270-M	U	BENZO(A)PYRENE	4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	2	C032C48701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	2	C032C48701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	2	C032C48701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	2	C032C48701	EPA 8270-M	U	CHRYSENE	3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	2	C032C48701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	2	C032C48701	EPA 8270-M	U	FLUORANTHENE	4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	2	C032C48701	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	2	C032C48701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	2	C032C48701	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	2	C032C48701	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	2	C032C48701	EPA 8270-M	U	PYRENE	5.6 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	4	C032C48801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	4	C032C48801	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	4	C032C48801	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	4	C032C48801	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	4	C032C48801	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	4	C032C48801	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	4	C032C48801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	4	C032C48801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	4	C032C48801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	4	C032C48801	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	4	C032C48801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	4	C032C48801	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	4	C032C48801	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	4	C032C48801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-32	SB	REG	4	C032C48801	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	4	C032C48801	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-32	SB	REG	4	C032C48801	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-33	SB	FD	0.5	C032C49101	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	FD	0.5	C032C49101	EPA 8270-M	U	ACENAPHTHENE	4.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	FD	0.5	C032C49101	EPA 8270-M	U	ACENAPHTHYLENE	2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	FD	0.5	C032C49101	EPA 8270-M	U	ANTHRACENE	20 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	FD	0.5	C032C49101	EPA 8270-M	U	BENZ(A)ANTHRACENE	63 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	FD	0.5	C032C49101	EPA 8270-M	U	BENZO(A)PYRENE	65 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	FD	0.5	C032C49101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	55 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	FD	0.5	C032C49101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	38 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	FD	0.5	C032C49101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	48 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	FD	0.5	C032C49101	EPA 8270-M	U	CHRYSENE	100 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	FD	0.5	C032C49101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	21 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	FD	0.5	C032C49101	EPA 8270-M	U	FLUORANTHENE	110 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	FD	0.5	C032C49101	EPA 8270-M	U	FLUORENE	4.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	FD	0.5	C032C49101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	37 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	FD	0.5	C032C49101	EPA 8270-M	U	NAPHTHALENE	1.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	FD	0.5	C032C49101	EPA 8270-M	U	PHENANTHRENE	56 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	FD	0.5	C032C49101	EPA 8270-M	U	PYRENE	99 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	REG	0	C032C48901	EPA 8270-M	U	2-METHYLNAPHTHALENE	1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0	C032C48901	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0	C032C48901	EPA 8270-M	U	ACENAPHTHYLENE	2.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0	C032C48901	EPA 8270-M	U	ANTHRACENE	3.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0	C032C48901	EPA 8270-M	U	BENZ(A)ANTHRACENE	25 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0	C032C48901	EPA 8270-M	U	BENZO(A)PYRENE	44 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0	C032C48901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	32 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-33	SB	REG	0	C032C48901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	64 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0	C032C48901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	35 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0	C032C48901	EPA 8270-M	U	CHRYSENE	28 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0	C032C48901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	8.9 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0	C032C48901	EPA 8270-M	U	FLUORANTHENE	38 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0	C032C48901	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0	C032C48901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	53 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0	C032C48901	EPA 8270-M	U	NAPHTHALENE	2.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0	C032C48901	EPA 8270-M	U	PHENANTHRENE	13 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0	C032C48901	EPA 8270-M	U	PYRENE	53 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0.5	C032C49001	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0.5	C032C49001	EPA 8270-M	U	ACENAPHTHENE	1.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0.5	C032C49001	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0.5	C032C49001	EPA 8270-M	U	ANTHRACENE	6 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0.5	C032C49001	EPA 8270-M	U	BENZ(A)ANTHRACENE	36 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0.5	C032C49001	EPA 8270-M	U	BENZO(A)PYRENE	28 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0.5	C032C49001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	26 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0.5	C032C49001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	26 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0.5	C032C49001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	27 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0.5	C032C49001	EPA 8270-M	U	CHRYSENE	45 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0.5	C032C49001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	14 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0.5	C032C49001	EPA 8270-M	U	FLUORANTHENE	43 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0.5	C032C49001	EPA 8270-M	U	FLUORENE	1.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0.5	C032C49001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	18 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0.5	C032C49001	EPA 8270-M	U	NAPHTHALENE	0.79 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0.5	C032C49001	EPA 8270-M	U	PHENANTHRENE	16 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32EDC-12-33	SB	REG	0.5	C032C49001	EPA 8270-M	U	PYRENE	49 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-33	SB	REG	2	C032C49201	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.87 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/31/2002
32EDC-12-33	SB	REG	2	C032C49201	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/31/2002
32EDC-12-33	SB	REG	2	C032C49201	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/31/2002
32EDC-12-33	SB	REG	2	C032C49201	EPA 8270-M	U	ANTHRACENE	1.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/31/2002
32EDC-12-33	SB	REG	2	C032C49201	EPA 8270-M	U	BENZ(A)ANTHRACENE	12 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/31/2002
32EDC-12-33	SB	REG	2	C032C49201	EPA 8270-M	U	BENZO(A)PYRENE	19 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/31/2002
32EDC-12-33	SB	REG	2	C032C49201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	30 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/31/2002
32EDC-12-33	SB	REG	2	C032C49201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	14 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/31/2002
32EDC-12-33	SB	REG	2	C032C49201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	15 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/31/2002
32EDC-12-33	SB	REG	2	C032C49201	EPA 8270-M	U	CHRYSENE	38 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/31/2002
32EDC-12-33	SB	REG	2	C032C49201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/31/2002
32EDC-12-33	SB	REG	2	C032C49201	EPA 8270-M	U	FLUORANTHENE	18 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/31/2002
32EDC-12-33	SB	REG	2	C032C49201	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/31/2002
32EDC-12-33	SB	REG	2	C032C49201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.7 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/31/2002
32EDC-12-33	SB	REG	2	C032C49201	EPA 8270-M	U	NAPHTHALENE	0.96 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/31/2002
32EDC-12-33	SB	REG	2	C032C49201	EPA 8270-M	U	PHENANTHRENE	6 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/31/2002
32EDC-12-33	SB	REG	2	C032C49201	EPA 8270-M	U	PYRENE	30 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/31/2002
32EDC-12-33	SB	REG	4	C032C49301	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.49 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	REG	4	C032C49301	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	REG	4	C032C49301	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	REG	4	C032C49301	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	REG	4	C032C49301	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	REG	4	C032C49301	EPA 8270-M	U	BENZO(A)PYRENE	4.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	REG	4	C032C49301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	REG	4	C032C49301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	REG	4	C032C49301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	REG	4	C032C49301	EPA 8270-M	U	CHRYSENE	1.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-33	SB	REG	4	C032C49301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	REG	4	C032C49301	EPA 8270-M	U	FLUORANTHENE	0.48 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	REG	4	C032C49301	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	REG	4	C032C49301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	REG	4	C032C49301	EPA 8270-M	U	NAPHTHALENE	0.93 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	REG	4	C032C49301	EPA 8270-M	U	PHENANTHRENE	0.45 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-33	SB	REG	4	C032C49301	EPA 8270-M	U	PYRENE	3.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/28/2002
32EDC-12-34	SB	REG	0	C032C49401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0	C032C49401	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0	C032C49401	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0	C032C49401	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0	C032C49401	EPA 8270-M	U	BENZ(A)ANTHRACENE	27 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0	C032C49401	EPA 8270-M	U	BENZO(A)PYRENE	38 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0	C032C49401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	26 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0	C032C49401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	18 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0	C032C49401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	36 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0	C032C49401	EPA 8270-M	U	CHRYSENE	33 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0	C032C49401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0	C032C49401	EPA 8270-M	U	FLUORANTHENE	8.2 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0	C032C49401	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0	C032C49401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	22 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0	C032C49401	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0	C032C49401	EPA 8270-M	U	PHENANTHRENE	3.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0	C032C49401	EPA 8270-M	U	PYRENE	12 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0.5	C032C49501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0.5	C032C49501	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0.5	C032C49501	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002

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Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-34	SB	REG	0.5	C032C49501	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0.5	C032C49501	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0.5	C032C49501	EPA 8270-M	U	BENZO(A)PYRENE	3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0.5	C032C49501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0.5	C032C49501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0.5	C032C49501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0.5	C032C49501	EPA 8270-M	U	CHRYSENE	4.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0.5	C032C49501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0.5	C032C49501	EPA 8270-M	U	FLUORANTHENE	4.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0.5	C032C49501	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0.5	C032C49501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0.5	C032C49501	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0.5	C032C49501	EPA 8270-M	U	PHENANTHRENE	3.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	0.5	C032C49501	EPA 8270-M	U	PYRENE	4.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	2	C032C49601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	2	C032C49601	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	2	C032C49601	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	2	C032C49601	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	2	C032C49601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	2	C032C49601	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	2	C032C49601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	2	C032C49601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	2	C032C49601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	2	C032C49601	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	2	C032C49601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	2	C032C49601	EPA 8270-M	U	FLUORANTHENE	2.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	2	C032C49601	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-34	SB	REG	2	C032C49601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	2	C032C49601	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	2	C032C49601	EPA 8270-M	U	PHENANTHRENE	3.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	2	C032C49601	EPA 8270-M	U	PYRENE	3.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	4	C032C49701	EPA 8270-M	U	2-METHYLNAPHTHALENE	530 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	4	C032C49701	EPA 8270-M	U	ACENAPHTHENE	180 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	4	C032C49701	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	4	C032C49701	EPA 8270-M	U	ANTHRACENE	97 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	4	C032C49701	EPA 8270-M	U	BENZ(A)ANTHRACENE	180 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	4	C032C49701	EPA 8270-M	U	BENZO(A)PYRENE	74 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	4	C032C49701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	180 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	4	C032C49701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	46 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	4	C032C49701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	62 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	4	C032C49701	EPA 8270-M	U	CHRYSENE	200 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	4	C032C49701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	17 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	4	C032C49701	EPA 8270-M	U	FLUORANTHENE	510 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	4	C032C49701	EPA 8270-M	U	FLUORENE	420 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	4	C032C49701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	59 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	4	C032C49701	EPA 8270-M	U	NAPHTHALENE	200 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	4	C032C49701	EPA 8270-M	U	PHENANTHRENE	930 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-34	SB	REG	4	C032C49701	EPA 8270-M	U	PYRENE	490 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG		J	000 REG	5/17/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	24 UG/KG		R	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	64 UG/KG		R	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	R	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	CHRYSENE	39 UG/KG		R	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	14 UG/KG		J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	FLUORANTHENE	4.1 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.5 UG/KG		R	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	PHENANTHRENE	3.5 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	PYRENE	11 UG/KG		J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	2-METHYLNAPHTHALENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	ACENAPHTHENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	ACENAPHTHYLENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	ANTHRACENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	BENZ(A)ANTHRACENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	BENZO(A)PYRENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	20 UG/KG	JD	J	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	73 UG/KG	D		DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	54 UG/KG	U	U	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	CHRYSENE	38 UG/KG	JD	J	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	FLUORANTHENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	FLUORENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.2 UG/KG	JD	J	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	NAPHTHALENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	PHENANTHRENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-4	SB	REG	0	C032C36201	EPA 8270-M	U	PYRENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0.5	C032C36301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0.5	C032C36301	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0.5	C032C36301	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0.5	C032C36301	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0.5	C032C36301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0.5	C032C36301	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0.5	C032C36301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0.5	C032C36301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.3 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0.5	C032C36301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0.5	C032C36301	EPA 8270-M	U	CHRYSENE	2.6 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0.5	C032C36301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0.5	C032C36301	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0.5	C032C36301	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0.5	C032C36301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.89 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0.5	C032C36301	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0.5	C032C36301	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	0.5	C032C36301	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	2	C032C36401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	2	C032C36401	EPA 8270-M	U	ACENAPHTHENE	2.6 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	2	C032C36401	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	2	C032C36401	EPA 8270-M	U	ANTHRACENE	3.9 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	2	C032C36401	EPA 8270-M	U	BENZ(A)ANTHRACENE	12 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	2	C032C36401	EPA 8270-M	U	BENZO(A)PYRENE	12 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	2	C032C36401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.7 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	2	C032C36401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.9 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	2	C032C36401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9.8 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-4	SB	REG	2	C032C36401	EPA 8270-M	U	CHRYSENE	17 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	2	C032C36401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	2	C032C36401	EPA 8270-M	U	FLUORANTHENE	27 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	2	C032C36401	EPA 8270-M	U	FLUORENE	1.4 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	2	C032C36401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.3 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	2	C032C36401	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	2	C032C36401	EPA 8270-M	U	PHENANTHRENE	19 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	2	C032C36401	EPA 8270-M	U	PYRENE	28 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	4	C032C36501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	4	C032C36501	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	4	C032C36501	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	4	C032C36501	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	4	C032C36501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	4	C032C36501	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	4	C032C36501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	4	C032C36501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	4	C032C36501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	4	C032C36501	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	4	C032C36501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	4	C032C36501	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	4	C032C36501	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	4	C032C36501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	4	C032C36501	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	4	C032C36501	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-4	SB	REG	4	C032C36501	EPA 8270-M	U	PYRENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	FD	4	C032C37001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	FD	4	C032C37001	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-5	SB	FD	4	C032C37001	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	FD	4	C032C37001	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	FD	4	C032C37001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	FD	4	C032C37001	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	FD	4	C032C37001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	FD	4	C032C37001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	FD	4	C032C37001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	FD	4	C032C37001	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	FD	4	C032C37001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	FD	4	C032C37001	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	FD	4	C032C37001	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	FD	4	C032C37001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	FD	4	C032C37001	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	FD	4	C032C37001	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	FD	4	C032C37001	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0	C032C36601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0	C032C36601	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0	C032C36601	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0	C032C36601	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0	C032C36601	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0	C032C36601	EPA 8270-M	U	BENZO(A)PYRENE	3.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0	C032C36601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0	C032C36601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.3 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0	C032C36601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0	C032C36601	EPA 8270-M	U	CHRYSENE	3.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0	C032C36601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0	C032C36601	EPA 8270-M	U	FLUORANTHENE	3.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-5	SB	REG	0	C032C36601	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0	C032C36601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0	C032C36601	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0	C032C36601	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0	C032C36601	EPA 8270-M	U	PYRENE	5.9 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0.5	C032C36701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0.5	C032C36701	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0.5	C032C36701	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0.5	C032C36701	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0.5	C032C36701	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0.5	C032C36701	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0.5	C032C36701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0.5	C032C36701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0.5	C032C36701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0.5	C032C36701	EPA 8270-M	U	CHRYSENE	8.6 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0.5	C032C36701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0.5	C032C36701	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0.5	C032C36701	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0.5	C032C36701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0.5	C032C36701	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0.5	C032C36701	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	0.5	C032C36701	EPA 8270-M	U	PYRENE	2.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	2	C032C36801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	2	C032C36801	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	2	C032C36801	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	2	C032C36801	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	2	C032C36801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-5	SB	REG	2	C032C36801	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	2	C032C36801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	2	C032C36801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	2	C032C36801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	2	C032C36801	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	2	C032C36801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	2	C032C36801	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	2	C032C36801	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	2	C032C36801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	2	C032C36801	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	2	C032C36801	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	2	C032C36801	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	4	C032C36901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	4	C032C36901	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	4	C032C36901	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	4	C032C36901	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	4	C032C36901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	4	C032C36901	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	4	C032C36901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	4	C032C36901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	4	C032C36901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	4	C032C36901	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	4	C032C36901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	4	C032C36901	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	4	C032C36901	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	4	C032C36901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	4	C032C36901	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-5	SB	REG	4	C032C36901	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-5	SB	REG	4	C032C36901	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32EDC-12-6	SB	REG	0	C032C37101	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.82 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0	C032C37101	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0	C032C37101	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0	C032C37101	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0	C032C37101	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0	C032C37101	EPA 8270-M	U	BENZO(A)PYRENE	2.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0	C032C37101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0	C032C37101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0	C032C37101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0	C032C37101	EPA 8270-M	U	CHRYSENE	2.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0	C032C37101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.74 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0	C032C37101	EPA 8270-M	U	FLUORANTHENE	2.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0	C032C37101	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0	C032C37101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0	C032C37101	EPA 8270-M	U	NAPHTHALENE	0.58 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0	C032C37101	EPA 8270-M	U	PHENANTHRENE	1.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0	C032C37101	EPA 8270-M	U	PYRENE	3.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0.5	C032C37201	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0.5	C032C37201	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0.5	C032C37201	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0.5	C032C37201	EPA 8270-M	U	ANTHRACENE	1.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0.5	C032C37201	EPA 8270-M	U	BENZ(A)ANTHRACENE	9.7 UG/KG			000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0.5	C032C37201	EPA 8270-M	U	BENZO(A)PYRENE	11 UG/KG			000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0.5	C032C37201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	11 UG/KG			000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0.5	C032C37201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	12 UG/KG			000 REG	5/21/2002	5/22/2002	5/26/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-6	SB	REG	0.5	C032C37201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8.2 UG/KG			000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0.5	C032C37201	EPA 8270-M	U	CHRYSENE	10 UG/KG			000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0.5	C032C37201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0.5	C032C37201	EPA 8270-M	U	FLUORANTHENE	12 UG/KG			000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0.5	C032C37201	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0.5	C032C37201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	13 UG/KG			000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0.5	C032C37201	EPA 8270-M	U	NAPHTHALENE	1.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0.5	C032C37201	EPA 8270-M	U	PHENANTHRENE	6.9 UG/KG			000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	0.5	C032C37201	EPA 8270-M	U	PYRENE	14 UG/KG			000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	2	C032C37301	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	2	C032C37301	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	2	C032C37301	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	2	C032C37301	EPA 8270-M	U	ANTHRACENE	0.66 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	2	C032C37301	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	2	C032C37301	EPA 8270-M	U	BENZO(A)PYRENE	4.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	2	C032C37301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	2	C032C37301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.4 UG/KG			000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	2	C032C37301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	2	C032C37301	EPA 8270-M	U	CHRYSENE	4.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	2	C032C37301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	2	C032C37301	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	2	C032C37301	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	2	C032C37301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG			000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	2	C032C37301	EPA 8270-M	U	NAPHTHALENE	0.96 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	2	C032C37301	EPA 8270-M	U	PHENANTHRENE	4.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	2	C032C37301	EPA 8270-M	U	PYRENE	6.4 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-6	SB	REG	4	C032C37401	EPA 8270-M	U	2-METHYLNAPHTHALENE	15 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-6	SB	REG	4	C032C37401	EPA 8270-M	U	ACENAPHTHENE	2.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-12-6	SB	REG	4	C032C37401	EPA 8270-M	U	ACENAPHTHYLENE	1.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-12-6	SB	REG	4	C032C37401	EPA 8270-M	U	ANTHRACENE	7.4 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-12-6	SB	REG	4	C032C37401	EPA 8270-M	U	BENZ(A)ANTHRACENE	16 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-12-6	SB	REG	4	C032C37401	EPA 8270-M	U	BENZO(A)PYRENE	46 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-12-6	SB	REG	4	C032C37401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	9.3 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-12-6	SB	REG	4	C032C37401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	25 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-12-6	SB	REG	4	C032C37401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.1 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-12-6	SB	REG	4	C032C37401	EPA 8270-M	U	CHRYSENE	130 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-12-6	SB	REG	4	C032C37401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-12-6	SB	REG	4	C032C37401	EPA 8270-M	U	FLUORANTHENE	40 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-12-6	SB	REG	4	C032C37401	EPA 8270-M	U	FLUORENE	29 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-12-6	SB	REG	4	C032C37401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-12-6	SB	REG	4	C032C37401	EPA 8270-M	U	NAPHTHALENE	12 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-12-6	SB	REG	4	C032C37401	EPA 8270-M	U	PHENANTHRENE	59 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-12-6	SB	REG	4	C032C37401	EPA 8270-M	U	PYRENE	54 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	R	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	BENZO(A)PYRENE	3.2 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.8 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	67 UG/KG		R	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	R	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	CHRYSENE	7.3 UG/KG		J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.6 UG/KG		J	000 REG	5/17/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG		R	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	PHENANTHRENE	1.5 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	PYRENE	6 UG/KG		J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	2-METHYLNAPHTHALENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	ACENAPHTHENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	ACENAPHTHYLENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	ANTHRACENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	BENZ(A)ANTHRACENE	52 UG/KG	U	U	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	BENZO(A)PYRENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	64 UG/KG	D		DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	52 UG/KG	U	U	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	CHRYSENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	FLUORANTHENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	FLUORENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.8 UG/KG	JD	J	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	NAPHTHALENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	PHENANTHRENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0	C032C37501	EPA 8270-M	U	PYRENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0.5	C032C37601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0.5	C032C37601	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0.5	C032C37601	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0.5	C032C37601	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-7	SB	REG	0.5	C032C37601	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0.5	C032C37601	EPA 8270-M	U	BENZO(A)PYRENE	8.7 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0.5	C032C37601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.7 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0.5	C032C37601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.6 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0.5	C032C37601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0.5	C032C37601	EPA 8270-M	U	CHRYSENE	15 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0.5	C032C37601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0.5	C032C37601	EPA 8270-M	U	FLUORANTHENE	11 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0.5	C032C37601	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0.5	C032C37601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.8 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0.5	C032C37601	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0.5	C032C37601	EPA 8270-M	U	PHENANTHRENE	7.8 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	0.5	C032C37601	EPA 8270-M	U	PYRENE	13 UG/KG			000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.9 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	BENZO(A)PYRENE	5.1 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.8 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	34 UG/KG		R	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	R	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	CHRYSENE	11 UG/KG		J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.9 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	FLUORANTHENE	2.8 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG		R	000 REG	5/17/2002	5/22/2002	5/23/2002

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	PHENANTHRENE	2.1 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	PYRENE	7.1 UG/KG		J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	2-METHYLNAPHTHALENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	ACENAPHTHENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	ACENAPHTHYLENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	ANTHRACENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	BENZ(A)ANTHRACENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	BENZO(A)PYRENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	33 UG/KG	JD	J	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	54 UG/KG	U	U	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	CHRYSENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	FLUORANTHENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	FLUORENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.8 UG/KG	JD	J	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	NAPHTHALENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	PHENANTHRENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	2	C032C37701	EPA 8270-M	U	PYRENE	54 UG/KG	U	R	DL1 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	4	C032C37801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	4	C032C37801	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	4	C032C37801	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	4	C032C37801	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	4	C032C37801	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.5 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	4	C032C37801	EPA 8270-M	U	BENZO(A)PYRENE	2.7 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	4	C032C37801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-7	SB	REG	4	C032C37801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.1 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	4	C032C37801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	4	C032C37801	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	4	C032C37801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	4	C032C37801	EPA 8270-M	U	FLUORANTHENE	3.8 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	4	C032C37801	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	4	C032C37801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.1 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	4	C032C37801	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	4	C032C37801	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-7	SB	REG	4	C032C37801	EPA 8270-M	U	PYRENE	4.7 UG/KG	J	J	000 REG	5/17/2002	5/22/2002	5/23/2002
32EDC-12-8	SB	FD	0.5	C032C38101	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.38 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	FD	0.5	C032C38101	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	FD	0.5	C032C38101	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	FD	0.5	C032C38101	EPA 8270-M	U	ANTHRACENE	1.3 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	FD	0.5	C032C38101	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.5 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	FD	0.5	C032C38101	EPA 8270-M	U	BENZO(A)PYRENE	6.5 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	FD	0.5	C032C38101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.8 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	FD	0.5	C032C38101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	FD	0.5	C032C38101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	FD	0.5	C032C38101	EPA 8270-M	U	CHRYSENE	13 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	FD	0.5	C032C38101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.6 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	FD	0.5	C032C38101	EPA 8270-M	U	FLUORANTHENE	6 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	FD	0.5	C032C38101	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	FD	0.5	C032C38101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.5 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	FD	0.5	C032C38101	EPA 8270-M	U	NAPHTHALENE	0.53 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	FD	0.5	C032C38101	EPA 8270-M	U	PHENANTHRENE	18 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	FD	0.5	C032C38101	EPA 8270-M	U	PYRENE	10 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-8	SB	REG	0	C032C37901	EPA 8270-M	U	2-METHYLNAPHTHALENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0	C032C37901	EPA 8270-M	U	ACENAPHTHENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0	C032C37901	EPA 8270-M	U	ACENAPHTHYLENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0	C032C37901	EPA 8270-M	U	ANTHRACENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0	C032C37901	EPA 8270-M	U	BENZ(A)ANTHRACENE	32 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0	C032C37901	EPA 8270-M	U	BENZO(A)PYRENE	27 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0	C032C37901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	53 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0	C032C37901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	67 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0	C032C37901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	27 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0	C032C37901	EPA 8270-M	U	CHRYSENE	210 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0	C032C37901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	42 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0	C032C37901	EPA 8270-M	U	FLUORANTHENE	23 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0	C032C37901	EPA 8270-M	U	FLUORENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0	C032C37901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	39 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0	C032C37901	EPA 8270-M	U	NAPHTHALENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0	C032C37901	EPA 8270-M	U	PHENANTHRENE	350 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0	C032C37901	EPA 8270-M	U	PYRENE	94 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0.5	C032C38001	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.32 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0.5	C032C38001	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0.5	C032C38001	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0.5	C032C38001	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0.5	C032C38001	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.6 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0.5	C032C38001	EPA 8270-M	U	BENZO(A)PYRENE	7.8 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0.5	C032C38001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.7 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0.5	C032C38001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.3 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0.5	C032C38001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.3 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0.5	C032C38001	EPA 8270-M	U	CHRYSENE	14 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-8	SB	REG	0.5	C032C38001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.3 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0.5	C032C38001	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0.5	C032C38001	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0.5	C032C38001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0.5	C032C38001	EPA 8270-M	U	NAPHTHALENE	0.68 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0.5	C032C38001	EPA 8270-M	U	PHENANTHRENE	21 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	0.5	C032C38001	EPA 8270-M	U	PYRENE	12 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	2	C032C38201	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.77 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	2	C032C38201	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	2	C032C38201	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	2	C032C38201	EPA 8270-M	U	ANTHRACENE	1.2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	2	C032C38201	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	2	C032C38201	EPA 8270-M	U	BENZO(A)PYRENE	4.9 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	2	C032C38201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.7 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	2	C032C38201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.8 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	2	C032C38201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.5 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	2	C032C38201	EPA 8270-M	U	CHRYSENE	9.7 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	2	C032C38201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	2	C032C38201	EPA 8270-M	U	FLUORANTHENE	3.3 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	2	C032C38201	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	2	C032C38201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.8 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	2	C032C38201	EPA 8270-M	U	NAPHTHALENE	0.48 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	2	C032C38201	EPA 8270-M	U	PHENANTHRENE	19 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	2	C032C38201	EPA 8270-M	U	PYRENE	7 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	4	C032C38301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	4	C032C38301	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	4	C032C38301	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-8	SB	REG	4	C032C38301	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	4	C032C38301	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.63 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	4	C032C38301	EPA 8270-M	U	BENZO(A)PYRENE	1.4 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	4	C032C38301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	4	C032C38301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	4	C032C38301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	4	C032C38301	EPA 8270-M	U	CHRYSENE	0.88 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	4	C032C38301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.63 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	4	C032C38301	EPA 8270-M	U	FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	4	C032C38301	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	4	C032C38301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.6 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	4	C032C38301	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	4	C032C38301	EPA 8270-M	U	PHENANTHRENE	0.61 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-8	SB	REG	4	C032C38301	EPA 8270-M	U	PYRENE	2.7 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32EDC-12-9	SB	REG	0	C032C38401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0	C032C38401	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0	C032C38401	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0	C032C38401	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0	C032C38401	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.96 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0	C032C38401	EPA 8270-M	U	BENZO(A)PYRENE	1.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0	C032C38401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.68 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0	C032C38401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0	C032C38401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.79 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0	C032C38401	EPA 8270-M	U	CHRYSENE	0.87 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0	C032C38401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0	C032C38401	EPA 8270-M	U	FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0	C032C38401	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-9	SB	REG	0	C032C38401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0	C032C38401	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0	C032C38401	EPA 8270-M	U	PHENANTHRENE	0.63 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0	C032C38401	EPA 8270-M	U	PYRENE	1.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0.5	C032C38501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0.5	C032C38501	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0.5	C032C38501	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0.5	C032C38501	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0.5	C032C38501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0.5	C032C38501	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0.5	C032C38501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0.5	C032C38501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0.5	C032C38501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0.5	C032C38501	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0.5	C032C38501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0.5	C032C38501	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0.5	C032C38501	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0.5	C032C38501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0.5	C032C38501	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0.5	C032C38501	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	0.5	C032C38501	EPA 8270-M	U	PYRENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	2	C032C38601	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	2	C032C38601	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	2	C032C38601	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	2	C032C38601	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	2	C032C38601	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.36 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	2	C032C38601	EPA 8270-M	U	BENZO(A)PYRENE	0.67 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-9	SB	REG	2	C032C38601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	2	C032C38601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.39 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	2	C032C38601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	2	C032C38601	EPA 8270-M	U	CHRYSENE	0.39 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	2	C032C38601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	2	C032C38601	EPA 8270-M	U	FLUORANTHENE	0.31 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	2	C032C38601	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	2	C032C38601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	2	C032C38601	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	2	C032C38601	EPA 8270-M	U	PHENANTHRENE	0.48 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	2	C032C38601	EPA 8270-M	U	PYRENE	0.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	4	C032C38701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	4	C032C38701	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	4	C032C38701	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	4	C032C38701	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	4	C032C38701	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.46 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	4	C032C38701	EPA 8270-M	U	BENZO(A)PYRENE	0.87 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	4	C032C38701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.69 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	4	C032C38701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	4	C032C38701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.48 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	4	C032C38701	EPA 8270-M	U	CHRYSENE	0.58 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	4	C032C38701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	4	C032C38701	EPA 8270-M	U	FLUORANTHENE	0.69 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	4	C032C38701	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	4	C032C38701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.98 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	4	C032C38701	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/26/2002
32EDC-12-9	SB	REG	4	C032C38701	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/26/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC12 TRANSFER PARCEL EDC-12

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-12-9	SB	REG	4	C032C38701	EPA 8270-M	U	PYRENE	1.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/26/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
Pay Item : PAH'S USING METHOD 8270C WITH SIM														
32EDC-17-1	SB	REG	0	C032C49801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0	C032C49801	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0	C032C49801	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0	C032C49801	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0	C032C49801	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0	C032C49801	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0	C032C49801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0	C032C49801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	61 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0	C032C49801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0	C032C49801	EPA 8270-M	U	CHRYSENE	11 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0	C032C49801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	8.3 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0	C032C49801	EPA 8270-M	U	FLUORANTHENE	4.8 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0	C032C49801	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0	C032C49801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.7 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0	C032C49801	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0	C032C49801	EPA 8270-M	U	PHENANTHRENE	2.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0	C032C49801	EPA 8270-M	U	PYRENE	5.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0.5	C032C49901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0.5	C032C49901	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0.5	C032C49901	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0.5	C032C49901	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0.5	C032C49901	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0.5	C032C49901	EPA 8270-M	U	BENZO(A)PYRENE	3.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0.5	C032C49901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0.5	C032C49901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	12 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0.5	C032C49901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.8 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-1	SB	REG	0.5	C032C49901	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0.5	C032C49901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0.5	C032C49901	EPA 8270-M	U	FLUORANTHENE	6.9 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0.5	C032C49901	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0.5	C032C49901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0.5	C032C49901	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0.5	C032C49901	EPA 8270-M	U	PHENANTHRENE	2.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	0.5	C032C49901	EPA 8270-M	U	PYRENE	6.7 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	2	C032C50001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	2	C032C50001	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	2	C032C50001	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	2	C032C50001	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	2	C032C50001	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	2	C032C50001	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	2	C032C50001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	2	C032C50001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	2	C032C50001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	2	C032C50001	EPA 8270-M	U	CHRYSENE	2.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	2	C032C50001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	2	C032C50001	EPA 8270-M	U	FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	2	C032C50001	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	2	C032C50001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	2	C032C50001	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	2	C032C50001	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	2	C032C50001	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	4	C032C50101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	4	C032C50101	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002

ANALYTICAL RESULTS --- CTO: C032

Facility: ALAMEDA

Site: EDC17 TRANSFER PARCEL EDC-17

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-1	SB	REG	4	C032C50101	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	4	C032C50101	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	4	C032C50101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	4	C032C50101	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	4	C032C50101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	4	C032C50101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	4	C032C50101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	4	C032C50101	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	4	C032C50101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	4	C032C50101	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	4	C032C50101	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	4	C032C50101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	4	C032C50101	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	4	C032C50101	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-1	SB	REG	4	C032C50101	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-17-2	SB	REG	0	C032C50201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0	C032C50201	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0	C032C50201	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0	C032C50201	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0	C032C50201	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.5 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0	C032C50201	EPA 8270-M	U	BENZO(A)PYRENE	3.6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0	C032C50201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0	C032C50201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	30 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0	C032C50201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0	C032C50201	EPA 8270-M	U	CHRYSENE	9 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0	C032C50201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0	C032C50201	EPA 8270-M	U	FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-2	SB	REG	0	C032C50201	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0	C032C50201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.3 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0	C032C50201	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0	C032C50201	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0	C032C50201	EPA 8270-M	U	PYRENE	3.6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0.5	C032C50301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0.5	C032C50301	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0.5	C032C50301	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0.5	C032C50301	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0.5	C032C50301	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0.5	C032C50301	EPA 8270-M	U	BENZO(A)PYRENE	3.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0.5	C032C50301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0.5	C032C50301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0.5	C032C50301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0.5	C032C50301	EPA 8270-M	U	CHRYSENE	4.6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0.5	C032C50301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0.5	C032C50301	EPA 8270-M	U	FLUORANTHENE	5.5 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0.5	C032C50301	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0.5	C032C50301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0.5	C032C50301	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0.5	C032C50301	EPA 8270-M	U	PHENANTHRENE	2.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	0.5	C032C50301	EPA 8270-M	U	PYRENE	6.6 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	2	C032C50401	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	2	C032C50401	EPA 8270-M	U	ACENAPHTHENE	6.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	2	C032C50401	EPA 8270-M	U	ACENAPHTHYLENE	6.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	2	C032C50401	EPA 8270-M	U	ANTHRACENE	6.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	2	C032C50401	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.3 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-2	SB	REG	2	C032C50401	EPA 8270-M	U	BENZO(A)PYRENE	6.3 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	2	C032C50401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	2	C032C50401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.6 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	2	C032C50401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.3 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	2	C032C50401	EPA 8270-M	U	CHRYSENE	2.6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	2	C032C50401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	2	C032C50401	EPA 8270-M	U	FLUORANTHENE	2.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	2	C032C50401	EPA 8270-M	U	FLUORENE	6.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	2	C032C50401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	2	C032C50401	EPA 8270-M	U	NAPHTHALENE	6.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	2	C032C50401	EPA 8270-M	U	PHENANTHRENE	2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	2	C032C50401	EPA 8270-M	U	PYRENE	3.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	4	C032C50501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	4	C032C50501	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	4	C032C50501	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	4	C032C50501	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	4	C032C50501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	4	C032C50501	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	4	C032C50501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	4	C032C50501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	4	C032C50501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	4	C032C50501	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	4	C032C50501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	4	C032C50501	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	4	C032C50501	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	4	C032C50501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	4	C032C50501	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-2	SB	REG	4	C032C50501	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-2	SB	REG	4	C032C50501	EPA 8270-M	U	PYRENE	5.6 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	FD	0.5	C032C50801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	FD	0.5	C032C50801	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	FD	0.5	C032C50801	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	FD	0.5	C032C50801	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	FD	0.5	C032C50801	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	FD	0.5	C032C50801	EPA 8270-M	U	BENZO(A)PYRENE	2.5 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	FD	0.5	C032C50801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	FD	0.5	C032C50801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.9 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	FD	0.5	C032C50801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	FD	0.5	C032C50801	EPA 8270-M	U	CHRYSENE	2.5 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	FD	0.5	C032C50801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	FD	0.5	C032C50801	EPA 8270-M	U	FLUORANTHENE	3.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	FD	0.5	C032C50801	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	FD	0.5	C032C50801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	FD	0.5	C032C50801	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	FD	0.5	C032C50801	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	FD	0.5	C032C50801	EPA 8270-M	U	PYRENE	4.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0	C032C50601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0	C032C50601	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0	C032C50601	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0	C032C50601	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0	C032C50601	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.7 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0	C032C50601	EPA 8270-M	U	BENZO(A)PYRENE	8.3 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0	C032C50601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.7 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0	C032C50601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	25 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-3	SB	REG	0	C032C50601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0	C032C50601	EPA 8270-M	U	CHRYSENE	5.5 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0	C032C50601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.5 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0	C032C50601	EPA 8270-M	U	FLUORANTHENE	7.1 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0	C032C50601	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0	C032C50601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	12 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0	C032C50601	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0	C032C50601	EPA 8270-M	U	PHENANTHRENE	2.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0	C032C50601	EPA 8270-M	U	PYRENE	10 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0.5	C032C50701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0.5	C032C50701	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0.5	C032C50701	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0.5	C032C50701	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0.5	C032C50701	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0.5	C032C50701	EPA 8270-M	U	BENZO(A)PYRENE	3.6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0.5	C032C50701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0.5	C032C50701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	13 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0.5	C032C50701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0.5	C032C50701	EPA 8270-M	U	CHRYSENE	4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0.5	C032C50701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0.5	C032C50701	EPA 8270-M	U	FLUORANTHENE	4.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0.5	C032C50701	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0.5	C032C50701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0.5	C032C50701	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0.5	C032C50701	EPA 8270-M	U	PHENANTHRENE	1.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	0.5	C032C50701	EPA 8270-M	U	PYRENE	5.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	2	C032C50901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-3	SB	REG	2	C032C50901	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	2	C032C50901	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	2	C032C50901	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	2	C032C50901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	2	C032C50901	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	2	C032C50901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	2	C032C50901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	2	C032C50901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	2	C032C50901	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	2	C032C50901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	2	C032C50901	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	2	C032C50901	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	2	C032C50901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.72 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	2	C032C50901	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	2	C032C50901	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	2	C032C50901	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	4	C032C51001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	4	C032C51001	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	4	C032C51001	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	4	C032C51001	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	4	C032C51001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	4	C032C51001	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	4	C032C51001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	4	C032C51001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	4	C032C51001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	4	C032C51001	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	4	C032C51001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-3	SB	REG	4	C032C51001	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	4	C032C51001	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	4	C032C51001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	4	C032C51001	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	4	C032C51001	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-3	SB	REG	4	C032C51001	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0	C032C51101	EPA 8270-M	U	2-METHYLNAPHTHALENE	26 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0	C032C51101	EPA 8270-M	U	ACENAPHTHENE	26 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0	C032C51101	EPA 8270-M	U	ACENAPHTHYLENE	26 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0	C032C51101	EPA 8270-M	U	ANTHRACENE	3.6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0	C032C51101	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0	C032C51101	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0	C032C51101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	10 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0	C032C51101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	22 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0	C032C51101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	13 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0	C032C51101	EPA 8270-M	U	CHRYSENE	17 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0	C032C51101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	26 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0	C032C51101	EPA 8270-M	U	FLUORANTHENE	20 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0	C032C51101	EPA 8270-M	U	FLUORENE	26 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0	C032C51101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	16 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0	C032C51101	EPA 8270-M	U	NAPHTHALENE	26 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0	C032C51101	EPA 8270-M	U	PHENANTHRENE	9.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0	C032C51101	EPA 8270-M	U	PYRENE	24 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0.5	C032C51201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0.5	C032C51201	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0.5	C032C51201	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0.5	C032C51201	EPA 8270-M	U	ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

Facility: ALAMEDA

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Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-4	SB	REG	0.5	C032C51201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0.5	C032C51201	EPA 8270-M	U	BENZO(A)PYRENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0.5	C032C51201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0.5	C032C51201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0.5	C032C51201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0.5	C032C51201	EPA 8270-M	U	CHRYSENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0.5	C032C51201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0.5	C032C51201	EPA 8270-M	U	FLUORANTHENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0.5	C032C51201	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0.5	C032C51201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0.5	C032C51201	EPA 8270-M	U	NAPHTHALENE	0.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0.5	C032C51201	EPA 8270-M	U	PHENANTHRENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	0.5	C032C51201	EPA 8270-M	U	PYRENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	2	C032C51301	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	2	C032C51301	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	2	C032C51301	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	2	C032C51301	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	2	C032C51301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	2	C032C51301	EPA 8270-M	U	BENZO(A)PYRENE	0.42 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	2	C032C51301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.64 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	2	C032C51301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	2	C032C51301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.33 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	2	C032C51301	EPA 8270-M	U	CHRYSENE	0.39 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	2	C032C51301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.89 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	2	C032C51301	EPA 8270-M	U	FLUORANTHENE	0.32 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	2	C032C51301	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	2	C032C51301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.76 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-4	SB	REG	2	C032C51301	EPA 8270-M	U	NAPHTHALENE	0.45 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	2	C032C51301	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	2	C032C51301	EPA 8270-M	U	PYRENE	0.53 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	4	C032C51401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	4	C032C51401	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	4	C032C51401	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	4	C032C51401	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	4	C032C51401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	4	C032C51401	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	4	C032C51401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	4	C032C51401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.82 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	4	C032C51401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	4	C032C51401	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	4	C032C51401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.59 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	4	C032C51401	EPA 8270-M	U	FLUORANTHENE	0.35 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	4	C032C51401	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	4	C032C51401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.62 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	4	C032C51401	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	4	C032C51401	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-4	SB	REG	4	C032C51401	EPA 8270-M	U	PYRENE	0.59 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-5	SB	FD	4	C032C51901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	FD	4	C032C51901	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	FD	4	C032C51901	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	FD	4	C032C51901	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	FD	4	C032C51901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	FD	4	C032C51901	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	FD	4	C032C51901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-5	SB	FD	4	C032C51901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.5 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	FD	4	C032C51901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.41 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	FD	4	C032C51901	EPA 8270-M	U	CHRYSENE	0.62 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	FD	4	C032C51901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	FD	4	C032C51901	EPA 8270-M	U	FLUORANTHENE	0.37 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	FD	4	C032C51901	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	FD	4	C032C51901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	FD	4	C032C51901	EPA 8270-M	U	NAPHTHALENE	0.38 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	FD	4	C032C51901	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	FD	4	C032C51901	EPA 8270-M	U	PYRENE	0.85 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0	C032C51501	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.5 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0	C032C51501	EPA 8270-M	U	ACENAPHTHENE	26 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0	C032C51501	EPA 8270-M	U	ACENAPHTHYLENE	26 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0	C032C51501	EPA 8270-M	U	ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0	C032C51501	EPA 8270-M	U	BENZ(A)ANTHRACENE	7 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0	C032C51501	EPA 8270-M	U	BENZO(A)PYRENE	7.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0	C032C51501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	13 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0	C032C51501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	27 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0	C032C51501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0	C032C51501	EPA 8270-M	U	CHRYSENE	17 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0	C032C51501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	8.5 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0	C032C51501	EPA 8270-M	U	FLUORANTHENE	11 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0	C032C51501	EPA 8270-M	U	FLUORENE	26 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0	C032C51501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	9.6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0	C032C51501	EPA 8270-M	U	NAPHTHALENE	2.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0	C032C51501	EPA 8270-M	U	PHENANTHRENE	6.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0	C032C51501	EPA 8270-M	U	PYRENE	13 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-5	SB	REG	0.5	C032C51601	EPA 8270-M	U	2-METHYLNAPHTHALENE	26 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0.5	C032C51601	EPA 8270-M	U	ACENAPHTHENE	26 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0.5	C032C51601	EPA 8270-M	U	ACENAPHTHYLENE	26 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0.5	C032C51601	EPA 8270-M	U	ANTHRACENE	3.6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0.5	C032C51601	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0.5	C032C51601	EPA 8270-M	U	BENZO(A)PYRENE	7.6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0.5	C032C51601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0.5	C032C51601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	15 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0.5	C032C51601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0.5	C032C51601	EPA 8270-M	U	CHRYSENE	9.7 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0.5	C032C51601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0.5	C032C51601	EPA 8270-M	U	FLUORANTHENE	6.5 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0.5	C032C51601	EPA 8270-M	U	FLUORENE	26 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0.5	C032C51601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	12 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0.5	C032C51601	EPA 8270-M	U	NAPHTHALENE	26 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0.5	C032C51601	EPA 8270-M	U	PHENANTHRENE	3.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	0.5	C032C51601	EPA 8270-M	U	PYRENE	6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	2	C032C51701	EPA 8270-M	U	2-METHYLNAPHTHALENE	26 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	2	C032C51701	EPA 8270-M	U	ACENAPHTHENE	26 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	2	C032C51701	EPA 8270-M	U	ACENAPHTHYLENE	26 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	2	C032C51701	EPA 8270-M	U	ANTHRACENE	3.7 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	2	C032C51701	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	2	C032C51701	EPA 8270-M	U	BENZO(A)PYRENE	7.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	2	C032C51701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	2	C032C51701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	24 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	2	C032C51701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	2	C032C51701	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-5	SB	REG	2	C032C51701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.5 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	2	C032C51701	EPA 8270-M	U	FLUORANTHENE	8.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	2	C032C51701	EPA 8270-M	U	FLUORENE	26 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	2	C032C51701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	2	C032C51701	EPA 8270-M	U	NAPHTHALENE	26 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	2	C032C51701	EPA 8270-M	U	PHENANTHRENE	3.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	2	C032C51701	EPA 8270-M	U	PYRENE	10 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	4	C032C51801	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.43 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	4	C032C51801	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	4	C032C51801	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	4	C032C51801	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	4	C032C51801	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.38 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	4	C032C51801	EPA 8270-M	U	BENZO(A)PYRENE	0.54 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	4	C032C51801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	4	C032C51801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	4	C032C51801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	4	C032C51801	EPA 8270-M	U	CHRYSENE	0.62 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	4	C032C51801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	4	C032C51801	EPA 8270-M	U	FLUORANTHENE	0.72 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	4	C032C51801	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	4	C032C51801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.79 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	4	C032C51801	EPA 8270-M	U	NAPHTHALENE	0.37 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	4	C032C51801	EPA 8270-M	U	PHENANTHRENE	0.39 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-5	SB	REG	4	C032C51801	EPA 8270-M	U	PYRENE	1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0	C032C52001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0	C032C52001	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0	C032C52001	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-6	SB	REG	0	C032C52001	EPA 8270-M	U	ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0	C032C52001	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.33 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0	C032C52001	EPA 8270-M	U	BENZO(A)PYRENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0	C032C52001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.71 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0	C032C52001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.58 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0	C032C52001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.45 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0	C032C52001	EPA 8270-M	U	CHRYSENE	0.85 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0	C032C52001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0	C032C52001	EPA 8270-M	U	FLUORANTHENE	0.36 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0	C032C52001	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0	C032C52001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0	C032C52001	EPA 8270-M	U	NAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0	C032C52001	EPA 8270-M	U	PHENANTHRENE	5.1 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0	C032C52001	EPA 8270-M	U	PYRENE	0.67 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0.5	C032C52101	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.61 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0.5	C032C52101	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0.5	C032C52101	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0.5	C032C52101	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0.5	C032C52101	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.63 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0.5	C032C52101	EPA 8270-M	U	BENZO(A)PYRENE	0.75 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0.5	C032C52101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0.5	C032C52101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.97 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0.5	C032C52101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.37 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0.5	C032C52101	EPA 8270-M	U	CHRYSENE	2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0.5	C032C52101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.46 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0.5	C032C52101	EPA 8270-M	U	FLUORANTHENE	0.37 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0.5	C032C52101	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-6	SB	REG	0.5	C032C52101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0.5	C032C52101	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0.5	C032C52101	EPA 8270-M	U	PHENANTHRENE	0.74 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	0.5	C032C52101	EPA 8270-M	U	PYRENE	0.67 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	2	C032C52201	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	2	C032C52201	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	2	C032C52201	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	2	C032C52201	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	2	C032C52201	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.34 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	2	C032C52201	EPA 8270-M	U	BENZO(A)PYRENE	0.48 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	2	C032C52201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.57 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	2	C032C52201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	2	C032C52201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	2	C032C52201	EPA 8270-M	U	CHRYSENE	1.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	2	C032C52201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.34 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	2	C032C52201	EPA 8270-M	U	FLUORANTHENE	0.45 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	2	C032C52201	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	2	C032C52201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	2	C032C52201	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	2	C032C52201	EPA 8270-M	U	PHENANTHRENE	0.65 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	2	C032C52201	EPA 8270-M	U	PYRENE	0.55 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	4	C032C52301	EPA 8270-M	U	2-METHYLNAPHTHALENE	7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	4	C032C52301	EPA 8270-M	U	ACENAPHTHENE	7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	4	C032C52301	EPA 8270-M	U	ACENAPHTHYLENE	7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	4	C032C52301	EPA 8270-M	U	ANTHRACENE	7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	4	C032C52301	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.79 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	4	C032C52301	EPA 8270-M	U	BENZO(A)PYRENE	1.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-6	SB	REG	4	C032C52301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	4	C032C52301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	4	C032C52301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.98 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	4	C032C52301	EPA 8270-M	U	CHRYSENE	0.94 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	4	C032C52301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	4	C032C52301	EPA 8270-M	U	FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	4	C032C52301	EPA 8270-M	U	FLUORENE	7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	4	C032C52301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	4	C032C52301	EPA 8270-M	U	NAPHTHALENE	0.47 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	4	C032C52301	EPA 8270-M	U	PHENANTHRENE	0.67 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-6	SB	REG	4	C032C52301	EPA 8270-M	U	PYRENE	2.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-17-7	SB	REG	0	C032C52401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0	C032C52401	EPA 8270-M	U	ACENAPHTHENE	1.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0	C032C52401	EPA 8270-M	U	ACENAPHTHYLENE	10 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0	C032C52401	EPA 8270-M	U	ANTHRACENE	45 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0	C032C52401	EPA 8270-M	U	BENZ(A)ANTHRACENE	250 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0	C032C52401	EPA 8270-M	U	BENZO(A)PYRENE	330 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0	C032C52401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	200 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0	C032C52401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	230 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0	C032C52401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	190 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0	C032C52401	EPA 8270-M	U	CHRYSENE	300 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0	C032C52401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	31 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0	C032C52401	EPA 8270-M	U	FLUORANTHENE	620 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0	C032C52401	EPA 8270-M	U	FLUORENE	6 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0	C032C52401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	240 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0	C032C52401	EPA 8270-M	U	NAPHTHALENE	6.9 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0	C032C52401	EPA 8270-M	U	PHENANTHRENE	220 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-7	SB	REG	0	C032C52401	EPA 8270-M	U	PYRENE	740 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0.5	C032C52501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0.5	C032C52501	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0.5	C032C52501	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0.5	C032C52501	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0.5	C032C52501	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.5 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0.5	C032C52501	EPA 8270-M	U	BENZO(A)PYRENE	8.8 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0.5	C032C52501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.5 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0.5	C032C52501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	11 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0.5	C032C52501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0.5	C032C52501	EPA 8270-M	U	CHRYSENE	5.6 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0.5	C032C52501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0.5	C032C52501	EPA 8270-M	U	FLUORANTHENE	9.4 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0.5	C032C52501	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0.5	C032C52501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	9 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0.5	C032C52501	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0.5	C032C52501	EPA 8270-M	U	PHENANTHRENE	4.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	0.5	C032C52501	EPA 8270-M	U	PYRENE	13 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	2	C032C52601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	2	C032C52601	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	2	C032C52601	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	2	C032C52601	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	2	C032C52601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	2	C032C52601	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	2	C032C52601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	2	C032C52601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.2 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	2	C032C52601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-7	SB	REG	2	C032C52601	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	2	C032C52601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	2	C032C52601	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	2	C032C52601	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	2	C032C52601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.75 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	2	C032C52601	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	2	C032C52601	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	2	C032C52601	EPA 8270-M	U	PYRENE	5.2 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	4	C032C52701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	4	C032C52701	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	4	C032C52701	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	4	C032C52701	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	4	C032C52701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	4	C032C52701	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	4	C032C52701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	4	C032C52701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	4	C032C52701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	4	C032C52701	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	4	C032C52701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	4	C032C52701	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	4	C032C52701	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	4	C032C52701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	4	C032C52701	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	4	C032C52701	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-7	SB	REG	4	C032C52701	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-17-8	SB	FD	0.5	C032C53001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	FD	0.5	C032C53001	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-8	SB	FD	0.5	C032C53001	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	FD	0.5	C032C53001	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	FD	0.5	C032C53001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	FD	0.5	C032C53001	EPA 8270-M	U	BENZO(A)PYRENE	0.43 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	FD	0.5	C032C53001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	FD	0.5	C032C53001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.42 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	FD	0.5	C032C53001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	FD	0.5	C032C53001	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	FD	0.5	C032C53001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	FD	0.5	C032C53001	EPA 8270-M	U	FLUORANTHENE	0.47 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	FD	0.5	C032C53001	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	FD	0.5	C032C53001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	FD	0.5	C032C53001	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	FD	0.5	C032C53001	EPA 8270-M	U	PHENANTHRENE	0.36 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	FD	0.5	C032C53001	EPA 8270-M	U	PYRENE	0.63 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0	C032C52801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0	C032C52801	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0	C032C52801	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0	C032C52801	EPA 8270-M	U	ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0	C032C52801	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.2 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0	C032C52801	EPA 8270-M	U	BENZO(A)PYRENE	2.1 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0	C032C52801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.7 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0	C032C52801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.1 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0	C032C52801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0	C032C52801	EPA 8270-M	U	CHRYSENE	2.6 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0	C032C52801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.34 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0	C032C52801	EPA 8270-M	U	FLUORANTHENE	2.8 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-8	SB	REG	0	C032C52801	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0	C032C52801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.2 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0	C032C52801	EPA 8270-M	U	NAPHTHALENE	0.32 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0	C032C52801	EPA 8270-M	U	PHENANTHRENE	1.3 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0	C032C52801	EPA 8270-M	U	PYRENE	3.5 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0.5	C032C52901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0.5	C032C52901	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0.5	C032C52901	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0.5	C032C52901	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0.5	C032C52901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0.5	C032C52901	EPA 8270-M	U	BENZO(A)PYRENE	0.43 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0.5	C032C52901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.54 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0.5	C032C52901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.6 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0.5	C032C52901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0.5	C032C52901	EPA 8270-M	U	CHRYSENE	0.42 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0.5	C032C52901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0.5	C032C52901	EPA 8270-M	U	FLUORANTHENE	0.43 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0.5	C032C52901	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0.5	C032C52901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.64 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0.5	C032C52901	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0.5	C032C52901	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	0.5	C032C52901	EPA 8270-M	U	PYRENE	0.82 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	2	C032C53101	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.1 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	2	C032C53101	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	2	C032C53101	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	2	C032C53101	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	2	C032C53101	EPA 8270-M	U	BENZ(A)ANTHRACENE	2 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-8	SB	REG	2	C032C53101	EPA 8270-M	U	BENZO(A)PYRENE	3.8 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	2	C032C53101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	2	C032C53101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.2 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	2	C032C53101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	2	C032C53101	EPA 8270-M	U	CHRYSENE	9.9 UG/KG			000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	2	C032C53101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	2	C032C53101	EPA 8270-M	U	FLUORANTHENE	2.4 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	2	C032C53101	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	2	C032C53101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	2	C032C53101	EPA 8270-M	U	NAPHTHALENE	0.48 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	2	C032C53101	EPA 8270-M	U	PHENANTHRENE	3.7 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	2	C032C53101	EPA 8270-M	U	PYRENE	4.8 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	4	C032C53201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	4	C032C53201	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	4	C032C53201	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	4	C032C53201	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	4	C032C53201	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.65 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	4	C032C53201	EPA 8270-M	U	BENZO(A)PYRENE	1.5 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	4	C032C53201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	4	C032C53201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.6 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	4	C032C53201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.87 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	4	C032C53201	EPA 8270-M	U	CHRYSENE	1.2 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	4	C032C53201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	4	C032C53201	EPA 8270-M	U	FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	4	C032C53201	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	4	C032C53201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.3 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	4	C032C53201	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/3/2002	6/4/2002

ANALYTICAL RESULTS --- CTO: C032

Facility: ALAMEDA

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-8	SB	REG	4	C032C53201	EPA 8270-M	U	PHENANTHRENE	0.8 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-8	SB	REG	4	C032C53201	EPA 8270-M	U	PYRENE	2.6 UG/KG	J	J	000 REG	5/31/2002	6/3/2002	6/4/2002
32EDC-17-9	SB	FD	4	C032C53701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	FD	4	C032C53701	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	FD	4	C032C53701	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	FD	4	C032C53701	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	FD	4	C032C53701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	FD	4	C032C53701	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	FD	4	C032C53701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	FD	4	C032C53701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	FD	4	C032C53701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	FD	4	C032C53701	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	FD	4	C032C53701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	FD	4	C032C53701	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	FD	4	C032C53701	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	FD	4	C032C53701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	FD	4	C032C53701	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	FD	4	C032C53701	EPA 8270-M	U	PHENANTHRENE	1.8 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	FD	4	C032C53701	EPA 8270-M	U	PYRENE	5.6 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	2-METHYLNAPHTHALENE	110 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	ACENAPHTHENE	38 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	ANTHRACENE	70 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	BENZ(A)ANTHRACENE	370 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	BENZO(A)PYRENE	150 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	310 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	120 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	CHRYSENE	1200 UG/KG	E	R	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	93 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	FLUORANTHENE	220 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	FLUORENE	340 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	25 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	NAPHTHALENE	12 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	PHENANTHRENE	2000 UG/KG	E	R	000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	PYRENE	490 UG/KG			000 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	2-METHYLNAPHTHALENE	100 UG/KG	D	R	DL1 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	ACENAPHTHENE	32 UG/KG	JD	R	DL1 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	ACENAPHTHYLENE	54 UG/KG	U	R	DL1 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	ANTHRACENE	72 UG/KG	D	R	DL1 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	BENZ(A)ANTHRACENE	450 UG/KG	D	R	DL1 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	BENZO(A)PYRENE	110 UG/KG	D	R	DL1 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	280 UG/KG	D	R	DL1 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	120 UG/KG	D	R	DL1 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	54 UG/KG	U	R	DL1 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	CHRYSENE	1500 UG/KG	D		DL1 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	79 UG/KG	D	R	DL1 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	FLUORANTHENE	150 UG/KG	D	R	DL1 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	FLUORENE	300 UG/KG	D	R	DL1 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	27 UG/KG	JD	R	DL1 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	NAPHTHALENE	54 UG/KG	U	R	DL1 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	PHENANTHRENE	2300 UG/KG	D		DL1 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0	C032C53301	EPA 8270-M	U	PYRENE	650 UG/KG	D	R	DL1 REG	5/31/2002	6/1/2002	6/3/2002
32EDC-17-9	SB	REG	0.5	C032C53401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-9	SB	REG	0.5	C032C53401	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	0.5	C032C53401	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	0.5	C032C53401	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	0.5	C032C53401	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.4 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	0.5	C032C53401	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	0.5	C032C53401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.4 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	0.5	C032C53401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	0.5	C032C53401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	0.5	C032C53401	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	0.5	C032C53401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	0.5	C032C53401	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	0.5	C032C53401	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	0.5	C032C53401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	0.5	C032C53401	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	0.5	C032C53401	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	0.5	C032C53401	EPA 8270-M	U	PYRENE	2.3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	2	C032C53501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	2	C032C53501	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	2	C032C53501	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	2	C032C53501	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	2	C032C53501	EPA 8270-M	U	BENZ(A)ANTHRACENE	7.2 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	2	C032C53501	EPA 8270-M	U	BENZO(A)PYRENE	7.6 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	2	C032C53501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	16 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	2	C032C53501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	14 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	2	C032C53501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	2	C032C53501	EPA 8270-M	U	CHRYSENE	33 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	2	C032C53501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.6 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC17 TRANSFER PARCEL EDC-17

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-17-9	SB	REG	2	C032C53501	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	2	C032C53501	EPA 8270-M	U	FLUORENE	2.6 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	2	C032C53501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.4 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	2	C032C53501	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	2	C032C53501	EPA 8270-M	U	PHENANTHRENE	26 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	2	C032C53501	EPA 8270-M	U	PYRENE	17 UG/KG			000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	4	C032C53601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	4	C032C53601	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	4	C032C53601	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	4	C032C53601	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	4	C032C53601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	4	C032C53601	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	4	C032C53601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	4	C032C53601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	4	C032C53601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	4	C032C53601	EPA 8270-M	U	CHRYSENE	3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	4	C032C53601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	4	C032C53601	EPA 8270-M	U	FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	4	C032C53601	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	4	C032C53601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.74 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	4	C032C53601	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	4	C032C53601	EPA 8270-M	U	PHENANTHRENE	2.4 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002
32EDC-17-9	SB	REG	4	C032C53601	EPA 8270-M	U	PYRENE	2.3 UG/KG	J	J	000 REG	5/31/2002	6/1/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
Pay Item : PAH'S USING METHOD 8270C WITH SIM														
FQC	BW	ER		C032CR2001	EPA 8270-M	U	2-METHYLNAPHTHALENE	48 NG/L	U	U	000 REG	5/29/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	ACENAPHTHENE	48 NG/L	U	U	000 REG	5/29/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	ACENAPHTHYLENE	48 NG/L	U	U	000 REG	5/29/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	ANTHRACENE	48 NG/L	U	U	000 REG	5/29/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	BENZ(A)ANTHRACENE	48 NG/L	U	U	000 REG	5/29/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	BENZO(A)PYRENE	48 NG/L	U	U	000 REG	5/29/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	48 NG/L	U	U	000 REG	5/29/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	48 NG/L	U	U	000 REG	5/29/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	48 NG/L	U	U	000 REG	5/29/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	CHRYSENE	48 NG/L	U	U	000 REG	5/29/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	48 NG/L	U	U	000 REG	5/29/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	FLUORANTHENE	48 NG/L	U	U	000 REG	5/29/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	FLUORENE	48 NG/L	U	U	000 REG	5/29/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	48 NG/L	U	U	000 REG	5/29/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	NAPHTHALENE	48 NG/L	JB	U	000 REG	5/29/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	PHENANTHRENE	48 NG/L	U	U	000 REG	5/29/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	PYRENE	48 NG/L	U	U	000 REG	5/29/2002	6/1/2002	6/3/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	2-METHYLNAPHTHALENE	50 NG/L	U	R	RA1 REG	5/29/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	ACENAPHTHENE	50 NG/L	U	R	RA1 REG	5/29/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	ACENAPHTHYLENE	50 NG/L	U	R	RA1 REG	5/29/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	ANTHRACENE	50 NG/L	U	R	RA1 REG	5/29/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	BENZ(A)ANTHRACENE	50 NG/L	U	R	RA1 REG	5/29/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	BENZO(A)PYRENE	50 NG/L	U	R	RA1 REG	5/29/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	50 NG/L	U	R	RA1 REG	5/29/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	50 NG/L	U	R	RA1 REG	5/29/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	50 NG/L	U	R	RA1 REG	5/29/2002	6/6/2002	6/7/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
FQC	BW	ER		C032CR2001	EPA 8270-M	U	CHRYSENE	50 NG/L	U	R	RA1 REG	5/29/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	50 NG/L	U	R	RA1 REG	5/29/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	FLUORANTHENE	50 NG/L	U	R	RA1 REG	5/29/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	FLUORENE	50 NG/L	U	R	RA1 REG	5/29/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	50 NG/L	U	R	RA1 REG	5/29/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	NAPHTHALENE	3.3 NG/L	JB	R	RA1 REG	5/29/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	PHENANTHRENE	50 NG/L	U	R	RA1 REG	5/29/2002	6/6/2002	6/7/2002
FQC	BW	ER		C032CR2001	EPA 8270-M	U	PYRENE	50 NG/L	U	R	RA1 REG	5/29/2002	6/6/2002	6/7/2002
Pay Item : PAH'S USING METHOD 8270C WITH SIM														
32EDC-21-1	SB	REG	0	C032C53801	EPA 8270-M	U	2-METHYLNAPHTHALENE	85 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0	C032C53801	EPA 8270-M	U	ACENAPHTHENE	33 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0	C032C53801	EPA 8270-M	U	ACENAPHTHYLENE	9.1 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0	C032C53801	EPA 8270-M	U	ANTHRACENE	48 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0	C032C53801	EPA 8270-M	U	BENZ(A)ANTHRACENE	120 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0	C032C53801	EPA 8270-M	U	BENZO(A)PYRENE	150 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0	C032C53801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	170 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0	C032C53801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	98 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0	C032C53801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	80 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0	C032C53801	EPA 8270-M	U	CHRYSENE	320 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0	C032C53801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	37 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0	C032C53801	EPA 8270-M	U	FLUORANTHENE	280 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0	C032C53801	EPA 8270-M	U	FLUORENE	36 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0	C032C53801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	71 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0	C032C53801	EPA 8270-M	U	NAPHTHALENE	25 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0	C032C53801	EPA 8270-M	U	PHENANTHRENE	320 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0	C032C53801	EPA 8270-M	U	PYRENE	250 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0.5	C032C53901	EPA 8270-M	U	2-METHYLNAPHTHALENE	11 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-1	SB	REG	0.5	C032C53901	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0.5	C032C53901	EPA 8270-M	U	ACENAPHTHYLENE	1.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0.5	C032C53901	EPA 8270-M	U	ANTHRACENE	8.9 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0.5	C032C53901	EPA 8270-M	U	BENZ(A)ANTHRACENE	26 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0.5	C032C53901	EPA 8270-M	U	BENZO(A)PYRENE	34 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0.5	C032C53901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	41 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0.5	C032C53901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	38 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0.5	C032C53901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	19 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0.5	C032C53901	EPA 8270-M	U	CHRYSENE	78 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0.5	C032C53901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	11 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0.5	C032C53901	EPA 8270-M	U	FLUORANTHENE	58 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0.5	C032C53901	EPA 8270-M	U	FLUORENE	5.9 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0.5	C032C53901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	23 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0.5	C032C53901	EPA 8270-M	U	NAPHTHALENE	4.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0.5	C032C53901	EPA 8270-M	U	PHENANTHRENE	59 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	0.5	C032C53901	EPA 8270-M	U	PYRENE	67 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	2	C032C54001	EPA 8270-M	U	2-METHYLNAPHTHALENE	12 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	2	C032C54001	EPA 8270-M	U	ACENAPHTHENE	4.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	2	C032C54001	EPA 8270-M	U	ACENAPHTHYLENE	4.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	2	C032C54001	EPA 8270-M	U	ANTHRACENE	8.9 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	2	C032C54001	EPA 8270-M	U	BENZ(A)ANTHRACENE	27 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	2	C032C54001	EPA 8270-M	U	BENZO(A)PYRENE	41 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	2	C032C54001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	43 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	2	C032C54001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	49 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	2	C032C54001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	23 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	2	C032C54001	EPA 8270-M	U	CHRYSENE	66 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	2	C032C54001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9.7 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002

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Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-1	SB	REG	2	C032C54001	EPA 8270-M	U	FLUORANTHENE	58 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	2	C032C54001	EPA 8270-M	U	FLUORENE	5.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	2	C032C54001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	37 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	2	C032C54001	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	2	C032C54001	EPA 8270-M	U	PHENANTHRENE	43 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	2	C032C54001	EPA 8270-M	U	PYRENE	69 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	4	C032C54101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	4	C032C54101	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	4	C032C54101	EPA 8270-M	U	ACENAPHTHYLENE	1.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	4	C032C54101	EPA 8270-M	U	ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	4	C032C54101	EPA 8270-M	U	BENZ(A)ANTHRACENE	9.5 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	4	C032C54101	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	4	C032C54101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	14 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	4	C032C54101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	19 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	4	C032C54101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9.8 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	4	C032C54101	EPA 8270-M	U	CHRYSENE	15 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	4	C032C54101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	4	C032C54101	EPA 8270-M	U	FLUORANTHENE	23 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	4	C032C54101	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	4	C032C54101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	17 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	4	C032C54101	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	4	C032C54101	EPA 8270-M	U	PHENANTHRENE	9.4 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-1	SB	REG	4	C032C54101	EPA 8270-M	U	PYRENE	30 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-10	SB	FD	4	C032C58101	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	FD	4	C032C58101	EPA 8270-M	U	ACENAPHTHENE	16 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	FD	4	C032C58101	EPA 8270-M	U	ACENAPHTHYLENE	30 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	FD	4	C032C58101	EPA 8270-M	U	ANTHRACENE	19 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-10	SB	FD	4	C032C58101	EPA 8270-M	U	BENZ(A)ANTHRACENE	110 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	FD	4	C032C58101	EPA 8270-M	U	BENZO(A)PYRENE	160 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	FD	4	C032C58101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	120 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	FD	4	C032C58101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	140 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	FD	4	C032C58101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	98 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	FD	4	C032C58101	EPA 8270-M	U	CHRYSENE	130 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	FD	4	C032C58101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	20 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	FD	4	C032C58101	EPA 8270-M	U	FLUORANTHENE	360 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	FD	4	C032C58101	EPA 8270-M	U	FLUORENE	17 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	FD	4	C032C58101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	100 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	FD	4	C032C58101	EPA 8270-M	U	NAPHTHALENE	25 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	FD	4	C032C58101	EPA 8270-M	U	PHENANTHRENE	330 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	FD	4	C032C58101	EPA 8270-M	U	PYRENE	390 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	REG	0	C032C57701	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0	C032C57701	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0	C032C57701	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0	C032C57701	EPA 8270-M	U	ANTHRACENE	1.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0	C032C57701	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.7 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0	C032C57701	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG		J	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0	C032C57701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	15 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0	C032C57701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	12 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0	C032C57701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.4 UG/KG		J	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0	C032C57701	EPA 8270-M	U	CHRYSENE	11 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0	C032C57701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0	C032C57701	EPA 8270-M	U	FLUORANTHENE	9.8 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0	C032C57701	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0	C032C57701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.2 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-10	SB	REG	0	C032C57701	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0	C032C57701	EPA 8270-M	U	PHENANTHRENE	4.7 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0	C032C57701	EPA 8270-M	U	PYRENE	13 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0.5	C032C57801	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0.5	C032C57801	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0.5	C032C57801	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0.5	C032C57801	EPA 8270-M	U	ANTHRACENE	2.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0.5	C032C57801	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0.5	C032C57801	EPA 8270-M	U	BENZO(A)PYRENE	19 UG/KG		J	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0.5	C032C57801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	20 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0.5	C032C57801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	21 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0.5	C032C57801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	11 UG/KG		J	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0.5	C032C57801	EPA 8270-M	U	CHRYSENE	22 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0.5	C032C57801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0.5	C032C57801	EPA 8270-M	U	FLUORANTHENE	19 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0.5	C032C57801	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0.5	C032C57801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	10 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0.5	C032C57801	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0.5	C032C57801	EPA 8270-M	U	PHENANTHRENE	8.9 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	0.5	C032C57801	EPA 8270-M	U	PYRENE	25 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-10	SB	REG	2	C032C57901	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.5 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-21-10	SB	REG	2	C032C57901	EPA 8270-M	U	ACENAPHTHENE	2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-21-10	SB	REG	2	C032C57901	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-21-10	SB	REG	2	C032C57901	EPA 8270-M	U	ANTHRACENE	4.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-21-10	SB	REG	2	C032C57901	EPA 8270-M	U	BENZ(A)ANTHRACENE	17 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-21-10	SB	REG	2	C032C57901	EPA 8270-M	U	BENZO(A)PYRENE	19 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-21-10	SB	REG	2	C032C57901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	26 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002

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Facility: ALAMEDA

Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-10	SB	REG	2	C032C57901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	16 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-21-10	SB	REG	2	C032C57901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	10 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-21-10	SB	REG	2	C032C57901	EPA 8270-M	U	CHRYSENE	34 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-21-10	SB	REG	2	C032C57901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-21-10	SB	REG	2	C032C57901	EPA 8270-M	U	FLUORANTHENE	30 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-21-10	SB	REG	2	C032C57901	EPA 8270-M	U	FLUORENE	1.6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-21-10	SB	REG	2	C032C57901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	9.2 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-21-10	SB	REG	2	C032C57901	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-21-10	SB	REG	2	C032C57901	EPA 8270-M	U	PHENANTHRENE	16 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-21-10	SB	REG	2	C032C57901	EPA 8270-M	U	PYRENE	42 UG/KG			000 REG	5/30/2002	5/31/2002	6/4/2002
32EDC-21-10	SB	REG	4	C032C58001	EPA 8270-M	U	2-METHYLNAPHTHALENE	8.1 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	REG	4	C032C58001	EPA 8270-M	U	ACENAPHTHENE	27 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	REG	4	C032C58001	EPA 8270-M	U	ACENAPHTHYLENE	38 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	REG	4	C032C58001	EPA 8270-M	U	ANTHRACENE	27 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	REG	4	C032C58001	EPA 8270-M	U	BENZ(A)ANTHRACENE	210 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	REG	4	C032C58001	EPA 8270-M	U	BENZO(A)PYRENE	310 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	REG	4	C032C58001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	230 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	REG	4	C032C58001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	300 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	REG	4	C032C58001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	190 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	REG	4	C032C58001	EPA 8270-M	U	CHRYSENE	270 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	REG	4	C032C58001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	38 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	REG	4	C032C58001	EPA 8270-M	U	FLUORANTHENE	670 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	REG	4	C032C58001	EPA 8270-M	U	FLUORENE	25 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	REG	4	C032C58001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	220 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	REG	4	C032C58001	EPA 8270-M	U	NAPHTHALENE	46 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	REG	4	C032C58001	EPA 8270-M	U	PHENANTHRENE	510 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-10	SB	REG	4	C032C58001	EPA 8270-M	U	PYRENE	790 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-11	SB	REG	0	C032C58201	EPA 8270-M	U	2-METHYLNAPHTHALENE	11 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-11	SB	REG	0	C032C58201	EPA 8270-M	U	ACENAPHTHENE	55 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-11	SB	REG	0	C032C58201	EPA 8270-M	U	ACENAPHTHYLENE	55 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-11	SB	REG	0	C032C58201	EPA 8270-M	U	ANTHRACENE	55 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-11	SB	REG	0	C032C58201	EPA 8270-M	U	BENZ(A)ANTHRACENE	17 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-11	SB	REG	0	C032C58201	EPA 8270-M	U	BENZO(A)PYRENE	25 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-11	SB	REG	0	C032C58201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	24 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-11	SB	REG	0	C032C58201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	37 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-11	SB	REG	0	C032C58201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	17 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-11	SB	REG	0	C032C58201	EPA 8270-M	U	CHRYSENE	40 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-11	SB	REG	0	C032C58201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	14 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-11	SB	REG	0	C032C58201	EPA 8270-M	U	FLUORANTHENE	25 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-11	SB	REG	0	C032C58201	EPA 8270-M	U	FLUORENE	55 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-11	SB	REG	0	C032C58201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	19 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-11	SB	REG	0	C032C58201	EPA 8270-M	U	NAPHTHALENE	7.6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-11	SB	REG	0	C032C58201	EPA 8270-M	U	PHENANTHRENE	9.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-11	SB	REG	0	C032C58201	EPA 8270-M	U	PYRENE	33 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-11	SB	REG	0.5	C032C58301	EPA 8270-M	U	2-METHYLNAPHTHALENE	16 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	0.5	C032C58301	EPA 8270-M	U	ACENAPHTHENE	55 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	0.5	C032C58301	EPA 8270-M	U	ACENAPHTHYLENE	55 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	0.5	C032C58301	EPA 8270-M	U	ANTHRACENE	55 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	0.5	C032C58301	EPA 8270-M	U	BENZ(A)ANTHRACENE	28 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	0.5	C032C58301	EPA 8270-M	U	BENZO(A)PYRENE	36 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	0.5	C032C58301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	61 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	0.5	C032C58301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	110 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	0.5	C032C58301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	28 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	0.5	C032C58301	EPA 8270-M	U	CHRYSENE	100 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-11	SB	REG	0.5	C032C58301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	23 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	0.5	C032C58301	EPA 8270-M	U	FLUORANTHENE	36 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	0.5	C032C58301	EPA 8270-M	U	FLUORENE	55 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	0.5	C032C58301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	36 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	0.5	C032C58301	EPA 8270-M	U	NAPHTHALENE	9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	0.5	C032C58301	EPA 8270-M	U	PHENANTHRENE	45 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	0.5	C032C58301	EPA 8270-M	U	PYRENE	74 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	2	C032C58401	EPA 8270-M	U	2-METHYLNAPHTHALENE	55 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	2	C032C58401	EPA 8270-M	U	ACENAPHTHENE	55 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	2	C032C58401	EPA 8270-M	U	ACENAPHTHYLENE	55 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	2	C032C58401	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	2	C032C58401	EPA 8270-M	U	BENZ(A)ANTHRACENE	17 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	2	C032C58401	EPA 8270-M	U	BENZO(A)PYRENE	31 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	2	C032C58401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	41 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	2	C032C58401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	52 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	2	C032C58401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	21 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	2	C032C58401	EPA 8270-M	U	CHRYSENE	60 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	2	C032C58401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	18 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	2	C032C58401	EPA 8270-M	U	FLUORANTHENE	25 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	2	C032C58401	EPA 8270-M	U	FLUORENE	55 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	2	C032C58401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	44 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	2	C032C58401	EPA 8270-M	U	NAPHTHALENE	3.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	2	C032C58401	EPA 8270-M	U	PHENANTHRENE	15 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-11	SB	REG	2	C032C58401	EPA 8270-M	U	PYRENE	42 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-12	SB	FD	4	C032C59001	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.5 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	FD	4	C032C59001	EPA 8270-M	U	ACENAPHTHENE	98 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	FD	4	C032C59001	EPA 8270-M	U	ACENAPHTHYLENE	60 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-12	SB	FD	4	C032C59001	EPA 8270-M	U	ANTHRACENE	180 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	FD	4	C032C59001	EPA 8270-M	U	BENZ(A)ANTHRACENE	400 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	FD	4	C032C59001	EPA 8270-M	U	BENZO(A)PYRENE	520 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	FD	4	C032C59001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	310 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	FD	4	C032C59001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	350 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	FD	4	C032C59001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	320 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	FD	4	C032C59001	EPA 8270-M	U	CHRYSENE	450 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	FD	4	C032C59001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	59 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	FD	4	C032C59001	EPA 8270-M	U	FLUORANTHENE	1100 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	FD	4	C032C59001	EPA 8270-M	U	FLUORENE	84 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	FD	4	C032C59001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	260 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	FD	4	C032C59001	EPA 8270-M	U	NAPHTHALENE	6.4 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	FD	4	C032C59001	EPA 8270-M	U	PHENANTHRENE	1100 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	FD	4	C032C59001	EPA 8270-M	U	PYRENE	1400 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	0	C032C58601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	0	C032C58601	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	0	C032C58601	EPA 8270-M	U	ACENAPHTHYLENE	1.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	0	C032C58601	EPA 8270-M	U	ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	0	C032C58601	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	0	C032C58601	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	0	C032C58601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	14 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	0	C032C58601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	20 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	0	C032C58601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	11 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	0	C032C58601	EPA 8270-M	U	CHRYSENE	14 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	0	C032C58601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	0	C032C58601	EPA 8270-M	U	FLUORANTHENE	26 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	0	C032C58601	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/3/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-12	SB	REG	0	C032C58601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	14 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	0	C032C58601	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	0	C032C58601	EPA 8270-M	U	PHENANTHRENE	8.4 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	0	C032C58601	EPA 8270-M	U	PYRENE	32 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	0.5	C032C58701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	0.5	C032C58701	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	0.5	C032C58701	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	0.5	C032C58701	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	0.5	C032C58701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	0.5	C032C58701	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	R	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	0.5	C032C58701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	0.5	C032C58701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.7 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	0.5	C032C58701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	UJ	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	0.5	C032C58701	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	0.5	C032C58701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	0.5	C032C58701	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	0.5	C032C58701	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	0.5	C032C58701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	0.5	C032C58701	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	0.5	C032C58701	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	0.5	C032C58701	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	ACENAPHTHENE	6.7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	ACENAPHTHYLENE	6.7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	ANTHRACENE	6.7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	BENZO(A)PYRENE	26 UG/KG		J	000 REG	5/30/2002	5/31/2002	5/31/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	25 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	36 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	12 UG/KG		J	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	CHRYSENE	18 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.7 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	FLUORANTHENE	27 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	FLUORENE	6.7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	23 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	NAPHTHALENE	6.7 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	PYRENE	37 UG/KG			000 REG	5/30/2002	5/31/2002	5/31/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.7 UG/KG	U	R	RA0 REG	5/30/2002	6/6/2002	6/7/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	ACENAPHTHENE	6.7 UG/KG	U	R	RA0 REG	5/30/2002	6/6/2002	6/7/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	ACENAPHTHYLENE	2.1 UG/KG	J	R	RA0 REG	5/30/2002	6/6/2002	6/7/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	ANTHRACENE	1.9 UG/KG	J	R	RA0 REG	5/30/2002	6/6/2002	6/7/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	BENZ(A)ANTHRACENE	17 UG/KG		R	RA0 REG	5/30/2002	6/6/2002	6/7/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	BENZO(A)PYRENE	40 UG/KG		R	RA0 REG	5/30/2002	6/6/2002	6/7/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	36 UG/KG		R	RA0 REG	5/30/2002	6/6/2002	6/7/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	54 UG/KG		R	RA0 REG	5/30/2002	6/6/2002	6/7/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	20 UG/KG		R	RA0 REG	5/30/2002	6/6/2002	6/7/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	CHRYSENE	28 UG/KG		R	RA0 REG	5/30/2002	6/6/2002	6/7/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	J	R	RA0 REG	5/30/2002	6/6/2002	6/7/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	FLUORANTHENE	46 UG/KG		R	RA0 REG	5/30/2002	6/6/2002	6/7/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	FLUORENE	6.7 UG/KG	U	R	RA0 REG	5/30/2002	6/6/2002	6/7/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	35 UG/KG		R	RA0 REG	5/30/2002	6/6/2002	6/7/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	NAPHTHALENE	1.9 UG/KG	J	R	RA0 REG	5/30/2002	6/6/2002	6/7/2002
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	PHENANTHRENE	13 UG/KG		R	RA0 REG	5/30/2002	6/6/2002	6/7/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-12	SB	REG	2	C032C58801	EPA 8270-M	U	PYRENE	58 UG/KG		R	RA0 REG	5/30/2002	6/6/2002	6/7/2002
32EDC-21-12	SB	REG	4	C032C58901	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	4	C032C58901	EPA 8270-M	U	ACENAPHTHENE	7.7 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	4	C032C58901	EPA 8270-M	U	ACENAPHTHYLENE	7.4 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	4	C032C58901	EPA 8270-M	U	ANTHRACENE	26 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	4	C032C58901	EPA 8270-M	U	BENZ(A)ANTHRACENE	93 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	4	C032C58901	EPA 8270-M	U	BENZO(A)PYRENE	110 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	4	C032C58901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	71 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	4	C032C58901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	73 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	4	C032C58901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	64 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	4	C032C58901	EPA 8270-M	U	CHRYSENE	110 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	4	C032C58901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	15 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	4	C032C58901	EPA 8270-M	U	FLUORANTHENE	150 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	4	C032C58901	EPA 8270-M	U	FLUORENE	9 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	4	C032C58901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	54 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	4	C032C58901	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	4	C032C58901	EPA 8270-M	U	PHENANTHRENE	110 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-12	SB	REG	4	C032C58901	EPA 8270-M	U	PYRENE	250 UG/KG			000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-2	SB	REG	0	C032C54201	EPA 8270-M	U	2-METHYLNAPHTHALENE	12 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0	C032C54201	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0	C032C54201	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0	C032C54201	EPA 8270-M	U	ANTHRACENE	6.9 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0	C032C54201	EPA 8270-M	U	BENZ(A)ANTHRACENE	20 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0	C032C54201	EPA 8270-M	U	BENZO(A)PYRENE	43 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0	C032C54201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	63 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0	C032C54201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	83 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0	C032C54201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	48 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-2	SB	REG	0	C032C54201	EPA 8270-M	U	CHRYSENE	68 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0	C032C54201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	26 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0	C032C54201	EPA 8270-M	U	FLUORANTHENE	27 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0	C032C54201	EPA 8270-M	U	FLUORENE	1.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0	C032C54201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	25 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0	C032C54201	EPA 8270-M	U	NAPHTHALENE	11 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0	C032C54201	EPA 8270-M	U	PHENANTHRENE	25 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0	C032C54201	EPA 8270-M	U	PYRENE	41 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0.5	C032C54301	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0.5	C032C54301	EPA 8270-M	U	ACENAPHTHENE	3.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0.5	C032C54301	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0.5	C032C54301	EPA 8270-M	U	ANTHRACENE	12 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0.5	C032C54301	EPA 8270-M	U	BENZ(A)ANTHRACENE	32 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0.5	C032C54301	EPA 8270-M	U	BENZO(A)PYRENE	53 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0.5	C032C54301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	53 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0.5	C032C54301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	47 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0.5	C032C54301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	70 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0.5	C032C54301	EPA 8270-M	U	CHRYSENE	94 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0.5	C032C54301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0.5	C032C54301	EPA 8270-M	U	FLUORANTHENE	73 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0.5	C032C54301	EPA 8270-M	U	FLUORENE	4.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0.5	C032C54301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	36 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0.5	C032C54301	EPA 8270-M	U	NAPHTHALENE	3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0.5	C032C54301	EPA 8270-M	U	PHENANTHRENE	45 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	0.5	C032C54301	EPA 8270-M	U	PYRENE	91 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	2	C032C54401	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/5/2002
32EDC-21-2	SB	REG	2	C032C54401	EPA 8270-M	U	ACENAPHTHENE	2.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/5/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-2	SB	REG	2	C032C54401	EPA 8270-M	U	ACENAPHTHYLENE	10 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/5/2002
32EDC-21-2	SB	REG	2	C032C54401	EPA 8270-M	U	ANTHRACENE	9 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/5/2002
32EDC-21-2	SB	REG	2	C032C54401	EPA 8270-M	U	BENZ(A)ANTHRACENE	42 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/5/2002
32EDC-21-2	SB	REG	2	C032C54401	EPA 8270-M	U	BENZO(A)PYRENE	140 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/5/2002
32EDC-21-2	SB	REG	2	C032C54401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	110 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/5/2002
32EDC-21-2	SB	REG	2	C032C54401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	95 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/5/2002
32EDC-21-2	SB	REG	2	C032C54401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	64 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/5/2002
32EDC-21-2	SB	REG	2	C032C54401	EPA 8270-M	U	CHRYSENE	110 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/5/2002
32EDC-21-2	SB	REG	2	C032C54401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.6 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/5/2002
32EDC-21-2	SB	REG	2	C032C54401	EPA 8270-M	U	FLUORANTHENE	100 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/5/2002
32EDC-21-2	SB	REG	2	C032C54401	EPA 8270-M	U	FLUORENE	2.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/5/2002
32EDC-21-2	SB	REG	2	C032C54401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	53 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/5/2002
32EDC-21-2	SB	REG	2	C032C54401	EPA 8270-M	U	NAPHTHALENE	4.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/5/2002
32EDC-21-2	SB	REG	2	C032C54401	EPA 8270-M	U	PHENANTHRENE	28 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/5/2002
32EDC-21-2	SB	REG	2	C032C54401	EPA 8270-M	U	PYRENE	130 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/5/2002
32EDC-21-2	SB	REG	4	C032C54501	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.77 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	4	C032C54501	EPA 8270-M	U	ACENAPHTHENE	1.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	4	C032C54501	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	4	C032C54501	EPA 8270-M	U	ANTHRACENE	6.8 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	4	C032C54501	EPA 8270-M	U	BENZ(A)ANTHRACENE	37 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	4	C032C54501	EPA 8270-M	U	BENZO(A)PYRENE	53 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	4	C032C54501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	35 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	4	C032C54501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	45 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	4	C032C54501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	41 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	4	C032C54501	EPA 8270-M	U	CHRYSENE	47 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	4	C032C54501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	4	C032C54501	EPA 8270-M	U	FLUORANTHENE	67 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-2	SB	REG	4	C032C54501	EPA 8270-M	U	FLUORENE	6.6 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	4	C032C54501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	36 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	4	C032C54501	EPA 8270-M	U	NAPHTHALENE	1.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	4	C032C54501	EPA 8270-M	U	PHENANTHRENE	23 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-2	SB	REG	4	C032C54501	EPA 8270-M	U	PYRENE	100 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-3	SB	FD	0.5	C032C54801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.9 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	FD	0.5	C032C54801	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	FD	0.5	C032C54801	EPA 8270-M	U	ACENAPHTHYLENE	1.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	FD	0.5	C032C54801	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	FD	0.5	C032C54801	EPA 8270-M	U	BENZ(A)ANTHRACENE	20 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	FD	0.5	C032C54801	EPA 8270-M	U	BENZO(A)PYRENE	28 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	FD	0.5	C032C54801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	30 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	FD	0.5	C032C54801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	35 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	FD	0.5	C032C54801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	18 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	FD	0.5	C032C54801	EPA 8270-M	U	CHRYSENE	35 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	FD	0.5	C032C54801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.1 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	FD	0.5	C032C54801	EPA 8270-M	U	FLUORANTHENE	33 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	FD	0.5	C032C54801	EPA 8270-M	U	FLUORENE	1.8 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	FD	0.5	C032C54801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	27 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	FD	0.5	C032C54801	EPA 8270-M	U	NAPHTHALENE	6 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	FD	0.5	C032C54801	EPA 8270-M	U	PHENANTHRENE	24 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	FD	0.5	C032C54801	EPA 8270-M	U	PYRENE	37 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0	C032C54601	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0	C032C54601	EPA 8270-M	U	ACENAPHTHENE	3.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0	C032C54601	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0	C032C54601	EPA 8270-M	U	ANTHRACENE	11 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0	C032C54601	EPA 8270-M	U	BENZ(A)ANTHRACENE	57 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-3	SB	REG	0	C032C54601	EPA 8270-M	U	BENZO(A)PYRENE	82 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0	C032C54601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	67 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0	C032C54601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	72 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0	C032C54601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	55 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0	C032C54601	EPA 8270-M	U	CHRYSENE	81 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0	C032C54601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	13 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0	C032C54601	EPA 8270-M	U	FLUORANTHENE	140 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0	C032C54601	EPA 8270-M	U	FLUORENE	3.7 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0	C032C54601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	74 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0	C032C54601	EPA 8270-M	U	NAPHTHALENE	3.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0	C032C54601	EPA 8270-M	U	PHENANTHRENE	71 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0	C032C54601	EPA 8270-M	U	PYRENE	150 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0.5	C032C54701	EPA 8270-M	U	2-METHYLNAPHTHALENE	7.6 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0.5	C032C54701	EPA 8270-M	U	ACENAPHTHENE	1.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0.5	C032C54701	EPA 8270-M	U	ACENAPHTHYLENE	2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0.5	C032C54701	EPA 8270-M	U	ANTHRACENE	5.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0.5	C032C54701	EPA 8270-M	U	BENZ(A)ANTHRACENE	22 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0.5	C032C54701	EPA 8270-M	U	BENZO(A)PYRENE	33 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0.5	C032C54701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	35 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0.5	C032C54701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	41 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0.5	C032C54701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	21 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0.5	C032C54701	EPA 8270-M	U	CHRYSENE	40 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0.5	C032C54701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	8.6 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0.5	C032C54701	EPA 8270-M	U	FLUORANTHENE	33 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0.5	C032C54701	EPA 8270-M	U	FLUORENE	1.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0.5	C032C54701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	31 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0.5	C032C54701	EPA 8270-M	U	NAPHTHALENE	6.7 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-3	SB	REG	0.5	C032C54701	EPA 8270-M	U	PHENANTHRENE	21 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	0.5	C032C54701	EPA 8270-M	U	PYRENE	40 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	2	C032C54901	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	2	C032C54901	EPA 8270-M	U	ACENAPHTHENE	3.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	2	C032C54901	EPA 8270-M	U	ACENAPHTHYLENE	3.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	2	C032C54901	EPA 8270-M	U	ANTHRACENE	8.6 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	2	C032C54901	EPA 8270-M	U	BENZ(A)ANTHRACENE	52 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	2	C032C54901	EPA 8270-M	U	BENZO(A)PYRENE	86 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	2	C032C54901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	76 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	2	C032C54901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	96 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	2	C032C54901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	60 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	2	C032C54901	EPA 8270-M	U	CHRYSENE	78 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	2	C032C54901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	11 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	2	C032C54901	EPA 8270-M	U	FLUORANTHENE	130 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	2	C032C54901	EPA 8270-M	U	FLUORENE	3.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	2	C032C54901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	93 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	2	C032C54901	EPA 8270-M	U	NAPHTHALENE	6.3 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	2	C032C54901	EPA 8270-M	U	PHENANTHRENE	50 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	2	C032C54901	EPA 8270-M	U	PYRENE	150 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	4	C032C55001	EPA 8270-M	U	2-METHYLNAPHTHALENE	4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	4	C032C55001	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	4	C032C55001	EPA 8270-M	U	ACENAPHTHYLENE	20 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	4	C032C55001	EPA 8270-M	U	ANTHRACENE	31 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	4	C032C55001	EPA 8270-M	U	BENZ(A)ANTHRACENE	200 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	4	C032C55001	EPA 8270-M	U	BENZO(A)PYRENE	370 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	4	C032C55001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	250 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	4	C032C55001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	360 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002

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Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-3	SB	REG	4	C032C55001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	220 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	4	C032C55001	EPA 8270-M	U	CHRYSENE	250 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	4	C032C55001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	30 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	4	C032C55001	EPA 8270-M	U	FLUORANTHENE	530 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	4	C032C55001	EPA 8270-M	U	FLUORENE	6.5 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	4	C032C55001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	360 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	4	C032C55001	EPA 8270-M	U	NAPHTHALENE	20 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	4	C032C55001	EPA 8270-M	U	PHENANTHRENE	120 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-3	SB	REG	4	C032C55001	EPA 8270-M	U	PYRENE	650 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0	C032C55101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0	C032C55101	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0	C032C55101	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0	C032C55101	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0	C032C55101	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.5 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0	C032C55101	EPA 8270-M	U	BENZO(A)PYRENE	10 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0	C032C55101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	10 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0	C032C55101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	16 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0	C032C55101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.2 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0	C032C55101	EPA 8270-M	U	CHRYSENE	12 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0	C032C55101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0	C032C55101	EPA 8270-M	U	FLUORANTHENE	13 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0	C032C55101	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0	C032C55101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	11 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0	C032C55101	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0	C032C55101	EPA 8270-M	U	PHENANTHRENE	6.3 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0	C032C55101	EPA 8270-M	U	PYRENE	15 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0.5	C032C55201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-4	SB	REG	0.5	C032C55201	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0.5	C032C55201	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0.5	C032C55201	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0.5	C032C55201	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.8 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0.5	C032C55201	EPA 8270-M	U	BENZO(A)PYRENE	4.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0.5	C032C55201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.2 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0.5	C032C55201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.6 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0.5	C032C55201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.8 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0.5	C032C55201	EPA 8270-M	U	CHRYSENE	12 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0.5	C032C55201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0.5	C032C55201	EPA 8270-M	U	FLUORANTHENE	7 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0.5	C032C55201	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0.5	C032C55201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0.5	C032C55201	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0.5	C032C55201	EPA 8270-M	U	PHENANTHRENE	3.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	0.5	C032C55201	EPA 8270-M	U	PYRENE	9.2 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	2	C032C55301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	2	C032C55301	EPA 8270-M	U	ACENAPHTHENE	4.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	2	C032C55301	EPA 8270-M	U	ACENAPHTHYLENE	15 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	2	C032C55301	EPA 8270-M	U	ANTHRACENE	21 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	2	C032C55301	EPA 8270-M	U	BENZ(A)ANTHRACENE	160 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	2	C032C55301	EPA 8270-M	U	BENZO(A)PYRENE	220 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	2	C032C55301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	150 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	2	C032C55301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	180 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	2	C032C55301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	140 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	2	C032C55301	EPA 8270-M	U	CHRYSENE	200 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	2	C032C55301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	22 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-4	SB	REG	2	C032C55301	EPA 8270-M	U	FLUORANTHENE	370 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	2	C032C55301	EPA 8270-M	U	FLUORENE	2.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	2	C032C55301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	180 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	2	C032C55301	EPA 8270-M	U	NAPHTHALENE	7.5 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	2	C032C55301	EPA 8270-M	U	PHENANTHRENE	44 UG/KG		J	000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-4	SB	REG	2	C032C55301	EPA 8270-M	U	PYRENE	450 UG/KG			000 REG	5/29/2002	5/30/2002	5/31/2002
32EDC-21-5	SB	REG	0	C032C55501	EPA 8270-M	U	2-METHYLNAPHTHALENE	120 UG/KG			000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0	C032C55501	EPA 8270-M	U	ACENAPHTHENE	34 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0	C032C55501	EPA 8270-M	U	ACENAPHTHYLENE	55 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0	C032C55501	EPA 8270-M	U	ANTHRACENE	41 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0	C032C55501	EPA 8270-M	U	BENZ(A)ANTHRACENE	170 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0	C032C55501	EPA 8270-M	U	BENZO(A)PYRENE	180 UG/KG			000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0	C032C55501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	200 UG/KG			000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0	C032C55501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	120 UG/KG			000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0	C032C55501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	150 UG/KG			000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0	C032C55501	EPA 8270-M	U	CHRYSENE	450 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0	C032C55501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	52 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0	C032C55501	EPA 8270-M	U	FLUORANTHENE	260 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0	C032C55501	EPA 8270-M	U	FLUORENE	58 UG/KG			000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0	C032C55501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	71 UG/KG			000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0	C032C55501	EPA 8270-M	U	NAPHTHALENE	54 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0	C032C55501	EPA 8270-M	U	PHENANTHRENE	310 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0	C032C55501	EPA 8270-M	U	PYRENE	340 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0.5	C032C55601	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0.5	C032C55601	EPA 8270-M	U	ACENAPHTHENE	55 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0.5	C032C55601	EPA 8270-M	U	ACENAPHTHYLENE	55 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0.5	C032C55601	EPA 8270-M	U	ANTHRACENE	55 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	6/13/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-5	SB	REG	0.5	C032C55601	EPA 8270-M	U	BENZ(A)ANTHRACENE	18 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0.5	C032C55601	EPA 8270-M	U	BENZO(A)PYRENE	17 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0.5	C032C55601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	22 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0.5	C032C55601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	22 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0.5	C032C55601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	13 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0.5	C032C55601	EPA 8270-M	U	CHRYSENE	39 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0.5	C032C55601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0.5	C032C55601	EPA 8270-M	U	FLUORANTHENE	21 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0.5	C032C55601	EPA 8270-M	U	FLUORENE	55 UG/KG	U	U	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0.5	C032C55601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	13 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0.5	C032C55601	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0.5	C032C55601	EPA 8270-M	U	PHENANTHRENE	18 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-5	SB	REG	0.5	C032C55601	EPA 8270-M	U	PYRENE	32 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/13/2002
32EDC-21-6	SB	REG	0	C032C56001	EPA 8270-M	U	2-METHYLNAPHTHALENE	11 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0	C032C56001	EPA 8270-M	U	ACENAPHTHENE	4.6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0	C032C56001	EPA 8270-M	U	ACENAPHTHYLENE	2.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0	C032C56001	EPA 8270-M	U	ANTHRACENE	7.5 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0	C032C56001	EPA 8270-M	U	BENZ(A)ANTHRACENE	59 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0	C032C56001	EPA 8270-M	U	BENZO(A)PYRENE	82 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0	C032C56001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	150 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0	C032C56001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	91 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0	C032C56001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0	C032C56001	EPA 8270-M	U	CHRYSENE	190 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0	C032C56001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	25 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0	C032C56001	EPA 8270-M	U	FLUORANTHENE	81 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0	C032C56001	EPA 8270-M	U	FLUORENE	11 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0	C032C56001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	48 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002

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Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-6	SB	REG	0	C032C56001	EPA 8270-M	U	NAPHTHALENE	6.8 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0	C032C56001	EPA 8270-M	U	PHENANTHRENE	57 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0	C032C56001	EPA 8270-M	U	PYRENE	160 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0.5	C032C56101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0.5	C032C56101	EPA 8270-M	U	ACENAPHTHENE	1.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0.5	C032C56101	EPA 8270-M	U	ACENAPHTHYLENE	3.7 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0.5	C032C56101	EPA 8270-M	U	ANTHRACENE	11 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0.5	C032C56101	EPA 8270-M	U	BENZ(A)ANTHRACENE	64 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0.5	C032C56101	EPA 8270-M	U	BENZO(A)PYRENE	95 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0.5	C032C56101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	77 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0.5	C032C56101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	83 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0.5	C032C56101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	62 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0.5	C032C56101	EPA 8270-M	U	CHRYSENE	84 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0.5	C032C56101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9.4 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0.5	C032C56101	EPA 8270-M	U	FLUORANTHENE	160 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0.5	C032C56101	EPA 8270-M	U	FLUORENE	1.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0.5	C032C56101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	76 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0.5	C032C56101	EPA 8270-M	U	NAPHTHALENE	3.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0.5	C032C56101	EPA 8270-M	U	PHENANTHRENE	46 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	0.5	C032C56101	EPA 8270-M	U	PYRENE	220 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	2	C032C56201	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	2	C032C56201	EPA 8270-M	U	ACENAPHTHENE	2.5 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	2	C032C56201	EPA 8270-M	U	ACENAPHTHYLENE	1.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	2	C032C56201	EPA 8270-M	U	ANTHRACENE	4.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	2	C032C56201	EPA 8270-M	U	BENZ(A)ANTHRACENE	33 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	2	C032C56201	EPA 8270-M	U	BENZO(A)PYRENE	53 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	2	C032C56201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	55 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-6	SB	REG	2	C032C56201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	57 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	2	C032C56201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	32 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	2	C032C56201	EPA 8270-M	U	CHRYSENE	73 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	2	C032C56201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	2	C032C56201	EPA 8270-M	U	FLUORANTHENE	79 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	2	C032C56201	EPA 8270-M	U	FLUORENE	2.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	2	C032C56201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	45 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	2	C032C56201	EPA 8270-M	U	NAPHTHALENE	3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	2	C032C56201	EPA 8270-M	U	PHENANTHRENE	20 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-6	SB	REG	2	C032C56201	EPA 8270-M	U	PYRENE	110 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	2-METHYLNAPHTHALENE	9.6 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	ACENAPHTHENE	3.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	ACENAPHTHYLENE	39 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	ANTHRACENE	18 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	BENZ(A)ANTHRACENE	110 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	BENZO(A)PYRENE	230 UG/KG		R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	290 UG/KG	E	R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	200 UG/KG		R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	260 UG/KG		R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	CHRYSENE	170 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	40 UG/KG		R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	FLUORANTHENE	140 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	FLUORENE	3.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	120 UG/KG		R	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	NAPHTHALENE	10 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	PHENANTHRENE	65 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	PYRENE	170 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	2-METHYLNAPHTHALENE	12 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	ACENAPHTHENE	3.3 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	ACENAPHTHYLENE	41 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	ANTHRACENE	27 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	BENZ(A)ANTHRACENE	58 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	BENZO(A)PYRENE	150 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	230 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	81 UG/KG			DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	140 UG/KG			DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	CHRYSENE	250 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	33 UG/KG		J	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	FLUORANTHENE	150 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	FLUORENE	5.3 UG/KG	J	R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	100 UG/KG			DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	NAPHTHALENE	11 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	PHENANTHRENE	53 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-21-7	SB	REG	0	C032C56401	EPA 8270-M	U	PYRENE	160 UG/KG		R	DL1 REG	5/29/2002	5/30/2002	6/8/2002
32EDC-21-7	SB	REG	0.5	C032C56501	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0.5	C032C56501	EPA 8270-M	U	ACENAPHTHENE	1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0.5	C032C56501	EPA 8270-M	U	ACENAPHTHYLENE	2.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0.5	C032C56501	EPA 8270-M	U	ANTHRACENE	3.4 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0.5	C032C56501	EPA 8270-M	U	BENZ(A)ANTHRACENE	18 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0.5	C032C56501	EPA 8270-M	U	BENZO(A)PYRENE	28 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0.5	C032C56501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	34 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0.5	C032C56501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	42 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0.5	C032C56501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	26 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0.5	C032C56501	EPA 8270-M	U	CHRYSENE	26 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-7	SB	REG	0.5	C032C56501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0.5	C032C56501	EPA 8270-M	U	FLUORANTHENE	21 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0.5	C032C56501	EPA 8270-M	U	FLUORENE	1.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0.5	C032C56501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	14 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0.5	C032C56501	EPA 8270-M	U	NAPHTHALENE	4.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0.5	C032C56501	EPA 8270-M	U	PHENANTHRENE	13 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	0.5	C032C56501	EPA 8270-M	U	PYRENE	27 UG/KG			000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	2	C032C56601	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	2	C032C56601	EPA 8270-M	U	ACENAPHTHENE	1.2 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	2	C032C56601	EPA 8270-M	U	ACENAPHTHYLENE	10 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	2	C032C56601	EPA 8270-M	U	ANTHRACENE	8.5 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	2	C032C56601	EPA 8270-M	U	BENZ(A)ANTHRACENE	19 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	2	C032C56601	EPA 8270-M	U	BENZO(A)PYRENE	33 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	2	C032C56601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	36 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	2	C032C56601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	50 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	2	C032C56601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	36 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	2	C032C56601	EPA 8270-M	U	CHRYSENE	38 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	2	C032C56601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.2 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	2	C032C56601	EPA 8270-M	U	FLUORANTHENE	27 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	2	C032C56601	EPA 8270-M	U	FLUORENE	1.6 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	2	C032C56601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	27 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	2	C032C56601	EPA 8270-M	U	NAPHTHALENE	4.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	2	C032C56601	EPA 8270-M	U	PHENANTHRENE	16 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	2	C032C56601	EPA 8270-M	U	PYRENE	36 UG/KG		J	000 REG	5/29/2002	5/30/2002	6/2/2002
32EDC-21-7	SB	REG	4	C032C56701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/1/2002
32EDC-21-7	SB	REG	4	C032C56701	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/1/2002
32EDC-21-7	SB	REG	4	C032C56701	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/1/2002

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Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-7	SB	REG	4	C032C56701	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/1/2002
32EDC-21-7	SB	REG	4	C032C56701	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.86 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/1/2002
32EDC-21-7	SB	REG	4	C032C56701	EPA 8270-M	U	BENZO(A)PYRENE	1.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/1/2002
32EDC-21-7	SB	REG	4	C032C56701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/1/2002
32EDC-21-7	SB	REG	4	C032C56701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/1/2002
32EDC-21-7	SB	REG	4	C032C56701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/1/2002
32EDC-21-7	SB	REG	4	C032C56701	EPA 8270-M	U	CHRYSENE	1.3 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/1/2002
32EDC-21-7	SB	REG	4	C032C56701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	R	000 REG	5/29/2002	5/30/2002	6/1/2002
32EDC-21-7	SB	REG	4	C032C56701	EPA 8270-M	U	FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/1/2002
32EDC-21-7	SB	REG	4	C032C56701	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/1/2002
32EDC-21-7	SB	REG	4	C032C56701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.5 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/1/2002
32EDC-21-7	SB	REG	4	C032C56701	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	UJ	000 REG	5/29/2002	5/30/2002	6/1/2002
32EDC-21-7	SB	REG	4	C032C56701	EPA 8270-M	U	PHENANTHRENE	0.65 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/1/2002
32EDC-21-7	SB	REG	4	C032C56701	EPA 8270-M	U	PYRENE	2.9 UG/KG	J	J	000 REG	5/29/2002	5/30/2002	6/1/2002
32EDC-21-8	SB	FD	0.5	C032C57001	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.5 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	FD	0.5	C032C57001	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	FD	0.5	C032C57001	EPA 8270-M	U	ACENAPHTHYLENE	1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	FD	0.5	C032C57001	EPA 8270-M	U	ANTHRACENE	1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	FD	0.5	C032C57001	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	FD	0.5	C032C57001	EPA 8270-M	U	BENZO(A)PYRENE	8.2 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	FD	0.5	C032C57001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	9.4 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	FD	0.5	C032C57001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.3 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	FD	0.5	C032C57001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.5 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	FD	0.5	C032C57001	EPA 8270-M	U	CHRYSENE	15 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	FD	0.5	C032C57001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.6 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	FD	0.5	C032C57001	EPA 8270-M	U	FLUORANTHENE	8.7 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	FD	0.5	C032C57001	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-8	SB	FD	0.5	C032C57001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.2 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	FD	0.5	C032C57001	EPA 8270-M	U	NAPHTHALENE	0.93 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	FD	0.5	C032C57001	EPA 8270-M	U	PHENANTHRENE	6.3 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	FD	0.5	C032C57001	EPA 8270-M	U	PYRENE	15 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0	C032C56801	EPA 8270-M	U	2-METHYLNAPHTHALENE	50 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0	C032C56801	EPA 8270-M	U	ACENAPHTHENE	16 UG/KG	JG	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0	C032C56801	EPA 8270-M	U	ACENAPHTHYLENE	54 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0	C032C56801	EPA 8270-M	U	ANTHRACENE	24 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0	C032C56801	EPA 8270-M	U	BENZ(A)ANTHRACENE	84 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0	C032C56801	EPA 8270-M	U	BENZO(A)PYRENE	96 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0	C032C56801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	120 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0	C032C56801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	86 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0	C032C56801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	62 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0	C032C56801	EPA 8270-M	U	CHRYSENE	240 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0	C032C56801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	42 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0	C032C56801	EPA 8270-M	U	FLUORANTHENE	170 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0	C032C56801	EPA 8270-M	U	FLUORENE	22 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0	C032C56801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	58 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0	C032C56801	EPA 8270-M	U	NAPHTHALENE	18 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0	C032C56801	EPA 8270-M	U	PHENANTHRENE	150 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0	C032C56801	EPA 8270-M	U	PYRENE	220 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0.5	C032C56901	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0.5	C032C56901	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0.5	C032C56901	EPA 8270-M	U	ACENAPHTHYLENE	1.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0.5	C032C56901	EPA 8270-M	U	ANTHRACENE	1.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0.5	C032C56901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0.5	C032C56901	EPA 8270-M	U	BENZO(A)PYRENE	8.8 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-8	SB	REG	0.5	C032C56901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	12 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0.5	C032C56901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	9.1 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0.5	C032C56901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0.5	C032C56901	EPA 8270-M	U	CHRYSENE	21 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0.5	C032C56901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.5 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0.5	C032C56901	EPA 8270-M	U	FLUORANTHENE	11 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0.5	C032C56901	EPA 8270-M	U	FLUORENE	1.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0.5	C032C56901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.6 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0.5	C032C56901	EPA 8270-M	U	NAPHTHALENE	1.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0.5	C032C56901	EPA 8270-M	U	PHENANTHRENE	8.1 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	0.5	C032C56901	EPA 8270-M	U	PYRENE	18 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	2	C032C57101	EPA 8270-M	U	2-METHYLNAPHTHALENE	31 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	2	C032C57101	EPA 8270-M	U	ACENAPHTHENE	54 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	2	C032C57101	EPA 8270-M	U	ACENAPHTHYLENE	54 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	2	C032C57101	EPA 8270-M	U	ANTHRACENE	9.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	2	C032C57101	EPA 8270-M	U	BENZ(A)ANTHRACENE	30 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	2	C032C57101	EPA 8270-M	U	BENZO(A)PYRENE	31 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	2	C032C57101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	48 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	2	C032C57101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	35 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	2	C032C57101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	18 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	2	C032C57101	EPA 8270-M	U	CHRYSENE	96 UG/KG			000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	2	C032C57101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	22 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	2	C032C57101	EPA 8270-M	U	FLUORANTHENE	60 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	2	C032C57101	EPA 8270-M	U	FLUORENE	54 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	2	C032C57101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	21 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	2	C032C57101	EPA 8270-M	U	NAPHTHALENE	14 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	2	C032C57101	EPA 8270-M	U	PHENANTHRENE	59 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/2/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-8	SB	REG	2	C032C57101	EPA 8270-M	U	PYRENE	81 UG/KG		J	000 REG	5/30/2002	5/31/2002	6/2/2002
32EDC-21-8	SB	REG	4	C032C57201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-8	SB	REG	4	C032C57201	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-8	SB	REG	4	C032C57201	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-8	SB	REG	4	C032C57201	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-8	SB	REG	4	C032C57201	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.42 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-8	SB	REG	4	C032C57201	EPA 8270-M	U	BENZO(A)PYRENE	0.55 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-8	SB	REG	4	C032C57201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.67 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-8	SB	REG	4	C032C57201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.95 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-8	SB	REG	4	C032C57201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.37 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-8	SB	REG	4	C032C57201	EPA 8270-M	U	CHRYSENE	1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-8	SB	REG	4	C032C57201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.25 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-8	SB	REG	4	C032C57201	EPA 8270-M	U	FLUORANTHENE	0.56 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-8	SB	REG	4	C032C57201	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-8	SB	REG	4	C032C57201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.79 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-8	SB	REG	4	C032C57201	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-8	SB	REG	4	C032C57201	EPA 8270-M	U	PHENANTHRENE	0.86 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-8	SB	REG	4	C032C57201	EPA 8270-M	U	PYRENE	0.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/3/2002
32EDC-21-9	SB	REG	0	C032C57301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0	C032C57301	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0	C032C57301	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0	C032C57301	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0	C032C57301	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0	C032C57301	EPA 8270-M	U	BENZO(A)PYRENE	4.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0	C032C57301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0	C032C57301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0	C032C57301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002

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Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-9	SB	REG	0	C032C57301	EPA 8270-M	U	CHRYSENE	6.2 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0	C032C57301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0	C032C57301	EPA 8270-M	U	FLUORANTHENE	8.9 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0	C032C57301	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0	C032C57301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0	C032C57301	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0	C032C57301	EPA 8270-M	U	PHENANTHRENE	2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0	C032C57301	EPA 8270-M	U	PYRENE	10 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0.5	C032C57401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0.5	C032C57401	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0.5	C032C57401	EPA 8270-M	U	ACENAPHTHYLENE	3.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0.5	C032C57401	EPA 8270-M	U	ANTHRACENE	2.7 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0.5	C032C57401	EPA 8270-M	U	BENZ(A)ANTHRACENE	29 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0.5	C032C57401	EPA 8270-M	U	BENZO(A)PYRENE	43 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0.5	C032C57401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	39 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0.5	C032C57401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	38 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0.5	C032C57401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	26 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0.5	C032C57401	EPA 8270-M	U	CHRYSENE	47 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0.5	C032C57401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.8 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0.5	C032C57401	EPA 8270-M	U	FLUORANTHENE	41 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0.5	C032C57401	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0.5	C032C57401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	30 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0.5	C032C57401	EPA 8270-M	U	NAPHTHALENE	2.7 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0.5	C032C57401	EPA 8270-M	U	PHENANTHRENE	17 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	0.5	C032C57401	EPA 8270-M	U	PYRENE	73 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	2	C032C57501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	2	C032C57501	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002

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Facility: ALAMEDA

Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-9	SB	REG	2	C032C57501	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	2	C032C57501	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	2	C032C57501	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	2	C032C57501	EPA 8270-M	U	BENZO(A)PYRENE	4.5 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	2	C032C57501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	2	C032C57501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.9 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	2	C032C57501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	2	C032C57501	EPA 8270-M	U	CHRYSENE	5.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	2	C032C57501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	2	C032C57501	EPA 8270-M	U	FLUORANTHENE	4.1 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	2	C032C57501	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	2	C032C57501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.4 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	2	C032C57501	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	2	C032C57501	EPA 8270-M	U	PHENANTHRENE	1.8 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	2	C032C57501	EPA 8270-M	U	PYRENE	6.3 UG/KG			000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	4	C032C57601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	4	C032C57601	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	4	C032C57601	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	4	C032C57601	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	4	C032C57601	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	4	C032C57601	EPA 8270-M	U	BENZO(A)PYRENE	2.9 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	4	C032C57601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	4	C032C57601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.7 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	4	C032C57601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	4	C032C57601	EPA 8270-M	U	CHRYSENE	3.2 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	4	C032C57601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	4	C032C57601	EPA 8270-M	U	FLUORANTHENE	3.3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: EDC21 TRANSFER PARCEL EDC-21

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32EDC-21-9	SB	REG	4	C032C57601	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	4	C032C57601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	4	C032C57601	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	4	C032C57601	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	U	000 REG	5/30/2002	5/31/2002	6/1/2002
32EDC-21-9	SB	REG	4	C032C57601	EPA 8270-M	U	PYRENE	5 UG/KG	J	J	000 REG	5/30/2002	5/31/2002	6/1/2002

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Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
Pay Item : PAH'S USING METHOD 8270C WITH SIM														
FQC	BW	ER		C032CR0101	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.0035 UG/L	J	J	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	ER		C032CR0101	EPA 8270-M	U	ACENAPHTHENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	ER		C032CR0101	EPA 8270-M	U	ACENAPHTHYLENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	ER		C032CR0101	EPA 8270-M	U	ANTHRACENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	ER		C032CR0101	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	ER		C032CR0101	EPA 8270-M	U	BENZO(A)PYRENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	ER		C032CR0101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	ER		C032CR0101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	ER		C032CR0101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	ER		C032CR0101	EPA 8270-M	U	CHRYSENE	0.0013 UG/L	J	J	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	ER		C032CR0101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.0018 UG/L	J	J	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	ER		C032CR0101	EPA 8270-M	U	FLUORANTHENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	ER		C032CR0101	EPA 8270-M	U	FLUORENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	ER		C032CR0101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	ER		C032CR0101	EPA 8270-M	U	NAPHTHALENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	ER		C032CR0101	EPA 8270-M	U	PHENANTHRENE	0.0056 UG/L	J	J	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	ER		C032CR0101	EPA 8270-M	U	PYRENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	ER		C032CR0301	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.003 UG/L	J	J	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0301	EPA 8270-M	U	ACENAPHTHENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0301	EPA 8270-M	U	ACENAPHTHYLENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0301	EPA 8270-M	U	ANTHRACENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0301	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0301	EPA 8270-M	U	BENZO(A)PYRENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
FQC	BW	ER		C032CR0301	EPA 8270-M	U	CHRYSENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0301	EPA 8270-M	U	FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0301	EPA 8270-M	U	FLUORENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0301	EPA 8270-M	U	NAPHTHALENE	0.0058 UG/L	J	J	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0301	EPA 8270-M	U	PHENANTHRENE	0.0036 UG/L	J	J	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0301	EPA 8270-M	U	PYRENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0401	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0401	EPA 8270-M	U	ACENAPHTHENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0401	EPA 8270-M	U	ACENAPHTHYLENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0401	EPA 8270-M	U	ANTHRACENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0401	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0401	EPA 8270-M	U	BENZO(A)PYRENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0401	EPA 8270-M	U	CHRYSENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0401	EPA 8270-M	U	FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0401	EPA 8270-M	U	FLUORENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0401	EPA 8270-M	U	NAPHTHALENE	0.0047 UG/L	J	J	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0401	EPA 8270-M	U	PHENANTHRENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0401	EPA 8270-M	U	PYRENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0502	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0502	EPA 8270-M	U	ACENAPHTHENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
FQC	BW	ER		C032CR0502	EPA 8270-M	U	ACENAPHTHYLENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0502	EPA 8270-M	U	ANTHRACENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0502	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0502	EPA 8270-M	U	BENZO(A)PYRENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0502	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0502	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0502	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0502	EPA 8270-M	U	CHRYSENE	0.02 UG/L	J	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0502	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0502	EPA 8270-M	U	FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0502	EPA 8270-M	U	FLUORENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0502	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0502	EPA 8270-M	U	NAPHTHALENE	0.0036 UG/L	J	J	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0502	EPA 8270-M	U	PHENANTHRENE	0.0086 UG/L	J	J	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR0502	EPA 8270-M	U	PYRENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	ER		C032CR1201	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1201	EPA 8270-M	U	ACENAPHTHENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1201	EPA 8270-M	U	ACENAPHTHYLENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1201	EPA 8270-M	U	ANTHRACENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1201	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1201	EPA 8270-M	U	BENZO(A)PYRENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1201	EPA 8270-M	U	CHRYSENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1201	EPA 8270-M	U	FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
FQC	BW	ER		C032CR1201	EPA 8270-M	U	FLUORENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1201	EPA 8270-M	U	NAPHTHALENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1201	EPA 8270-M	U	PHENANTHRENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1201	EPA 8270-M	U	PYRENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1301	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1301	EPA 8270-M	U	ACENAPHTHENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1301	EPA 8270-M	U	ACENAPHTHYLENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1301	EPA 8270-M	U	ANTHRACENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1301	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1301	EPA 8270-M	U	BENZO(A)PYRENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1301	EPA 8270-M	U	CHRYSENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1301	EPA 8270-M	U	FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1301	EPA 8270-M	U	FLUORENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1301	EPA 8270-M	U	NAPHTHALENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1301	EPA 8270-M	U	PHENANTHRENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1301	EPA 8270-M	U	PYRENE	0.25 UG/L	U	U	000 REG	5/21/2002	5/24/2002	5/28/2002
FQC	BW	ER		C032CR1401	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1401	EPA 8270-M	U	ACENAPHTHENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1401	EPA 8270-M	U	ACENAPHTHYLENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1401	EPA 8270-M	U	ANTHRACENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1401	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
FQC	BW	ER		C032CR1401	EPA 8270-M	U	BENZO(A)PYRENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1401	EPA 8270-M	U	CHRYSENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1401	EPA 8270-M	U	FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1401	EPA 8270-M	U	FLUORENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1401	EPA 8270-M	U	NAPHTHALENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1401	EPA 8270-M	U	PHENANTHRENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1401	EPA 8270-M	U	PYRENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1501	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1501	EPA 8270-M	U	ACENAPHTHENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1501	EPA 8270-M	U	ACENAPHTHYLENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1501	EPA 8270-M	U	ANTHRACENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1501	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1501	EPA 8270-M	U	BENZO(A)PYRENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1501	EPA 8270-M	U	CHRYSENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1501	EPA 8270-M	U	FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1501	EPA 8270-M	U	FLUORENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1501	EPA 8270-M	U	NAPHTHALENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
FQC	BW	ER		C032CR1501	EPA 8270-M	U	PHENANTHRENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1501	EPA 8270-M	U	PYRENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1601	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1601	EPA 8270-M	U	ACENAPHTHENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1601	EPA 8270-M	U	ACENAPHTHYLENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1601	EPA 8270-M	U	ANTHRACENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1601	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1601	EPA 8270-M	U	BENZO(A)PYRENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1601	EPA 8270-M	U	CHRYSENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1601	EPA 8270-M	U	FLUORANTHENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1601	EPA 8270-M	U	FLUORENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1601	EPA 8270-M	U	NAPHTHALENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1601	EPA 8270-M	U	PHENANTHRENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	ER		C032CR1601	EPA 8270-M	U	PYRENE	0.25 UG/L	U	U	000 REG	5/22/2002	5/24/2002	5/29/2002
FQC	BW	SMQC		C032CF0101	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	SMQC		C032CF0101	EPA 8270-M	U	ACENAPHTHENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	SMQC		C032CF0101	EPA 8270-M	U	ACENAPHTHYLENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	SMQC		C032CF0101	EPA 8270-M	U	ANTHRACENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	SMQC		C032CF0101	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	SMQC		C032CF0101	EPA 8270-M	U	BENZO(A)PYRENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	SMQC		C032CF0101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	SMQC		C032CF0101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
FQC	BW	SMQC		C032CF0101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.0016 UG/L	J	J	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	SMQC		C032CF0101	EPA 8270-M	U	CHRYSENE	0.0017 UG/L	J	J	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	SMQC		C032CF0101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.0025 UG/L	J	J	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	SMQC		C032CF0101	EPA 8270-M	U	FLUORANTHENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	SMQC		C032CF0101	EPA 8270-M	U	FLUORENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	SMQC		C032CF0101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.0029 UG/L	J	J	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	SMQC		C032CF0101	EPA 8270-M	U	NAPHTHALENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	SMQC		C032CF0101	EPA 8270-M	U	PHENANTHRENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	SMQC		C032CF0101	EPA 8270-M	U	PYRENE	0.02 UG/L	U	U	000 REG	4/27/2002	4/30/2002	5/6/2002
FQC	BW	SMQC		C032CF0202	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	SMQC		C032CF0202	EPA 8270-M	U	ACENAPHTHENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	SMQC		C032CF0202	EPA 8270-M	U	ACENAPHTHYLENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	SMQC		C032CF0202	EPA 8270-M	U	ANTHRACENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	SMQC		C032CF0202	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	SMQC		C032CF0202	EPA 8270-M	U	BENZO(A)PYRENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	SMQC		C032CF0202	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	SMQC		C032CF0202	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	SMQC		C032CF0202	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	SMQC		C032CF0202	EPA 8270-M	U	CHRYSENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	SMQC		C032CF0202	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	SMQC		C032CF0202	EPA 8270-M	U	FLUORANTHENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	SMQC		C032CF0202	EPA 8270-M	U	FLUORENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	SMQC		C032CF0202	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	SMQC		C032CF0202	EPA 8270-M	U	NAPHTHALENE	0.0042 UG/L	J	J	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	SMQC		C032CF0202	EPA 8270-M	U	PHENANTHRENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002
FQC	BW	SMQC		C032CF0202	EPA 8270-M	U	PYRENE	0.02 UG/L	U	U	000 REG	5/13/2002	5/20/2002	5/22/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-1	SB	REG	0	C032C03701	EPA 8270-M	U	2-METHYLNAPHTHALENE	7.3 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	0	C032C03701	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	0	C032C03701	EPA 8270-M	U	ACENAPHTHYLENE	1.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	0	C032C03701	EPA 8270-M	U	ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	0	C032C03701	EPA 8270-M	U	BENZ(A)ANTHRACENE	17 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	0	C032C03701	EPA 8270-M	U	BENZO(A)PYRENE	33 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	0	C032C03701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	32 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	0	C032C03701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	88 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	0	C032C03701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	15 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	0	C032C03701	EPA 8270-M	U	CHRYSENE	82 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	0	C032C03701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	18 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	0	C032C03701	EPA 8270-M	U	FLUORANTHENE	24 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	0	C032C03701	EPA 8270-M	U	FLUORENE	2.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	0	C032C03701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	29 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	0	C032C03701	EPA 8270-M	U	NAPHTHALENE	3.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	0	C032C03701	EPA 8270-M	U	PHENANTHRENE	14 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	0	C032C03701	EPA 8270-M	U	PYRENE	40 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	0.5	C032C03801	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.8 UG/KG	J	J	000 REG	5/13/2002	5/16/2002	5/17/2002
32FED-1A-1	SB	REG	0.5	C032C03801	EPA 8270-M	U	ACENAPHTHENE	1.6 UG/KG	J	J	000 REG	5/13/2002	5/16/2002	5/17/2002
32FED-1A-1	SB	REG	0.5	C032C03801	EPA 8270-M	U	ACENAPHTHYLENE	3.6 UG/KG	J	J	000 REG	5/13/2002	5/16/2002	5/17/2002
32FED-1A-1	SB	REG	0.5	C032C03801	EPA 8270-M	U	ANTHRACENE	9.7 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002
32FED-1A-1	SB	REG	0.5	C032C03801	EPA 8270-M	U	BENZ(A)ANTHRACENE	24 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002
32FED-1A-1	SB	REG	0.5	C032C03801	EPA 8270-M	U	BENZO(A)PYRENE	33 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002
32FED-1A-1	SB	REG	0.5	C032C03801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	43 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002
32FED-1A-1	SB	REG	0.5	C032C03801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	38 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002
32FED-1A-1	SB	REG	0.5	C032C03801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	11 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002
32FED-1A-1	SB	REG	0.5	C032C03801	EPA 8270-M	U	CHRYSENE	34 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-1	SB	REG	0.5	C032C03801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.5 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002
32FED-1A-1	SB	REG	0.5	C032C03801	EPA 8270-M	U	FLUORANTHENE	44 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002
32FED-1A-1	SB	REG	0.5	C032C03801	EPA 8270-M	U	FLUORENE	3.2 UG/KG	J	J	000 REG	5/13/2002	5/16/2002	5/17/2002
32FED-1A-1	SB	REG	0.5	C032C03801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	35 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002
32FED-1A-1	SB	REG	0.5	C032C03801	EPA 8270-M	U	NAPHTHALENE	4.9 UG/KG	J	J	000 REG	5/13/2002	5/16/2002	5/17/2002
32FED-1A-1	SB	REG	0.5	C032C03801	EPA 8270-M	U	PHENANTHRENE	24 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002
32FED-1A-1	SB	REG	0.5	C032C03801	EPA 8270-M	U	PYRENE	48 UG/KG			000 REG	5/13/2002	5/16/2002	5/17/2002
32FED-1A-1	SB	REG	2	C032C03901	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	2	C032C03901	EPA 8270-M	U	ACENAPHTHENE	2.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	2	C032C03901	EPA 8270-M	U	ACENAPHTHYLENE	6.5 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	2	C032C03901	EPA 8270-M	U	ANTHRACENE	21 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	2	C032C03901	EPA 8270-M	U	BENZ(A)ANTHRACENE	30 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	2	C032C03901	EPA 8270-M	U	BENZO(A)PYRENE	53 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	2	C032C03901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	55 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	2	C032C03901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	53 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	2	C032C03901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	18 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	2	C032C03901	EPA 8270-M	U	CHRYSENE	43 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	2	C032C03901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	8.1 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	2	C032C03901	EPA 8270-M	U	FLUORANTHENE	58 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	2	C032C03901	EPA 8270-M	U	FLUORENE	4.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	2	C032C03901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	52 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	2	C032C03901	EPA 8270-M	U	NAPHTHALENE	4.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	2	C032C03901	EPA 8270-M	U	PHENANTHRENE	24 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	2	C032C03901	EPA 8270-M	U	PYRENE	74 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	4	C032C04001	EPA 8270-M	U	2-METHYLNAPHTHALENE	23 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	4	C032C04001	EPA 8270-M	U	ACENAPHTHENE	8.6 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	4	C032C04001	EPA 8270-M	U	ACENAPHTHYLENE	2.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-1	SB	REG	4	C032C04001	EPA 8270-M	U	ANTHRACENE	4.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	4	C032C04001	EPA 8270-M	U	BENZ(A)ANTHRACENE	16 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	4	C032C04001	EPA 8270-M	U	BENZO(A)PYRENE	21 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	4	C032C04001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	22 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	4	C032C04001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	29 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	4	C032C04001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	14 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	4	C032C04001	EPA 8270-M	U	CHRYSENE	42 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	4	C032C04001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	4	C032C04001	EPA 8270-M	U	FLUORANTHENE	32 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	4	C032C04001	EPA 8270-M	U	FLUORENE	17 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	4	C032C04001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	19 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	4	C032C04001	EPA 8270-M	U	NAPHTHALENE	34 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	4	C032C04001	EPA 8270-M	U	PHENANTHRENE	40 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-1	SB	REG	4	C032C04001	EPA 8270-M	U	PYRENE	53 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-10	SB	FD	4	C032C08001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	FD	4	C032C08001	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	FD	4	C032C08001	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	FD	4	C032C08001	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	FD	4	C032C08001	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	FD	4	C032C08001	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	FD	4	C032C08001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	FD	4	C032C08001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	FD	4	C032C08001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	FD	4	C032C08001	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	FD	4	C032C08001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	FD	4	C032C08001	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	FD	4	C032C08001	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-10	SB	FD	4	C032C08001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	FD	4	C032C08001	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	FD	4	C032C08001	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	FD	4	C032C08001	EPA 8270-M	U	PYRENE	6.2 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0	C032C07601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0	C032C07601	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0	C032C07601	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0	C032C07601	EPA 8270-M	U	ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0	C032C07601	EPA 8270-M	U	BENZ(A)ANTHRACENE	3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0	C032C07601	EPA 8270-M	U	BENZO(A)PYRENE	4.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0	C032C07601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0	C032C07601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0	C032C07601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0	C032C07601	EPA 8270-M	U	CHRYSENE	5.9 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0	C032C07601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0	C032C07601	EPA 8270-M	U	FLUORANTHENE	6.7 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0	C032C07601	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0	C032C07601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0	C032C07601	EPA 8270-M	U	NAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0	C032C07601	EPA 8270-M	U	PHENANTHRENE	3.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0	C032C07601	EPA 8270-M	U	PYRENE	6.7 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0.5	C032C07701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0.5	C032C07701	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0.5	C032C07701	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0.5	C032C07701	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0.5	C032C07701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0.5	C032C07701	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-10	SB	REG	0.5	C032C07701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0.5	C032C07701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0.5	C032C07701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0.5	C032C07701	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0.5	C032C07701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0.5	C032C07701	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0.5	C032C07701	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0.5	C032C07701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0.5	C032C07701	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0.5	C032C07701	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	0.5	C032C07701	EPA 8270-M	U	PYRENE	5.6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	2	C032C07801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	2	C032C07801	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	2	C032C07801	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	2	C032C07801	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	2	C032C07801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	2	C032C07801	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	2	C032C07801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	2	C032C07801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	2	C032C07801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	2	C032C07801	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	2	C032C07801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	2	C032C07801	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	2	C032C07801	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	2	C032C07801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.65 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	2	C032C07801	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	2	C032C07801	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-10	SB	REG	2	C032C07801	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	4	C032C07901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	4	C032C07901	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	4	C032C07901	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	4	C032C07901	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	4	C032C07901	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	4	C032C07901	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	4	C032C07901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	4	C032C07901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	4	C032C07901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	4	C032C07901	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	4	C032C07901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	4	C032C07901	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	4	C032C07901	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	4	C032C07901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	4	C032C07901	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	4	C032C07901	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-10	SB	REG	4	C032C07901	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0	C032C08101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0	C032C08101	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0	C032C08101	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0	C032C08101	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0	C032C08101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0	C032C08101	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0	C032C08101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0	C032C08101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0	C032C08101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-11	SB	REG	0	C032C08101	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0	C032C08101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0	C032C08101	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0	C032C08101	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0	C032C08101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0	C032C08101	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0	C032C08101	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0	C032C08101	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0.5	C032C08201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0.5	C032C08201	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0.5	C032C08201	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0.5	C032C08201	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0.5	C032C08201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0.5	C032C08201	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0.5	C032C08201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0.5	C032C08201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0.5	C032C08201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0.5	C032C08201	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0.5	C032C08201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0.5	C032C08201	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0.5	C032C08201	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0.5	C032C08201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0.5	C032C08201	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0.5	C032C08201	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	0.5	C032C08201	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	2	C032C08301	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.5 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	2	C032C08301	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-11	SB	REG	2	C032C08301	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	2	C032C08301	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	2	C032C08301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	2	C032C08301	EPA 8270-M	U	BENZO(A)PYRENE	2.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	2	C032C08301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	2	C032C08301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.3 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	2	C032C08301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	2	C032C08301	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	2	C032C08301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	2	C032C08301	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	2	C032C08301	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	2	C032C08301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	2	C032C08301	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	2	C032C08301	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	2	C032C08301	EPA 8270-M	U	PYRENE	3.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	4	C032C08401	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	4	C032C08401	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	4	C032C08401	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	4	C032C08401	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	4	C032C08401	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	4	C032C08401	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	4	C032C08401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	4	C032C08401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	4	C032C08401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	4	C032C08401	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	4	C032C08401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	4	C032C08401	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-11	SB	REG	4	C032C08401	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	4	C032C08401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	4	C032C08401	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	4	C032C08401	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-11	SB	REG	4	C032C08401	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-12	SB	REG	0	C032C08501	EPA 8270-M	U	2-METHYLNAPHTHALENE	85 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	0	C032C08501	EPA 8270-M	U	ACENAPHTHENE	1.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	0	C032C08501	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	0	C032C08501	EPA 8270-M	U	ANTHRACENE	6 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	0	C032C08501	EPA 8270-M	U	BENZ(A)ANTHRACENE	20 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	0	C032C08501	EPA 8270-M	U	BENZO(A)PYRENE	10 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	0	C032C08501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	31 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	0	C032C08501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	67 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	0	C032C08501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	0	C032C08501	EPA 8270-M	U	CHRYSENE	58 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	0	C032C08501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.4 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	0	C032C08501	EPA 8270-M	U	FLUORANTHENE	17 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	0	C032C08501	EPA 8270-M	U	FLUORENE	53 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	0	C032C08501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.1 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	0	C032C08501	EPA 8270-M	U	NAPHTHALENE	55 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	0	C032C08501	EPA 8270-M	U	PHENANTHRENE	230 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	0	C032C08501	EPA 8270-M	U	PYRENE	71 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	0.5	C032C08601	EPA 8270-M	U	2-METHYLNAPHTHALENE	54 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	0.5	C032C08601	EPA 8270-M	U	ACENAPHTHENE	54 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	0.5	C032C08601	EPA 8270-M	U	ACENAPHTHYLENE	54 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	0.5	C032C08601	EPA 8270-M	U	ANTHRACENE	54 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	0.5	C032C08601	EPA 8270-M	U	BENZ(A)ANTHRACENE	54 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-12	SB	REG	0.5	C032C08601	EPA 8270-M	U	BENZO(A)PYRENE	54 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	0.5	C032C08601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	54 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	0.5	C032C08601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	13 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	0.5	C032C08601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	54 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	0.5	C032C08601	EPA 8270-M	U	CHRYSENE	16 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	0.5	C032C08601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	8.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	0.5	C032C08601	EPA 8270-M	U	FLUORANTHENE	54 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	0.5	C032C08601	EPA 8270-M	U	FLUORENE	54 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	0.5	C032C08601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	54 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	0.5	C032C08601	EPA 8270-M	U	NAPHTHALENE	54 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	0.5	C032C08601	EPA 8270-M	U	PHENANTHRENE	3.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	0.5	C032C08601	EPA 8270-M	U	PYRENE	54 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	ACENAPHTHYLENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	ANTHRACENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	BENZO(A)PYRENE	3.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	CHRYSENE	3.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	FLUORANTHENE	1.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	FLUORENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	NAPHTHALENE	1.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	PYRENE	2.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.1 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	ACENAPHTHENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	ACENAPHTHYLENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	ANTHRACENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.5 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	BENZO(A)PYRENE	6.4 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	10 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	CHRYSENE	5 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.1 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	FLUORANTHENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	FLUORENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	NAPHTHALENE	4.2 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	PHENANTHRENE	7 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	2	C032C08701	EPA 8270-M	U	PYRENE	5 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-12	SB	REG	4	C032C08801	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.44 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	4	C032C08801	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	4	C032C08801	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	4	C032C08801	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	4	C032C08801	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.41 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	4	C032C08801	EPA 8270-M	U	BENZO(A)PYRENE	0.56 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	4	C032C08801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	4	C032C08801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-12	SB	REG	4	C032C08801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.72 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	4	C032C08801	EPA 8270-M	U	CHRYSENE	0.41 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	4	C032C08801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	4	C032C08801	EPA 8270-M	U	FLUORANTHENE	0.53 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	4	C032C08801	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	4	C032C08801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.92 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	4	C032C08801	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	4	C032C08801	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-12	SB	REG	4	C032C08801	EPA 8270-M	U	PYRENE	0.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-13	SB	FD	0.5	C032C09101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	FD	0.5	C032C09101	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	FD	0.5	C032C09101	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	FD	0.5	C032C09101	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	FD	0.5	C032C09101	EPA 8270-M	U	BENZ(A)ANTHRACENE	22 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	FD	0.5	C032C09101	EPA 8270-M	U	BENZO(A)PYRENE	27 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	FD	0.5	C032C09101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	37 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	FD	0.5	C032C09101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	29 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	FD	0.5	C032C09101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	26 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	FD	0.5	C032C09101	EPA 8270-M	U	CHRYSENE	30 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	FD	0.5	C032C09101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	FD	0.5	C032C09101	EPA 8270-M	U	FLUORANTHENE	35 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	FD	0.5	C032C09101	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	FD	0.5	C032C09101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	28 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	FD	0.5	C032C09101	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	FD	0.5	C032C09101	EPA 8270-M	U	PHENANTHRENE	8.4 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	FD	0.5	C032C09101	EPA 8270-M	U	PYRENE	38 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0	C032C08901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-13	SB	REG	0	C032C08901	EPA 8270-M	U	ACENAPHTHENE	2.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0	C032C08901	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0	C032C08901	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0	C032C08901	EPA 8270-M	U	BENZ(A)ANTHRACENE	110 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0	C032C08901	EPA 8270-M	U	BENZO(A)PYRENE	190 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0	C032C08901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	200 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0	C032C08901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	150 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0	C032C08901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	140 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0	C032C08901	EPA 8270-M	U	CHRYSENE	150 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0	C032C08901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	28 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0	C032C08901	EPA 8270-M	U	FLUORANTHENE	140 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0	C032C08901	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0	C032C08901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	160 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0	C032C08901	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0	C032C08901	EPA 8270-M	U	PHENANTHRENE	30 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0	C032C08901	EPA 8270-M	U	PYRENE	160 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0.5	C032C09001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0.5	C032C09001	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0.5	C032C09001	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0.5	C032C09001	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0.5	C032C09001	EPA 8270-M	U	BENZ(A)ANTHRACENE	19 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0.5	C032C09001	EPA 8270-M	U	BENZO(A)PYRENE	26 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0.5	C032C09001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	35 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0.5	C032C09001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	21 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0.5	C032C09001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	27 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0.5	C032C09001	EPA 8270-M	U	CHRYSENE	28 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0.5	C032C09001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/23/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-13	SB	REG	0.5	C032C09001	EPA 8270-M	U	FLUORANTHENE	27 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0.5	C032C09001	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0.5	C032C09001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	25 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0.5	C032C09001	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0.5	C032C09001	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	0.5	C032C09001	EPA 8270-M	U	PYRENE	35 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	2	C032C09201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	2	C032C09201	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	2	C032C09201	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	2	C032C09201	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	2	C032C09201	EPA 8270-M	U	BENZ(A)ANTHRACENE	18 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	2	C032C09201	EPA 8270-M	U	BENZO(A)PYRENE	29 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	2	C032C09201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	35 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	2	C032C09201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	34 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	2	C032C09201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	24 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	2	C032C09201	EPA 8270-M	U	CHRYSENE	30 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	2	C032C09201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	2	C032C09201	EPA 8270-M	U	FLUORANTHENE	33 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	2	C032C09201	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	2	C032C09201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	28 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	2	C032C09201	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	2	C032C09201	EPA 8270-M	U	PHENANTHRENE	7.4 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	2	C032C09201	EPA 8270-M	U	PYRENE	40 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	4	C032C09301	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	4	C032C09301	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	4	C032C09301	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	4	C032C09301	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-13	SB	REG	4	C032C09301	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	4	C032C09301	EPA 8270-M	U	BENZO(A)PYRENE	7.9 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	4	C032C09301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	4	C032C09301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.5 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	4	C032C09301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	4	C032C09301	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	4	C032C09301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	4	C032C09301	EPA 8270-M	U	FLUORANTHENE	9.6 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	4	C032C09301	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	4	C032C09301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.4 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	4	C032C09301	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	4	C032C09301	EPA 8270-M	U	PHENANTHRENE	2.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-13	SB	REG	4	C032C09301	EPA 8270-M	U	PYRENE	15 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	2-METHYLNAPHTHALENE	27 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/29/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	ACENAPHTHENE	27 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/29/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	ACENAPHTHYLENE	27 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/29/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	ANTHRACENE	27 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/29/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	BENZ(A)ANTHRACENE	27 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/29/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	BENZO(A)PYRENE	27 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/29/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	27 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/29/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	26 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/29/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	27 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/29/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	CHRYSENE	27 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/29/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	27 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/29/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	FLUORANTHENE	27 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/29/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	FLUORENE	27 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/29/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	27 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/29/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	NAPHTHALENE	27 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/29/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	PHENANTHRENE	27 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/29/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	PYRENE	27 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/29/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	2-METHYLNAPHTHALENE	54 UG/KG	U	R	DL1 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	ACENAPHTHENE	54 UG/KG	U	R	DL1 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	ACENAPHTHYLENE	54 UG/KG	U	R	DL1 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	ANTHRACENE	54 UG/KG	U	R	DL1 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	BENZ(A)ANTHRACENE	54 UG/KG	U	R	DL1 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	BENZO(A)PYRENE	54 UG/KG	U	R	DL1 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	54 UG/KG	U	R	DL1 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	43 UG/KG	J	R	DL1 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	54 UG/KG	U	R	DL1 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	CHRYSENE	54 UG/KG	U	R	DL1 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	54 UG/KG	U	R	DL1 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	FLUORANTHENE	54 UG/KG	U	R	DL1 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	FLUORENE	54 UG/KG	U	R	DL1 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	54 UG/KG	U	R	DL1 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	NAPHTHALENE	54 UG/KG	U	R	DL1 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	PHENANTHRENE	54 UG/KG	U	R	DL1 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-14	SB	REG	0	C032C09401	EPA 8270-M	U	PYRENE	54 UG/KG	U	R	DL1 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-14	SB	REG	0.5	C032C09501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	0.5	C032C09501	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	0.5	C032C09501	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	0.5	C032C09501	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	0.5	C032C09501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	0.5	C032C09501	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	0.5	C032C09501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-14	SB	REG	0.5	C032C09501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	0.5	C032C09501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	0.5	C032C09501	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	0.5	C032C09501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	0.5	C032C09501	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	0.5	C032C09501	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	0.5	C032C09501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	0.5	C032C09501	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	0.5	C032C09501	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	0.5	C032C09501	EPA 8270-M	U	PYRENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	2	C032C09601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	2	C032C09601	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	2	C032C09601	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	2	C032C09601	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	2	C032C09601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	2	C032C09601	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	2	C032C09601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	2	C032C09601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	2	C032C09601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	2	C032C09601	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	2	C032C09601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	2	C032C09601	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	2	C032C09601	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	2	C032C09601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	2	C032C09601	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	2	C032C09601	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	2	C032C09601	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-14	SB	REG	4	C032C09701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	4	C032C09701	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	4	C032C09701	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	4	C032C09701	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	4	C032C09701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	4	C032C09701	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	4	C032C09701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	4	C032C09701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	4	C032C09701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	4	C032C09701	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	4	C032C09701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	4	C032C09701	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	4	C032C09701	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	4	C032C09701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	4	C032C09701	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	4	C032C09701	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-14	SB	REG	4	C032C09701	EPA 8270-M	U	PYRENE	5.6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-15	SB	FD	4	C032C10201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	FD	4	C032C10201	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	FD	4	C032C10201	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	FD	4	C032C10201	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	FD	4	C032C10201	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.52 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	FD	4	C032C10201	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	FD	4	C032C10201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	FD	4	C032C10201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	FD	4	C032C10201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	FD	4	C032C10201	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-15	SB	FD	4	C032C10201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	FD	4	C032C10201	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	FD	4	C032C10201	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	FD	4	C032C10201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	FD	4	C032C10201	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	FD	4	C032C10201	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	FD	4	C032C10201	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0	C032C09801	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0	C032C09801	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0	C032C09801	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0	C032C09801	EPA 8270-M	U	ANTHRACENE	0.79 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0	C032C09801	EPA 8270-M	U	BENZ(A)ANTHRACENE	3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0	C032C09801	EPA 8270-M	U	BENZO(A)PYRENE	20 UG/KG		J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0	C032C09801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.6 UG/KG		J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0	C032C09801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0	C032C09801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0	C032C09801	EPA 8270-M	U	CHRYSENE	26 UG/KG		J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0	C032C09801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0	C032C09801	EPA 8270-M	U	FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0	C032C09801	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0	C032C09801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0	C032C09801	EPA 8270-M	U	NAPHTHALENE	0.83 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0	C032C09801	EPA 8270-M	U	PHENANTHRENE	1.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0	C032C09801	EPA 8270-M	U	PYRENE	7.3 UG/KG		J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0.5	C032C09901	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.33 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0.5	C032C09901	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0.5	C032C09901	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-15	SB	REG	0.5	C032C09901	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0.5	C032C09901	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.35 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0.5	C032C09901	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0.5	C032C09901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0.5	C032C09901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0.5	C032C09901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0.5	C032C09901	EPA 8270-M	U	CHRYSENE	0.92 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0.5	C032C09901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0.5	C032C09901	EPA 8270-M	U	FLUORANTHENE	0.32 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0.5	C032C09901	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0.5	C032C09901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0.5	C032C09901	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0.5	C032C09901	EPA 8270-M	U	PHENANTHRENE	0.38 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	0.5	C032C09901	EPA 8270-M	U	PYRENE	0.75 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	2	C032C10001	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.93 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	2	C032C10001	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	2	C032C10001	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	2	C032C10001	EPA 8270-M	U	ANTHRACENE	0.53 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	2	C032C10001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	2	C032C10001	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG		J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	2	C032C10001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	2	C032C10001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	14 UG/KG		J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	2	C032C10001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	2	C032C10001	EPA 8270-M	U	CHRYSENE	12 UG/KG		J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	2	C032C10001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	2	C032C10001	EPA 8270-M	U	FLUORANTHENE	0.53 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	2	C032C10001	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-15	SB	REG	2	C032C10001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	2	C032C10001	EPA 8270-M	U	NAPHTHALENE	0.41 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	2	C032C10001	EPA 8270-M	U	PHENANTHRENE	0.99 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	2	C032C10001	EPA 8270-M	U	PYRENE	2.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	4	C032C10101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	4	C032C10101	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	4	C032C10101	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	4	C032C10101	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	4	C032C10101	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	4	C032C10101	EPA 8270-M	U	BENZO(A)PYRENE	1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	4	C032C10101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	4	C032C10101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	4	C032C10101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.77 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	4	C032C10101	EPA 8270-M	U	CHRYSENE	1.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	4	C032C10101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	4	C032C10101	EPA 8270-M	U	FLUORANTHENE	3.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	4	C032C10101	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	4	C032C10101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	4	C032C10101	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	4	C032C10101	EPA 8270-M	U	PHENANTHRENE	2.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-15	SB	REG	4	C032C10101	EPA 8270-M	U	PYRENE	3.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-16	SB	REG	0	C032C10301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0	C032C10301	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0	C032C10301	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0	C032C10301	EPA 8270-M	U	ANTHRACENE	3.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0	C032C10301	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0	C032C10301	EPA 8270-M	U	BENZO(A)PYRENE	3.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-16	SB	REG	0	C032C10301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0	C032C10301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0	C032C10301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0	C032C10301	EPA 8270-M	U	CHRYSENE	3.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0	C032C10301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0	C032C10301	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0	C032C10301	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0	C032C10301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0	C032C10301	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0	C032C10301	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0	C032C10301	EPA 8270-M	U	PYRENE	5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0.5	C032C10401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0.5	C032C10401	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0.5	C032C10401	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0.5	C032C10401	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0.5	C032C10401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0.5	C032C10401	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0.5	C032C10401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0.5	C032C10401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0.5	C032C10401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0.5	C032C10401	EPA 8270-M	U	CHRYSENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0.5	C032C10401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0.5	C032C10401	EPA 8270-M	U	FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0.5	C032C10401	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0.5	C032C10401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0.5	C032C10401	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	0.5	C032C10401	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-16	SB	REG	0.5	C032C10401	EPA 8270-M	U	PYRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	2	C032C10501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	2	C032C10501	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	2	C032C10501	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	2	C032C10501	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	2	C032C10501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	2	C032C10501	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	2	C032C10501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	2	C032C10501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	2	C032C10501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	2	C032C10501	EPA 8270-M	U	CHRYSENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	2	C032C10501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	2	C032C10501	EPA 8270-M	U	FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	2	C032C10501	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	2	C032C10501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	2	C032C10501	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	2	C032C10501	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	2	C032C10501	EPA 8270-M	U	PYRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	4	C032C10601	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	4	C032C10601	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	4	C032C10601	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	4	C032C10601	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	4	C032C10601	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	4	C032C10601	EPA 8270-M	U	BENZO(A)PYRENE	1.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	4	C032C10601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	4	C032C10601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	4	C032C10601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-16	SB	REG	4	C032C10601	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	4	C032C10601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	4	C032C10601	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	4	C032C10601	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	4	C032C10601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	4	C032C10601	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	4	C032C10601	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-16	SB	REG	4	C032C10601	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-17	SB	REG	0	C032C10701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0	C032C10701	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0	C032C10701	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0	C032C10701	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0	C032C10701	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.1 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0	C032C10701	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG			000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0	C032C10701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	9.4 UG/KG			000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0	C032C10701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.8 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0	C032C10701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.7 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0	C032C10701	EPA 8270-M	U	CHRYSENE	25 UG/KG			000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0	C032C10701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0	C032C10701	EPA 8270-M	U	FLUORANTHENE	3.3 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0	C032C10701	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0	C032C10701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.75 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0	C032C10701	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0	C032C10701	EPA 8270-M	U	PHENANTHRENE	1.8 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0	C032C10701	EPA 8270-M	U	PYRENE	9 UG/KG			000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0.5	C032C10801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0.5	C032C10801	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-17	SB	REG	0.5	C032C10801	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0.5	C032C10801	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0.5	C032C10801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0.5	C032C10801	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0.5	C032C10801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0.5	C032C10801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0.5	C032C10801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0.5	C032C10801	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0.5	C032C10801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0.5	C032C10801	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0.5	C032C10801	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0.5	C032C10801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0.5	C032C10801	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0.5	C032C10801	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	0.5	C032C10801	EPA 8270-M	U	PYRENE	5.6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	2	C032C10901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	2	C032C10901	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	2	C032C10901	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	2	C032C10901	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	2	C032C10901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	2	C032C10901	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	2	C032C10901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.9 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	2	C032C10901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.4 UG/KG			000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	2	C032C10901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	2	C032C10901	EPA 8270-M	U	CHRYSENE	8.8 UG/KG			000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	2	C032C10901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	2	C032C10901	EPA 8270-M	U	FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-17	SB	REG	2	C032C10901	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	2	C032C10901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.1 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	2	C032C10901	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	2	C032C10901	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	2	C032C10901	EPA 8270-M	U	PYRENE	3.5 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-17	SB	REG	4	C032C11001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-17	SB	REG	4	C032C11001	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-17	SB	REG	4	C032C11001	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-17	SB	REG	4	C032C11001	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-17	SB	REG	4	C032C11001	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-17	SB	REG	4	C032C11001	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-17	SB	REG	4	C032C11001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-17	SB	REG	4	C032C11001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-17	SB	REG	4	C032C11001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-17	SB	REG	4	C032C11001	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-17	SB	REG	4	C032C11001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-17	SB	REG	4	C032C11001	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-17	SB	REG	4	C032C11001	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-17	SB	REG	4	C032C11001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-17	SB	REG	4	C032C11001	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-17	SB	REG	4	C032C11001	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-17	SB	REG	4	C032C11001	EPA 8270-M	U	PYRENE	6.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-18	SB	FD	0.5	C032C11301	EPA 8270-M	U	2-METHYLNAPHTHALENE	53 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	FD	0.5	C032C11301	EPA 8270-M	U	ACENAPHTHENE	53 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	FD	0.5	C032C11301	EPA 8270-M	U	ACENAPHTHYLENE	53 UG/KG	U	R	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	FD	0.5	C032C11301	EPA 8270-M	U	ANTHRACENE	53 UG/KG	U	R	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	FD	0.5	C032C11301	EPA 8270-M	U	BENZ(A)ANTHRACENE	61 UG/KG			000 REG	5/16/2002	5/17/2002	5/20/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-18	SB	FD	0.5	C032C11301	EPA 8270-M	U	BENZO(A)PYRENE	33 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	FD	0.5	C032C11301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	31 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	FD	0.5	C032C11301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	28 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	FD	0.5	C032C11301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	16 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	FD	0.5	C032C11301	EPA 8270-M	U	CHRYSENE	160 UG/KG			000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	FD	0.5	C032C11301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	53 UG/KG	U	R	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	FD	0.5	C032C11301	EPA 8270-M	U	FLUORANTHENE	16 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	FD	0.5	C032C11301	EPA 8270-M	U	FLUORENE	53 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	FD	0.5	C032C11301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	53 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	FD	0.5	C032C11301	EPA 8270-M	U	NAPHTHALENE	3.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	FD	0.5	C032C11301	EPA 8270-M	U	PHENANTHRENE	5.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	FD	0.5	C032C11301	EPA 8270-M	U	PYRENE	83 UG/KG			000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0	C032C11101	EPA 8270-M	U	2-METHYLNAPHTHALENE	18 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0	C032C11101	EPA 8270-M	U	ACENAPHTHENE	53 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0	C032C11101	EPA 8270-M	U	ACENAPHTHYLENE	53 UG/KG	U	R	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0	C032C11101	EPA 8270-M	U	ANTHRACENE	53 UG/KG	U	R	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0	C032C11101	EPA 8270-M	U	BENZ(A)ANTHRACENE	21 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0	C032C11101	EPA 8270-M	U	BENZO(A)PYRENE	21 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0	C032C11101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	26 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0	C032C11101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	46 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0	C032C11101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0	C032C11101	EPA 8270-M	U	CHRYSENE	74 UG/KG			000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0	C032C11101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	16 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0	C032C11101	EPA 8270-M	U	FLUORANTHENE	7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0	C032C11101	EPA 8270-M	U	FLUORENE	18 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0	C032C11101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	53 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0	C032C11101	EPA 8270-M	U	NAPHTHALENE	12 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-18	SB	REG	0	C032C11101	EPA 8270-M	U	PHENANTHRENE	74 UG/KG			000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0	C032C11101	EPA 8270-M	U	PYRENE	34 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0.5	C032C11201	EPA 8270-M	U	2-METHYLNAPHTHALENE	53 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0.5	C032C11201	EPA 8270-M	U	ACENAPHTHENE	53 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0.5	C032C11201	EPA 8270-M	U	ACENAPHTHYLENE	53 UG/KG	U	R	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0.5	C032C11201	EPA 8270-M	U	ANTHRACENE	53 UG/KG	U	R	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0.5	C032C11201	EPA 8270-M	U	BENZ(A)ANTHRACENE	44 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0.5	C032C11201	EPA 8270-M	U	BENZO(A)PYRENE	33 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0.5	C032C11201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	28 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0.5	C032C11201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	18 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0.5	C032C11201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	16 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0.5	C032C11201	EPA 8270-M	U	CHRYSENE	120 UG/KG			000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0.5	C032C11201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	53 UG/KG	U	R	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0.5	C032C11201	EPA 8270-M	U	FLUORANTHENE	14 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0.5	C032C11201	EPA 8270-M	U	FLUORENE	53 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0.5	C032C11201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	53 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0.5	C032C11201	EPA 8270-M	U	NAPHTHALENE	53 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0.5	C032C11201	EPA 8270-M	U	PHENANTHRENE	4.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	0.5	C032C11201	EPA 8270-M	U	PYRENE	62 UG/KG			000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	2	C032C11401	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	2	C032C11401	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	2	C032C11401	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	R	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	2	C032C11401	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	R	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	2	C032C11401	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG			000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	2	C032C11401	EPA 8270-M	U	BENZO(A)PYRENE	7.8 UG/KG			000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	2	C032C11401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.1 UG/KG			000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	2	C032C11401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.2 UG/KG			000 REG	5/16/2002	5/17/2002	5/20/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-18	SB	REG	2	C032C11401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	2	C032C11401	EPA 8270-M	U	CHRYSENE	27 UG/KG			000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	2	C032C11401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	2	C032C11401	EPA 8270-M	U	FLUORANTHENE	4.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	2	C032C11401	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	2	C032C11401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	2	C032C11401	EPA 8270-M	U	NAPHTHALENE	1.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	2	C032C11401	EPA 8270-M	U	PHENANTHRENE	3.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	2	C032C11401	EPA 8270-M	U	PYRENE	17 UG/KG			000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	4	C032C11501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	4	C032C11501	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	4	C032C11501	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	R	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	4	C032C11501	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	R	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	4	C032C11501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	4	C032C11501	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	4	C032C11501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	4	C032C11501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	4	C032C11501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	4	C032C11501	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	4	C032C11501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	R	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	4	C032C11501	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	4	C032C11501	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	4	C032C11501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	4	C032C11501	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	4	C032C11501	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-18	SB	REG	4	C032C11501	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/20/2002
32FED-1A-19	SB	REG	0	C032C11601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	JB	U	000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-19	SB	REG	0	C032C11601	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0	C032C11601	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0	C032C11601	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0	C032C11601	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.77 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0	C032C11601	EPA 8270-M	U	BENZO(A)PYRENE	1.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0	C032C11601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0	C032C11601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0	C032C11601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0	C032C11601	EPA 8270-M	U	CHRYSENE	2.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0	C032C11601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0	C032C11601	EPA 8270-M	U	FLUORANTHENE	1.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0	C032C11601	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0	C032C11601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0	C032C11601	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0	C032C11601	EPA 8270-M	U	PHENANTHRENE	0.94 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0	C032C11601	EPA 8270-M	U	PYRENE	2.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0.5	C032C11701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0.5	C032C11701	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0.5	C032C11701	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0.5	C032C11701	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0.5	C032C11701	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0.5	C032C11701	EPA 8270-M	U	BENZO(A)PYRENE	1.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0.5	C032C11701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0.5	C032C11701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0.5	C032C11701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0.5	C032C11701	EPA 8270-M	U	CHRYSENE	1.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0.5	C032C11701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-19	SB	REG	0.5	C032C11701	EPA 8270-M	U	FLUORANTHENE	2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0.5	C032C11701	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0.5	C032C11701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0.5	C032C11701	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0.5	C032C11701	EPA 8270-M	U	PHENANTHRENE	0.94 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	0.5	C032C11701	EPA 8270-M	U	PYRENE	2.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	2	C032C11801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	2	C032C11801	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	2	C032C11801	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	2	C032C11801	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	2	C032C11801	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.5 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	2	C032C11801	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	2	C032C11801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	2	C032C11801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.67 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	2	C032C11801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	2	C032C11801	EPA 8270-M	U	CHRYSENE	0.59 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	2	C032C11801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	2	C032C11801	EPA 8270-M	U	FLUORANTHENE	0.98 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	2	C032C11801	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	2	C032C11801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	2	C032C11801	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	2	C032C11801	EPA 8270-M	U	PHENANTHRENE	0.53 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	2	C032C11801	EPA 8270-M	U	PYRENE	1.3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	4	C032C11901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	4	C032C11901	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	4	C032C11901	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	4	C032C11901	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-19	SB	REG	4	C032C11901	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	4	C032C11901	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	4	C032C11901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	4	C032C11901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	4	C032C11901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	4	C032C11901	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	4	C032C11901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	4	C032C11901	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	4	C032C11901	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	4	C032C11901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	4	C032C11901	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	4	C032C11901	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-19	SB	REG	4	C032C11901	EPA 8270-M	U	PYRENE	6.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	ACENAPHTHENE	25 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	ACENAPHTHYLENE	25 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	ANTHRACENE	25 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	BENZ(A)ANTHRACENE	7.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	BENZO(A)PYRENE	19 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	16 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	41 UG/KG			000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	17 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	CHRYSENE	42 UG/KG			000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	13 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	FLUORANTHENE	19 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	FLUORENE	25 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	16 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	NAPHTHALENE	2.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	PHENANTHRENE	7.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	PYRENE	19 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	2-METHYLNAPHTHALENE	500 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	ACENAPHTHENE	500 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	ACENAPHTHYLENE	500 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	ANTHRACENE	500 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	BENZ(A)ANTHRACENE	500 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	BENZO(A)PYRENE	500 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	500 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	52 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	500 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	CHRYSENE	45 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	31 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	FLUORANTHENE	500 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	FLUORENE	500 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	500 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	NAPHTHALENE	500 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	PHENANTHRENE	500 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	0	C032C04101	EPA 8270-M	U	PYRENE	500 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	0.5	C032C04201	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.62 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	0.5	C032C04201	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	0.5	C032C04201	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	0.5	C032C04201	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	0.5	C032C04201	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.92 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	0.5	C032C04201	EPA 8270-M	U	BENZO(A)PYRENE	1.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	0.5	C032C04201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-2	SB	REG	0.5	C032C04201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	0.5	C032C04201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	0.5	C032C04201	EPA 8270-M	U	CHRYSENE	1.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	0.5	C032C04201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.72 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	0.5	C032C04201	EPA 8270-M	U	FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	0.5	C032C04201	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	0.5	C032C04201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	0.5	C032C04201	EPA 8270-M	U	NAPHTHALENE	0.55 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	0.5	C032C04201	EPA 8270-M	U	PHENANTHRENE	1.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	0.5	C032C04201	EPA 8270-M	U	PYRENE	2.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	2-METHYLNAPHTHALENE	1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	ACENAPHTHYLENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	ANTHRACENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	BENZ(A)ANTHRACENE	2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	CHRYSENE	12 UG/KG			000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	FLUORANTHENE	8.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	FLUORENE	11 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	NAPHTHALENE	1.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	PHENANTHRENE	3.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	PYRENE	8.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	2-METHYLNAPHTHALENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	ACENAPHTHENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	ACENAPHTHYLENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	ANTHRACENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.6 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	BENZO(A)PYRENE	6.9 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.7 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	13 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	CHRYSENE	15 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	FLUORANTHENE	11 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	FLUORENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	9.3 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	NAPHTHALENE	55 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	PHENANTHRENE	4.8 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	2	C032C04301	EPA 8270-M	U	PYRENE	11 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-2	SB	REG	4	C032C04401	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	4	C032C04401	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	4	C032C04401	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	4	C032C04401	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	4	C032C04401	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.56 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	4	C032C04401	EPA 8270-M	U	BENZO(A)PYRENE	1.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	4	C032C04401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.76 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	4	C032C04401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.96 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	4	C032C04401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.83 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	4	C032C04401	EPA 8270-M	U	CHRYSENE	0.74 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-2	SB	REG	4	C032C04401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	4	C032C04401	EPA 8270-M	U	FLUORANTHENE	0.71 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	4	C032C04401	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	4	C032C04401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.99 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	4	C032C04401	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	4	C032C04401	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-2	SB	REG	4	C032C04401	EPA 8270-M	U	PYRENE	1.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	FD	4	C032C12401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	FD	4	C032C12401	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	FD	4	C032C12401	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	FD	4	C032C12401	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	FD	4	C032C12401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	FD	4	C032C12401	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	FD	4	C032C12401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	FD	4	C032C12401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	FD	4	C032C12401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	FD	4	C032C12401	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	FD	4	C032C12401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	FD	4	C032C12401	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	FD	4	C032C12401	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	FD	4	C032C12401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	FD	4	C032C12401	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	FD	4	C032C12401	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	FD	4	C032C12401	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0	C032C12001	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0	C032C12001	EPA 8270-M	U	ACENAPHTHENE	3.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0	C032C12001	EPA 8270-M	U	ACENAPHTHYLENE	2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-20	SB	REG	0	C032C12001	EPA 8270-M	U	ANTHRACENE	3.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0	C032C12001	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0	C032C12001	EPA 8270-M	U	BENZO(A)PYRENE	22 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0	C032C12001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	36 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0	C032C12001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	83 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0	C032C12001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9.2 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0	C032C12001	EPA 8270-M	U	CHRYSENE	51 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0	C032C12001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	25 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0	C032C12001	EPA 8270-M	U	FLUORANTHENE	6 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0	C032C12001	EPA 8270-M	U	FLUORENE	7.1 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0	C032C12001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	16 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0	C032C12001	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0	C032C12001	EPA 8270-M	U	PHENANTHRENE	15 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0	C032C12001	EPA 8270-M	U	PYRENE	17 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0.5	C032C12101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0.5	C032C12101	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0.5	C032C12101	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0.5	C032C12101	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0.5	C032C12101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0.5	C032C12101	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0.5	C032C12101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0.5	C032C12101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0.5	C032C12101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0.5	C032C12101	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0.5	C032C12101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0.5	C032C12101	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0.5	C032C12101	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-20	SB	REG	0.5	C032C12101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.89 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0.5	C032C12101	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0.5	C032C12101	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	0.5	C032C12101	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	2	C032C12201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	2	C032C12201	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	2	C032C12201	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	2	C032C12201	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	2	C032C12201	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	2	C032C12201	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	2	C032C12201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	2	C032C12201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	2	C032C12201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	2	C032C12201	EPA 8270-M	U	CHRYSENE	3.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	2	C032C12201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	2	C032C12201	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	2	C032C12201	EPA 8270-M	U	FLUORENE	1.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	2	C032C12201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	2	C032C12201	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	2	C032C12201	EPA 8270-M	U	PHENANTHRENE	2.8 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	2	C032C12201	EPA 8270-M	U	PYRENE	2.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	4	C032C12301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	4	C032C12301	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	4	C032C12301	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	4	C032C12301	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	4	C032C12301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	4	C032C12301	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-20	SB	REG	4	C032C12301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	4	C032C12301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	4	C032C12301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	4	C032C12301	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	4	C032C12301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	4	C032C12301	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	4	C032C12301	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	4	C032C12301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.65 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	4	C032C12301	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	4	C032C12301	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-20	SB	REG	4	C032C12301	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-21	SB	REG	0	C032C12501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0	C032C12501	EPA 8270-M	U	ACENAPHTHENE	1.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0	C032C12501	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0	C032C12501	EPA 8270-M	U	ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0	C032C12501	EPA 8270-M	U	BENZ(A)ANTHRACENE	26 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0	C032C12501	EPA 8270-M	U	BENZO(A)PYRENE	40 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0	C032C12501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	45 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0	C032C12501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	30 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0	C032C12501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	33 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0	C032C12501	EPA 8270-M	U	CHRYSENE	37 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0	C032C12501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9.4 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0	C032C12501	EPA 8270-M	U	FLUORANTHENE	38 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0	C032C12501	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0	C032C12501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	24 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0	C032C12501	EPA 8270-M	U	NAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0	C032C12501	EPA 8270-M	U	PHENANTHRENE	11 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-21	SB	REG	0	C032C12501	EPA 8270-M	U	PYRENE	39 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0.5	C032C12601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0.5	C032C12601	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0.5	C032C12601	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0.5	C032C12601	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0.5	C032C12601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0.5	C032C12601	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0.5	C032C12601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0.5	C032C12601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0.5	C032C12601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0.5	C032C12601	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0.5	C032C12601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0.5	C032C12601	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0.5	C032C12601	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0.5	C032C12601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0.5	C032C12601	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0.5	C032C12601	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	0.5	C032C12601	EPA 8270-M	U	PYRENE	5.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	2	C032C12701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	2	C032C12701	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	2	C032C12701	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	2	C032C12701	EPA 8270-M	U	ANTHRACENE	1.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	2	C032C12701	EPA 8270-M	U	BENZ(A)ANTHRACENE	23 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	2	C032C12701	EPA 8270-M	U	BENZO(A)PYRENE	34 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	2	C032C12701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	39 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	2	C032C12701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	26 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	2	C032C12701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	27 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-21	SB	REG	2	C032C12701	EPA 8270-M	U	CHRYSENE	32 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	2	C032C12701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.7 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	2	C032C12701	EPA 8270-M	U	FLUORANTHENE	32 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	2	C032C12701	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	2	C032C12701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	22 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	2	C032C12701	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	2	C032C12701	EPA 8270-M	U	PHENANTHRENE	9.4 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	2	C032C12701	EPA 8270-M	U	PYRENE	37 UG/KG			000 REG	5/21/2002	5/22/2002	5/22/2002
32FED-1A-21	SB	REG	4	C032C12801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-21	SB	REG	4	C032C12801	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-21	SB	REG	4	C032C12801	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-21	SB	REG	4	C032C12801	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-21	SB	REG	4	C032C12801	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-21	SB	REG	4	C032C12801	EPA 8270-M	U	BENZO(A)PYRENE	1.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-21	SB	REG	4	C032C12801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-21	SB	REG	4	C032C12801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-21	SB	REG	4	C032C12801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-21	SB	REG	4	C032C12801	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-21	SB	REG	4	C032C12801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-21	SB	REG	4	C032C12801	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-21	SB	REG	4	C032C12801	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-21	SB	REG	4	C032C12801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-21	SB	REG	4	C032C12801	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-21	SB	REG	4	C032C12801	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-21	SB	REG	4	C032C12801	EPA 8270-M	U	PYRENE	6.2 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	0	C032C12901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/24/2002
32FED-1A-22	SB	REG	0	C032C12901	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-22	SB	REG	0	C032C12901	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/24/2002
32FED-1A-22	SB	REG	0	C032C12901	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/24/2002
32FED-1A-22	SB	REG	0	C032C12901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/24/2002
32FED-1A-22	SB	REG	0	C032C12901	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/24/2002
32FED-1A-22	SB	REG	0	C032C12901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/24/2002
32FED-1A-22	SB	REG	0	C032C12901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	19 UG/KG			000 REG	5/21/2002	5/22/2002	5/24/2002
32FED-1A-22	SB	REG	0	C032C12901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/24/2002
32FED-1A-22	SB	REG	0	C032C12901	EPA 8270-M	U	CHRYSENE	5.5 UG/KG			000 REG	5/21/2002	5/22/2002	5/24/2002
32FED-1A-22	SB	REG	0	C032C12901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/24/2002
32FED-1A-22	SB	REG	0	C032C12901	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/24/2002
32FED-1A-22	SB	REG	0	C032C12901	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/24/2002
32FED-1A-22	SB	REG	0	C032C12901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	J	U	000 REG	5/21/2002	5/22/2002	5/24/2002
32FED-1A-22	SB	REG	0	C032C12901	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/24/2002
32FED-1A-22	SB	REG	0	C032C12901	EPA 8270-M	U	PHENANTHRENE	2.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/24/2002
32FED-1A-22	SB	REG	0	C032C12901	EPA 8270-M	U	PYRENE	2.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/24/2002
32FED-1A-22	SB	REG	0.5	C032C13001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	0.5	C032C13001	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	0.5	C032C13001	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	0.5	C032C13001	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	0.5	C032C13001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	0.5	C032C13001	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	0.5	C032C13001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	0.5	C032C13001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	0.5	C032C13001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	0.5	C032C13001	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	0.5	C032C13001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	0.5	C032C13001	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-22	SB	REG	0.5	C032C13001	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	0.5	C032C13001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	0.5	C032C13001	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	0.5	C032C13001	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	0.5	C032C13001	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	2	C032C13101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	2	C032C13101	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	2	C032C13101	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	2	C032C13101	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	2	C032C13101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	2	C032C13101	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	2	C032C13101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	2	C032C13101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	2	C032C13101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	2	C032C13101	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	2	C032C13101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	2	C032C13101	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	2	C032C13101	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	2	C032C13101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.85 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	2	C032C13101	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	2	C032C13101	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	2	C032C13101	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	4	C032C13201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	4	C032C13201	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	4	C032C13201	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	4	C032C13201	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	4	C032C13201	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-22	SB	REG	4	C032C13201	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	4	C032C13201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	4	C032C13201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	4	C032C13201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	4	C032C13201	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	4	C032C13201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	4	C032C13201	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	4	C032C13201	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	4	C032C13201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.64 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	4	C032C13201	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	4	C032C13201	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-22	SB	REG	4	C032C13201	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-23	SB	FD	0.5	C032C13501	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.34 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32FED-1A-23	SB	FD	0.5	C032C13501	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/25/2002
32FED-1A-23	SB	FD	0.5	C032C13501	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/25/2002
32FED-1A-23	SB	FD	0.5	C032C13501	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/25/2002
32FED-1A-23	SB	FD	0.5	C032C13501	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32FED-1A-23	SB	FD	0.5	C032C13501	EPA 8270-M	U	BENZO(A)PYRENE	1.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32FED-1A-23	SB	FD	0.5	C032C13501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32FED-1A-23	SB	FD	0.5	C032C13501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32FED-1A-23	SB	FD	0.5	C032C13501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.93 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32FED-1A-23	SB	FD	0.5	C032C13501	EPA 8270-M	U	CHRYSENE	1.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32FED-1A-23	SB	FD	0.5	C032C13501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.29 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32FED-1A-23	SB	FD	0.5	C032C13501	EPA 8270-M	U	FLUORANTHENE	1.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32FED-1A-23	SB	FD	0.5	C032C13501	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/25/2002
32FED-1A-23	SB	FD	0.5	C032C13501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32FED-1A-23	SB	FD	0.5	C032C13501	EPA 8270-M	U	NAPHTHALENE	0.36 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-23	SB	FD	0.5	C032C13501	EPA 8270-M	U	PHENANTHRENE	0.64 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32FED-1A-23	SB	FD	0.5	C032C13501	EPA 8270-M	U	PYRENE	1.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/25/2002
32FED-1A-23	SB	REG	0	C032C13301	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.44 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-23	SB	REG	0	C032C13301	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-23	SB	REG	0	C032C13301	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-23	SB	REG	0	C032C13301	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-23	SB	REG	0	C032C13301	EPA 8270-M	U	BENZ(A)ANTHRACENE	2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-23	SB	REG	0	C032C13301	EPA 8270-M	U	BENZO(A)PYRENE	4.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-23	SB	REG	0	C032C13301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-23	SB	REG	0	C032C13301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-23	SB	REG	0	C032C13301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-23	SB	REG	0	C032C13301	EPA 8270-M	U	CHRYSENE	4.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-23	SB	REG	0	C032C13301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.47 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-23	SB	REG	0	C032C13301	EPA 8270-M	U	FLUORANTHENE	3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-23	SB	REG	0	C032C13301	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-23	SB	REG	0	C032C13301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-23	SB	REG	0	C032C13301	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-23	SB	REG	0	C032C13301	EPA 8270-M	U	PHENANTHRENE	1.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-23	SB	REG	0	C032C13301	EPA 8270-M	U	PYRENE	3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-23	SB	REG	0.5	C032C13401	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.32 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/24/2002
32FED-1A-23	SB	REG	0.5	C032C13401	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/24/2002
32FED-1A-23	SB	REG	0.5	C032C13401	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/24/2002
32FED-1A-23	SB	REG	0.5	C032C13401	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/24/2002
32FED-1A-23	SB	REG	0.5	C032C13401	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/24/2002
32FED-1A-23	SB	REG	0.5	C032C13401	EPA 8270-M	U	BENZO(A)PYRENE	1.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/24/2002
32FED-1A-23	SB	REG	0.5	C032C13401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/24/2002
32FED-1A-23	SB	REG	0.5	C032C13401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-23	SB	REG	0.5	C032C13401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.96 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/24/2002
32FED-1A-23	SB	REG	0.5	C032C13401	EPA 8270-M	U	CHRYSENE	1.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/24/2002
32FED-1A-23	SB	REG	0.5	C032C13401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/24/2002
32FED-1A-23	SB	REG	0.5	C032C13401	EPA 8270-M	U	FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/24/2002
32FED-1A-23	SB	REG	0.5	C032C13401	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/24/2002
32FED-1A-23	SB	REG	0.5	C032C13401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/24/2002
32FED-1A-23	SB	REG	0.5	C032C13401	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/24/2002
32FED-1A-23	SB	REG	0.5	C032C13401	EPA 8270-M	U	PHENANTHRENE	0.65 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/24/2002
32FED-1A-23	SB	REG	0.5	C032C13401	EPA 8270-M	U	PYRENE	2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/24/2002
32FED-1A-23	SB	REG	2	C032C13601	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.99 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/29/2002
32FED-1A-23	SB	REG	2	C032C13601	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/29/2002
32FED-1A-23	SB	REG	2	C032C13601	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/29/2002
32FED-1A-23	SB	REG	2	C032C13601	EPA 8270-M	U	ANTHRACENE	0.47 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/29/2002
32FED-1A-23	SB	REG	2	C032C13601	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/29/2002
32FED-1A-23	SB	REG	2	C032C13601	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG			000 REG	5/20/2002	5/21/2002	5/29/2002
32FED-1A-23	SB	REG	2	C032C13601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.6 UG/KG			000 REG	5/20/2002	5/21/2002	5/29/2002
32FED-1A-23	SB	REG	2	C032C13601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	11 UG/KG			000 REG	5/20/2002	5/21/2002	5/29/2002
32FED-1A-23	SB	REG	2	C032C13601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8.2 UG/KG			000 REG	5/20/2002	5/21/2002	5/29/2002
32FED-1A-23	SB	REG	2	C032C13601	EPA 8270-M	U	CHRYSENE	18 UG/KG			000 REG	5/20/2002	5/21/2002	5/29/2002
32FED-1A-23	SB	REG	2	C032C13601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/29/2002
32FED-1A-23	SB	REG	2	C032C13601	EPA 8270-M	U	FLUORANTHENE	7.8 UG/KG			000 REG	5/20/2002	5/21/2002	5/29/2002
32FED-1A-23	SB	REG	2	C032C13601	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/29/2002
32FED-1A-23	SB	REG	2	C032C13601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG		J	000 REG	5/20/2002	5/21/2002	5/29/2002
32FED-1A-23	SB	REG	2	C032C13601	EPA 8270-M	U	NAPHTHALENE	1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/29/2002
32FED-1A-23	SB	REG	2	C032C13601	EPA 8270-M	U	PHENANTHRENE	4.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/29/2002
32FED-1A-23	SB	REG	2	C032C13601	EPA 8270-M	U	PYRENE	9.6 UG/KG			000 REG	5/20/2002	5/21/2002	5/29/2002
32FED-1A-23	SB	REG	4	C032C13701	EPA 8270-M	U	2-METHYLNAPHTHALENE	600 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/12/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-23	SB	REG	4	C032C13701	EPA 8270-M	U	ACENAPHTHENE	600 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/12/2002
32FED-1A-23	SB	REG	4	C032C13701	EPA 8270-M	U	ACENAPHTHYLENE	600 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/12/2002
32FED-1A-23	SB	REG	4	C032C13701	EPA 8270-M	U	ANTHRACENE	600 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/12/2002
32FED-1A-23	SB	REG	4	C032C13701	EPA 8270-M	U	BENZ(A)ANTHRACENE	14 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	6/12/2002
32FED-1A-23	SB	REG	4	C032C13701	EPA 8270-M	U	BENZO(A)PYRENE	190 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	6/12/2002
32FED-1A-23	SB	REG	4	C032C13701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	21 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	6/12/2002
32FED-1A-23	SB	REG	4	C032C13701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	85 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	6/12/2002
32FED-1A-23	SB	REG	4	C032C13701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	24 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	6/12/2002
32FED-1A-23	SB	REG	4	C032C13701	EPA 8270-M	U	CHRYSENE	160 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	6/12/2002
32FED-1A-23	SB	REG	4	C032C13701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	34 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	6/12/2002
32FED-1A-23	SB	REG	4	C032C13701	EPA 8270-M	U	FLUORANTHENE	600 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/12/2002
32FED-1A-23	SB	REG	4	C032C13701	EPA 8270-M	U	FLUORENE	600 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/12/2002
32FED-1A-23	SB	REG	4	C032C13701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	600 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/12/2002
32FED-1A-23	SB	REG	4	C032C13701	EPA 8270-M	U	NAPHTHALENE	600 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/12/2002
32FED-1A-23	SB	REG	4	C032C13701	EPA 8270-M	U	PHENANTHRENE	600 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/12/2002
32FED-1A-23	SB	REG	4	C032C13701	EPA 8270-M	U	PYRENE	600 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	6/12/2002
32FED-1A-24	SB	REG	0	C032C13801	EPA 8270-M	U	2-METHYLNAPHTHALENE	22 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	0	C032C13801	EPA 8270-M	U	ACENAPHTHENE	11 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	0	C032C13801	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	0	C032C13801	EPA 8270-M	U	ANTHRACENE	8 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	0	C032C13801	EPA 8270-M	U	BENZ(A)ANTHRACENE	36 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	0	C032C13801	EPA 8270-M	U	BENZO(A)PYRENE	33 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	0	C032C13801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	61 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	0	C032C13801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	62 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	0	C032C13801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	0	C032C13801	EPA 8270-M	U	CHRYSENE	160 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	0	C032C13801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	25 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-24	SB	REG	0	C032C13801	EPA 8270-M	U	FLUORANTHENE	37 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	0	C032C13801	EPA 8270-M	U	FLUORENE	16 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	0	C032C13801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	13 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	0	C032C13801	EPA 8270-M	U	NAPHTHALENE	2.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	0	C032C13801	EPA 8270-M	U	PHENANTHRENE	170 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	0	C032C13801	EPA 8270-M	U	PYRENE	79 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	0.5	C032C13901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	0.5	C032C13901	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	0.5	C032C13901	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	0.5	C032C13901	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	0.5	C032C13901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	0.5	C032C13901	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	0.5	C032C13901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	0.5	C032C13901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	0.5	C032C13901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	0.5	C032C13901	EPA 8270-M	U	CHRYSENE	3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	0.5	C032C13901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	0.5	C032C13901	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	0.5	C032C13901	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	0.5	C032C13901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	0.5	C032C13901	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	0.5	C032C13901	EPA 8270-M	U	PHENANTHRENE	1.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	0.5	C032C13901	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	2	C032C14001	EPA 8270-M	U	2-METHYLNAPHTHALENE	7.8 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	2	C032C14001	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	2	C032C14001	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	2	C032C14001	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-24	SB	REG	2	C032C14001	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	2	C032C14001	EPA 8270-M	U	BENZO(A)PYRENE	3.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	2	C032C14001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	9.8 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	2	C032C14001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	11 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	2	C032C14001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	2	C032C14001	EPA 8270-M	U	CHRYSENE	21 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	2	C032C14001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	2	C032C14001	EPA 8270-M	U	FLUORANTHENE	3.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	2	C032C14001	EPA 8270-M	U	FLUORENE	2.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	2	C032C14001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	2	C032C14001	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	2	C032C14001	EPA 8270-M	U	PHENANTHRENE	20 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	2	C032C14001	EPA 8270-M	U	PYRENE	10 UG/KG			000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-24	SB	REG	4	C032C14101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	4	C032C14101	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	4	C032C14101	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	4	C032C14101	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	4	C032C14101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	4	C032C14101	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	4	C032C14101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	4	C032C14101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	4	C032C14101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	4	C032C14101	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	4	C032C14101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	4	C032C14101	EPA 8270-M	U	FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	4	C032C14101	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	4	C032C14101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-24	SB	REG	4	C032C14101	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	4	C032C14101	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-24	SB	REG	4	C032C14101	EPA 8270-M	U	PYRENE	2.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-25	SB	FD	4	C032C14601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	FD	4	C032C14601	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	FD	4	C032C14601	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	FD	4	C032C14601	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	FD	4	C032C14601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	FD	4	C032C14601	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	FD	4	C032C14601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	FD	4	C032C14601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	FD	4	C032C14601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	FD	4	C032C14601	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	FD	4	C032C14601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	FD	4	C032C14601	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	FD	4	C032C14601	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	FD	4	C032C14601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	FD	4	C032C14601	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	FD	4	C032C14601	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	FD	4	C032C14601	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0	C032C14201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG			000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0	C032C14201	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0	C032C14201	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0	C032C14201	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0	C032C14201	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.4 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0	C032C14201	EPA 8270-M	U	BENZO(A)PYRENE	3.6 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0	C032C14201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.9 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-25	SB	REG	0	C032C14201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.1 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0	C032C14201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0	C032C14201	EPA 8270-M	U	CHRYSENE	8.9 UG/KG			000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0	C032C14201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0	C032C14201	EPA 8270-M	U	FLUORANTHENE	3.1 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0	C032C14201	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0	C032C14201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.87 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0	C032C14201	EPA 8270-M	U	NAPHTHALENE	2.1 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0	C032C14201	EPA 8270-M	U	PHENANTHRENE	7.1 UG/KG		J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0	C032C14201	EPA 8270-M	U	PYRENE	4.9 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0.5	C032C14301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0.5	C032C14301	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0.5	C032C14301	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0.5	C032C14301	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0.5	C032C14301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0.5	C032C14301	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0.5	C032C14301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0.5	C032C14301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.3 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0.5	C032C14301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0.5	C032C14301	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0.5	C032C14301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0.5	C032C14301	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0.5	C032C14301	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0.5	C032C14301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0.5	C032C14301	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0.5	C032C14301	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	0.5	C032C14301	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-25	SB	REG	2	C032C14401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	2	C032C14401	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	2	C032C14401	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	2	C032C14401	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	2	C032C14401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	2	C032C14401	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	2	C032C14401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	2	C032C14401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.9 UG/KG			000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	2	C032C14401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	2	C032C14401	EPA 8270-M	U	CHRYSENE	3.7 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	2	C032C14401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	2	C032C14401	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	2	C032C14401	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	2	C032C14401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	2	C032C14401	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	2	C032C14401	EPA 8270-M	U	PHENANTHRENE	3.6 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	2	C032C14401	EPA 8270-M	U	PYRENE	2.2 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	4	C032C14501	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	4	C032C14501	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	4	C032C14501	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	4	C032C14501	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	4	C032C14501	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	4	C032C14501	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	4	C032C14501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	4	C032C14501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	4	C032C14501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	4	C032C14501	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-25	SB	REG	4	C032C14501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	4	C032C14501	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	4	C032C14501	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	4	C032C14501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	4	C032C14501	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	4	C032C14501	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-25	SB	REG	4	C032C14501	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-26	SB	REG	0	C032C14701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0	C032C14701	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0	C032C14701	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0	C032C14701	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0	C032C14701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0	C032C14701	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0	C032C14701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0	C032C14701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0	C032C14701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0	C032C14701	EPA 8270-M	U	CHRYSENE	2.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0	C032C14701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0	C032C14701	EPA 8270-M	U	FLUORANTHENE	2.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0	C032C14701	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0	C032C14701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0	C032C14701	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0	C032C14701	EPA 8270-M	U	PHENANTHRENE	1.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0	C032C14701	EPA 8270-M	U	PYRENE	3.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0.5	C032C14801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0.5	C032C14801	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0.5	C032C14801	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-26	SB	REG	0.5	C032C14801	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0.5	C032C14801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0.5	C032C14801	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0.5	C032C14801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0.5	C032C14801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0.5	C032C14801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0.5	C032C14801	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0.5	C032C14801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0.5	C032C14801	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0.5	C032C14801	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0.5	C032C14801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.76 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0.5	C032C14801	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0.5	C032C14801	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	0.5	C032C14801	EPA 8270-M	U	PYRENE	5.6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	2	C032C14901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	2	C032C14901	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	2	C032C14901	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	2	C032C14901	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	2	C032C14901	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	2	C032C14901	EPA 8270-M	U	BENZO(A)PYRENE	3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	2	C032C14901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	2	C032C14901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	2	C032C14901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	2	C032C14901	EPA 8270-M	U	CHRYSENE	3.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	2	C032C14901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	2	C032C14901	EPA 8270-M	U	FLUORANTHENE	6.4 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	2	C032C14901	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-26	SB	REG	2	C032C14901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	2	C032C14901	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	2	C032C14901	EPA 8270-M	U	PHENANTHRENE	1.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	2	C032C14901	EPA 8270-M	U	PYRENE	6.7 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	4	C032C15001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	4	C032C15001	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	4	C032C15001	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	4	C032C15001	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	4	C032C15001	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	4	C032C15001	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	4	C032C15001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	4	C032C15001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	4	C032C15001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	4	C032C15001	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	4	C032C15001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	4	C032C15001	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	4	C032C15001	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	4	C032C15001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	4	C032C15001	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	4	C032C15001	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-26	SB	REG	4	C032C15001	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-27	SB	REG	0	C032C15101	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0	C032C15101	EPA 8270-M	U	ACENAPHTHENE	2.6 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0	C032C15101	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0	C032C15101	EPA 8270-M	U	ANTHRACENE	3.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0	C032C15101	EPA 8270-M	U	BENZ(A)ANTHRACENE	7.6 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0	C032C15101	EPA 8270-M	U	BENZO(A)PYRENE	8.9 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-27	SB	REG	0	C032C15101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	15 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0	C032C15101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	36 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0	C032C15101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0	C032C15101	EPA 8270-M	U	CHRYSENE	44 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0	C032C15101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	12 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0	C032C15101	EPA 8270-M	U	FLUORANTHENE	7.8 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0	C032C15101	EPA 8270-M	U	FLUORENE	16 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0	C032C15101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0	C032C15101	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0	C032C15101	EPA 8270-M	U	PHENANTHRENE	50 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0	C032C15101	EPA 8270-M	U	PYRENE	16 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0.5	C032C15201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0.5	C032C15201	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0.5	C032C15201	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0.5	C032C15201	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0.5	C032C15201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0.5	C032C15201	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0.5	C032C15201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0.5	C032C15201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0.5	C032C15201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0.5	C032C15201	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0.5	C032C15201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0.5	C032C15201	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0.5	C032C15201	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0.5	C032C15201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0.5	C032C15201	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	0.5	C032C15201	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-27	SB	REG	0.5	C032C15201	EPA 8270-M	U	PYRENE	5.6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	2	C032C15301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	2	C032C15301	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	2	C032C15301	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	2	C032C15301	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	2	C032C15301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	2	C032C15301	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	2	C032C15301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	2	C032C15301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	2	C032C15301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	2	C032C15301	EPA 8270-M	U	CHRYSENE	2.6 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	2	C032C15301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	2	C032C15301	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	2	C032C15301	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	2	C032C15301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.88 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	2	C032C15301	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	2	C032C15301	EPA 8270-M	U	PHENANTHRENE	3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	2	C032C15301	EPA 8270-M	U	PYRENE	2.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	4	C032C15401	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	4	C032C15401	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	4	C032C15401	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	4	C032C15401	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	4	C032C15401	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	4	C032C15401	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	4	C032C15401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	4	C032C15401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	4	C032C15401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-27	SB	REG	4	C032C15401	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	4	C032C15401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	4	C032C15401	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	4	C032C15401	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	4	C032C15401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	4	C032C15401	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	4	C032C15401	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-27	SB	REG	4	C032C15401	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-28	SB	FD	0.5	C032C15701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	FD	0.5	C032C15701	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	FD	0.5	C032C15701	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	FD	0.5	C032C15701	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	FD	0.5	C032C15701	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.83 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	FD	0.5	C032C15701	EPA 8270-M	U	BENZO(A)PYRENE	0.82 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	FD	0.5	C032C15701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	FD	0.5	C032C15701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.75 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	FD	0.5	C032C15701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	FD	0.5	C032C15701	EPA 8270-M	U	CHRYSENE	1.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	FD	0.5	C032C15701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	FD	0.5	C032C15701	EPA 8270-M	U	FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	FD	0.5	C032C15701	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	FD	0.5	C032C15701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.56 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	FD	0.5	C032C15701	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	FD	0.5	C032C15701	EPA 8270-M	U	PHENANTHRENE	0.81 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	FD	0.5	C032C15701	EPA 8270-M	U	PYRENE	2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	2-METHYLNAPHTHALENE	53 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	ACENAPHTHENE	53 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
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32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	ACENAPHTHYLENE	53 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	ANTHRACENE	53 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	BENZ(A)ANTHRACENE	53 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	BENZO(A)PYRENE	53 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	53 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	59 UG/KG			000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	53 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	CHRYSENE	20 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	53 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	FLUORANTHENE	53 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	FLUORENE	53 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	53 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	NAPHTHALENE	53 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	PHENANTHRENE	9.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	PYRENE	8.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	2-METHYLNAPHTHALENE	530 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	ACENAPHTHENE	530 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	ACENAPHTHYLENE	530 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	ANTHRACENE	530 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	BENZ(A)ANTHRACENE	530 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	BENZO(A)PYRENE	530 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	530 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	66 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	32 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	CHRYSENE	38 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	31 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	FLUORANTHENE	530 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	FLUORENE	530 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	530 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	NAPHTHALENE	530 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	PHENANTHRENE	530 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0	C032C15501	EPA 8270-M	U	PYRENE	530 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0.5	C032C15601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0.5	C032C15601	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0.5	C032C15601	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0.5	C032C15601	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0.5	C032C15601	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.46 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0.5	C032C15601	EPA 8270-M	U	BENZO(A)PYRENE	0.54 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0.5	C032C15601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.63 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0.5	C032C15601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.68 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0.5	C032C15601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.43 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0.5	C032C15601	EPA 8270-M	U	CHRYSENE	0.45 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0.5	C032C15601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0.5	C032C15601	EPA 8270-M	U	FLUORANTHENE	0.71 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0.5	C032C15601	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0.5	C032C15601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.74 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0.5	C032C15601	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0.5	C032C15601	EPA 8270-M	U	PHENANTHRENE	0.43 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	0.5	C032C15601	EPA 8270-M	U	PYRENE	0.74 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	2	C032C15801	EPA 8270-M	U	2-METHYLNAPHTHALENE	28 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	2	C032C15801	EPA 8270-M	U	ACENAPHTHENE	28 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	2	C032C15801	EPA 8270-M	U	ACENAPHTHYLENE	28 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	2	C032C15801	EPA 8270-M	U	ANTHRACENE	28 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	2	C032C15801	EPA 8270-M	U	BENZ(A)ANTHRACENE	28 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-28	SB	REG	2	C032C15801	EPA 8270-M	U	BENZO(A)PYRENE	28 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	2	C032C15801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	28 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	2	C032C15801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	9.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	2	C032C15801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	28 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	2	C032C15801	EPA 8270-M	U	CHRYSENE	7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	2	C032C15801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	28 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	2	C032C15801	EPA 8270-M	U	FLUORANTHENE	28 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	2	C032C15801	EPA 8270-M	U	FLUORENE	28 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	2	C032C15801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	28 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	2	C032C15801	EPA 8270-M	U	NAPHTHALENE	28 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	2	C032C15801	EPA 8270-M	U	PHENANTHRENE	5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	2	C032C15801	EPA 8270-M	U	PYRENE	2.6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-28	SB	REG	4	C032C15901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	4	C032C15901	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	4	C032C15901	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	4	C032C15901	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	4	C032C15901	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	4	C032C15901	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	4	C032C15901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	4	C032C15901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	4	C032C15901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	4	C032C15901	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	4	C032C15901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	4	C032C15901	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	4	C032C15901	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	4	C032C15901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	4	C032C15901	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-28	SB	REG	4	C032C15901	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-28	SB	REG	4	C032C15901	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-29	SB	REG	0	C032C16001	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.64 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0	C032C16001	EPA 8270-M	U	ACENAPHTHENE	1.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0	C032C16001	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0	C032C16001	EPA 8270-M	U	ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0	C032C16001	EPA 8270-M	U	BENZ(A)ANTHRACENE	48 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0	C032C16001	EPA 8270-M	U	BENZO(A)PYRENE	83 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0	C032C16001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	88 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0	C032C16001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	56 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0	C032C16001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	65 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0	C032C16001	EPA 8270-M	U	CHRYSENE	75 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0	C032C16001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	22 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0	C032C16001	EPA 8270-M	U	FLUORANTHENE	74 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0	C032C16001	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0	C032C16001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	66 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0	C032C16001	EPA 8270-M	U	NAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0	C032C16001	EPA 8270-M	U	PHENANTHRENE	15 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0	C032C16001	EPA 8270-M	U	PYRENE	61 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0.5	C032C16101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0.5	C032C16101	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0.5	C032C16101	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0.5	C032C16101	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0.5	C032C16101	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0.5	C032C16101	EPA 8270-M	U	BENZO(A)PYRENE	4.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0.5	C032C16101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0.5	C032C16101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-29	SB	REG	0.5	C032C16101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0.5	C032C16101	EPA 8270-M	U	CHRYSENE	4.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0.5	C032C16101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0.5	C032C16101	EPA 8270-M	U	FLUORANTHENE	5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0.5	C032C16101	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0.5	C032C16101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0.5	C032C16101	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0.5	C032C16101	EPA 8270-M	U	PHENANTHRENE	1.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	0.5	C032C16101	EPA 8270-M	U	PYRENE	4.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	2	C032C16201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	2	C032C16201	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	2	C032C16201	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	2	C032C16201	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	2	C032C16201	EPA 8270-M	U	BENZ(A)ANTHRACENE	7.8 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	2	C032C16201	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	2	C032C16201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	14 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	2	C032C16201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	10 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	2	C032C16201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9.9 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	2	C032C16201	EPA 8270-M	U	CHRYSENE	12 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	2	C032C16201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	2	C032C16201	EPA 8270-M	U	FLUORANTHENE	12 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	2	C032C16201	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	2	C032C16201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	12 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	2	C032C16201	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	2	C032C16201	EPA 8270-M	U	PHENANTHRENE	2.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	2	C032C16201	EPA 8270-M	U	PYRENE	11 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	4	C032C16301	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-29	SB	REG	4	C032C16301	EPA 8270-M	U	ACENAPHTHENE	6.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	4	C032C16301	EPA 8270-M	U	ACENAPHTHYLENE	6.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	4	C032C16301	EPA 8270-M	U	ANTHRACENE	6.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	4	C032C16301	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	4	C032C16301	EPA 8270-M	U	BENZO(A)PYRENE	6.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	4	C032C16301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	4	C032C16301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.59 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	4	C032C16301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	4	C032C16301	EPA 8270-M	U	CHRYSENE	0.61 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	4	C032C16301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	4	C032C16301	EPA 8270-M	U	FLUORANTHENE	0.51 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	4	C032C16301	EPA 8270-M	U	FLUORENE	6.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	4	C032C16301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	4	C032C16301	EPA 8270-M	U	NAPHTHALENE	6.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	4	C032C16301	EPA 8270-M	U	PHENANTHRENE	6.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-29	SB	REG	4	C032C16301	EPA 8270-M	U	PYRENE	0.56 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-3	SB	FD	0.5	C032C04701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	FD	0.5	C032C04701	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	FD	0.5	C032C04701	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	FD	0.5	C032C04701	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	FD	0.5	C032C04701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	FD	0.5	C032C04701	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	FD	0.5	C032C04701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	FD	0.5	C032C04701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	FD	0.5	C032C04701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	FD	0.5	C032C04701	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	FD	0.5	C032C04701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-3	SB	FD	0.5	C032C04701	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	FD	0.5	C032C04701	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	FD	0.5	C032C04701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	FD	0.5	C032C04701	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	FD	0.5	C032C04701	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	FD	0.5	C032C04701	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0	C032C04501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0	C032C04501	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0	C032C04501	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0	C032C04501	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0	C032C04501	EPA 8270-M	U	BENZ(A)ANTHRACENE	7.8 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0	C032C04501	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0	C032C04501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	15 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0	C032C04501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	30 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0	C032C04501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8.3 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0	C032C04501	EPA 8270-M	U	CHRYSENE	26 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0	C032C04501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.5 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0	C032C04501	EPA 8270-M	U	FLUORANTHENE	21 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0	C032C04501	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0	C032C04501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	9.7 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0	C032C04501	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0	C032C04501	EPA 8270-M	U	PHENANTHRENE	9.9 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0	C032C04501	EPA 8270-M	U	PYRENE	20 UG/KG			000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0.5	C032C04601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0.5	C032C04601	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0.5	C032C04601	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0.5	C032C04601	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-3	SB	REG	0.5	C032C04601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0.5	C032C04601	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0.5	C032C04601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0.5	C032C04601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0.5	C032C04601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0.5	C032C04601	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0.5	C032C04601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0.5	C032C04601	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0.5	C032C04601	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0.5	C032C04601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.63 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0.5	C032C04601	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0.5	C032C04601	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	0.5	C032C04601	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	2	C032C04801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	2	C032C04801	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	2	C032C04801	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	2	C032C04801	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	2	C032C04801	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	2	C032C04801	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	2	C032C04801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	2	C032C04801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	2	C032C04801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	2	C032C04801	EPA 8270-M	U	CHRYSENE	2.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	2	C032C04801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	2	C032C04801	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	2	C032C04801	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	2	C032C04801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.2 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-3	SB	REG	2	C032C04801	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	2	C032C04801	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	2	C032C04801	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	4	C032C04901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	4	C032C04901	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	4	C032C04901	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	4	C032C04901	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	4	C032C04901	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	4	C032C04901	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	4	C032C04901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	4	C032C04901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	4	C032C04901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	4	C032C04901	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	4	C032C04901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	4	C032C04901	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	4	C032C04901	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	4	C032C04901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	4	C032C04901	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	4	C032C04901	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-3	SB	REG	4	C032C04901	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-30	SB	FD	4	C032C16801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	FD	4	C032C16801	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	FD	4	C032C16801	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	FD	4	C032C16801	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	FD	4	C032C16801	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	FD	4	C032C16801	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	FD	4	C032C16801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-30	SB	FD	4	C032C16801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	FD	4	C032C16801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.92 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	FD	4	C032C16801	EPA 8270-M	U	CHRYSENE	5.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	FD	4	C032C16801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	FD	4	C032C16801	EPA 8270-M	U	FLUORANTHENE	0.64 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	FD	4	C032C16801	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	FD	4	C032C16801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	FD	4	C032C16801	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	FD	4	C032C16801	EPA 8270-M	U	PHENANTHRENE	1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	FD	4	C032C16801	EPA 8270-M	U	PYRENE	1.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0	C032C16401	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.89 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0	C032C16401	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0	C032C16401	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0	C032C16401	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0	C032C16401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0	C032C16401	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0	C032C16401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0	C032C16401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	24 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0	C032C16401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0	C032C16401	EPA 8270-M	U	CHRYSENE	4.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0	C032C16401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0	C032C16401	EPA 8270-M	U	FLUORANTHENE	0.58 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0	C032C16401	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0	C032C16401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0	C032C16401	EPA 8270-M	U	NAPHTHALENE	0.49 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0	C032C16401	EPA 8270-M	U	PHENANTHRENE	2.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0	C032C16401	EPA 8270-M	U	PYRENE	1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-30	SB	REG	0.5	C032C16501	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.35 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0.5	C032C16501	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0.5	C032C16501	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0.5	C032C16501	EPA 8270-M	U	ANTHRACENE	0.47 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0.5	C032C16501	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0.5	C032C16501	EPA 8270-M	U	BENZO(A)PYRENE	10 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0.5	C032C16501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.3 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0.5	C032C16501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.2 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0.5	C032C16501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0.5	C032C16501	EPA 8270-M	U	CHRYSENE	27 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0.5	C032C16501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0.5	C032C16501	EPA 8270-M	U	FLUORANTHENE	2.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0.5	C032C16501	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0.5	C032C16501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0.5	C032C16501	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0.5	C032C16501	EPA 8270-M	U	PHENANTHRENE	4.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	0.5	C032C16501	EPA 8270-M	U	PYRENE	7.9 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	2	C032C16601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	2	C032C16601	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	2	C032C16601	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	2	C032C16601	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	2	C032C16601	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	2	C032C16601	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	2	C032C16601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.59 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	2	C032C16601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	2	C032C16601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.36 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	2	C032C16601	EPA 8270-M	U	CHRYSENE	0.69 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-30	SB	REG	2	C032C16601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	2	C032C16601	EPA 8270-M	U	FLUORANTHENE	0.74 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	2	C032C16601	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	2	C032C16601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	2	C032C16601	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	2	C032C16601	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	2	C032C16601	EPA 8270-M	U	PYRENE	1.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	4	C032C16701	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	4	C032C16701	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	4	C032C16701	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	4	C032C16701	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	4	C032C16701	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	4	C032C16701	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	4	C032C16701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	4	C032C16701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	4	C032C16701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	4	C032C16701	EPA 8270-M	U	CHRYSENE	9.9 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	4	C032C16701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	4	C032C16701	EPA 8270-M	U	FLUORANTHENE	0.81 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	4	C032C16701	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	4	C032C16701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	4	C032C16701	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	4	C032C16701	EPA 8270-M	U	PHENANTHRENE	2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-30	SB	REG	4	C032C16701	EPA 8270-M	U	PYRENE	2.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.6 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	ACENAPHTHENE	27 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	ANTHRACENE	30 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	BENZ(A)ANTHRACENE	970 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	BENZO(A)PYRENE	2400 UG/KG	E	R	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2800 UG/KG	E	R	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1400 UG/KG	E	R	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	900 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	CHRYSENE	1200 UG/KG	E	R	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	80 UG/KG		R	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	FLUORANTHENE	750 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	FLUORENE	13 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1900 UG/KG	E	R	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	NAPHTHALENE	19 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	PHENANTHRENE	110 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	PYRENE	780 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	2-METHYLNAPHTHALENE	54 UG/KG	U	R	DL1 REG	5/24/2002	5/25/2002	5/29/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	ACENAPHTHENE	33 UG/KG	JD	R	DL1 REG	5/24/2002	5/25/2002	5/29/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	ACENAPHTHYLENE	54 UG/KG	U	R	DL1 REG	5/24/2002	5/25/2002	5/29/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	ANTHRACENE	30 UG/KG	JD	R	DL1 REG	5/24/2002	5/25/2002	5/29/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	BENZ(A)ANTHRACENE	890 UG/KG	D	R	DL1 REG	5/24/2002	5/25/2002	5/29/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	BENZO(A)PYRENE	1800 UG/KG	D		DL1 REG	5/24/2002	5/25/2002	5/29/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1900 UG/KG	D		DL1 REG	5/24/2002	5/25/2002	5/29/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1400 UG/KG	D		DL1 REG	5/24/2002	5/25/2002	5/29/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1100 UG/KG	D	R	DL1 REG	5/24/2002	5/25/2002	5/29/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	CHRYSENE	1200 UG/KG	D		DL1 REG	5/24/2002	5/25/2002	5/29/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	320 UG/KG	D		DL1 REG	5/24/2002	5/25/2002	5/29/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	FLUORANTHENE	740 UG/KG	D	R	DL1 REG	5/24/2002	5/25/2002	5/29/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	FLUORENE	15 UG/KG	JD	R	DL1 REG	5/24/2002	5/25/2002	5/29/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1500 UG/KG	D		DL1 REG	5/24/2002	5/25/2002	5/29/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	NAPHTHALENE	21 UG/KG	JD	R	DL1 REG	5/24/2002	5/25/2002	5/29/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	PHENANTHRENE	120 UG/KG	D	R	DL1 REG	5/24/2002	5/25/2002	5/29/2002
32FED-1A-31	SB	REG	0	C032C16901	EPA 8270-M	U	PYRENE	830 UG/KG	D	R	DL1 REG	5/24/2002	5/25/2002	5/29/2002
32FED-1A-31	SB	REG	0.5	C032C17001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0.5	C032C17001	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0.5	C032C17001	EPA 8270-M	U	ACENAPHTHYLENE	3.6 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0.5	C032C17001	EPA 8270-M	U	ANTHRACENE	6.3 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0.5	C032C17001	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.9 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0.5	C032C17001	EPA 8270-M	U	BENZO(A)PYRENE	17 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0.5	C032C17001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	23 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0.5	C032C17001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	23 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0.5	C032C17001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.2 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0.5	C032C17001	EPA 8270-M	U	CHRYSENE	15 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0.5	C032C17001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0.5	C032C17001	EPA 8270-M	U	FLUORANTHENE	14 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0.5	C032C17001	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0.5	C032C17001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	16 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0.5	C032C17001	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0.5	C032C17001	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	0.5	C032C17001	EPA 8270-M	U	PYRENE	18 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	2	C032C17101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	2	C032C17101	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	2	C032C17101	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	2	C032C17101	EPA 8270-M	U	ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	2	C032C17101	EPA 8270-M	U	BENZ(A)ANTHRACENE	13 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	2	C032C17101	EPA 8270-M	U	BENZO(A)PYRENE	21 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-31	SB	REG	2	C032C17101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	28 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	2	C032C17101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	30 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	2	C032C17101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	10 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	2	C032C17101	EPA 8270-M	U	CHRYSENE	16 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	2	C032C17101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	2	C032C17101	EPA 8270-M	U	FLUORANTHENE	15 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	2	C032C17101	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	2	C032C17101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	20 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	2	C032C17101	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	2	C032C17101	EPA 8270-M	U	PHENANTHRENE	6.8 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	2	C032C17101	EPA 8270-M	U	PYRENE	16 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	4	C032C17201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	4	C032C17201	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	4	C032C17201	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	4	C032C17201	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	4	C032C17201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	4	C032C17201	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	4	C032C17201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	4	C032C17201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	4	C032C17201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	4	C032C17201	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	4	C032C17201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	4	C032C17201	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	4	C032C17201	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	4	C032C17201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	4	C032C17201	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-31	SB	REG	4	C032C17201	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-31	SB	REG	4	C032C17201	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-32	SB	REG	0	C032C17301	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.4 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0	C032C17301	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0	C032C17301	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0	C032C17301	EPA 8270-M	U	ANTHRACENE	0.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0	C032C17301	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0	C032C17301	EPA 8270-M	U	BENZO(A)PYRENE	1.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0	C032C17301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0	C032C17301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	98 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0	C032C17301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0	C032C17301	EPA 8270-M	U	CHRYSENE	4.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0	C032C17301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	14 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0	C032C17301	EPA 8270-M	U	FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0	C032C17301	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0	C032C17301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.2 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0	C032C17301	EPA 8270-M	U	NAPHTHALENE	0.59 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0	C032C17301	EPA 8270-M	U	PHENANTHRENE	1.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0	C032C17301	EPA 8270-M	U	PYRENE	1.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0.5	C032C17401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0.5	C032C17401	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0.5	C032C17401	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0.5	C032C17401	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0.5	C032C17401	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0.5	C032C17401	EPA 8270-M	U	BENZO(A)PYRENE	0.65 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0.5	C032C17401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.64 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0.5	C032C17401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0.5	C032C17401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.52 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-32	SB	REG	0.5	C032C17401	EPA 8270-M	U	CHRYSENE	0.74 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0.5	C032C17401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0.5	C032C17401	EPA 8270-M	U	FLUORANTHENE	0.47 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0.5	C032C17401	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0.5	C032C17401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0.5	C032C17401	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0.5	C032C17401	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	0.5	C032C17401	EPA 8270-M	U	PYRENE	0.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	2	C032C17501	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.62 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/31/2002
32FED-1A-32	SB	REG	2	C032C17501	EPA 8270-M	U	ACENAPHTHENE	0.99 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/31/2002
32FED-1A-32	SB	REG	2	C032C17501	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/31/2002
32FED-1A-32	SB	REG	2	C032C17501	EPA 8270-M	U	ANTHRACENE	1.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/31/2002
32FED-1A-32	SB	REG	2	C032C17501	EPA 8270-M	U	BENZ(A)ANTHRACENE	18 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/31/2002
32FED-1A-32	SB	REG	2	C032C17501	EPA 8270-M	U	BENZO(A)PYRENE	32 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/31/2002
32FED-1A-32	SB	REG	2	C032C17501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	39 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/31/2002
32FED-1A-32	SB	REG	2	C032C17501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	13 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/31/2002
32FED-1A-32	SB	REG	2	C032C17501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	35 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/31/2002
32FED-1A-32	SB	REG	2	C032C17501	EPA 8270-M	U	CHRYSENE	23 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/31/2002
32FED-1A-32	SB	REG	2	C032C17501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/31/2002
32FED-1A-32	SB	REG	2	C032C17501	EPA 8270-M	U	FLUORANTHENE	24 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/31/2002
32FED-1A-32	SB	REG	2	C032C17501	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/31/2002
32FED-1A-32	SB	REG	2	C032C17501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	14 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/31/2002
32FED-1A-32	SB	REG	2	C032C17501	EPA 8270-M	U	NAPHTHALENE	0.67 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/31/2002
32FED-1A-32	SB	REG	2	C032C17501	EPA 8270-M	U	PHENANTHRENE	6.9 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/31/2002
32FED-1A-32	SB	REG	2	C032C17501	EPA 8270-M	U	PYRENE	26 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/31/2002
32FED-1A-32	SB	REG	4	C032C17601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	4	C032C17601	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-32	SB	REG	4	C032C17601	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	4	C032C17601	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	4	C032C17601	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.94 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	4	C032C17601	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	4	C032C17601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	4	C032C17601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	4	C032C17601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	4	C032C17601	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	4	C032C17601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	4	C032C17601	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	4	C032C17601	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	4	C032C17601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	4	C032C17601	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	4	C032C17601	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-32	SB	REG	4	C032C17601	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-33	SB	FD	0.5	C032C17901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	FD	0.5	C032C17901	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	FD	0.5	C032C17901	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	FD	0.5	C032C17901	EPA 8270-M	U	ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	FD	0.5	C032C17901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	FD	0.5	C032C17901	EPA 8270-M	U	BENZO(A)PYRENE	3.3 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	FD	0.5	C032C17901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.1 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	FD	0.5	C032C17901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG			000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	FD	0.5	C032C17901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.7 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	FD	0.5	C032C17901	EPA 8270-M	U	CHRYSENE	1.7 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	FD	0.5	C032C17901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG			000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	FD	0.5	C032C17901	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
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32FED-1A-33	SB	FD	0.5	C032C17901	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	FD	0.5	C032C17901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG			000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	FD	0.5	C032C17901	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	FD	0.5	C032C17901	EPA 8270-M	U	PHENANTHRENE	1.9 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	FD	0.5	C032C17901	EPA 8270-M	U	PYRENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	2-METHYLNAPHTHALENE	26 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	ACENAPHTHENE	26 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	ACENAPHTHYLENE	26 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	ANTHRACENE	26 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	BENZ(A)ANTHRACENE	26 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	BENZO(A)PYRENE	19 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	35 UG/KG			000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	28 UG/KG			000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	26 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	CHRYSENE	41 UG/KG			000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	11 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	FLUORANTHENE	26 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	FLUORENE	26 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	26 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	NAPHTHALENE	26 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	PHENANTHRENE	36 UG/KG			000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	PYRENE	23 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	2-METHYLNAPHTHALENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	ACENAPHTHENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	ACENAPHTHYLENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	ANTHRACENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	BENZ(A)ANTHRACENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/18/2002	5/20/2002

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	BENZO(A)PYRENE	20 UG/KG	J	R	DL1 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	36 UG/KG	J	R	DL1 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	31 UG/KG	J	R	DL1 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	CHRYSENE	42 UG/KG	J	R	DL1 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	FLUORANTHENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	FLUORENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	NAPHTHALENE	52 UG/KG	U	R	DL1 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	PHENANTHRENE	35 UG/KG	J	R	DL1 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0	C032C17701	EPA 8270-M	U	PYRENE	25 UG/KG	J	R	DL1 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	0.5	C032C17801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	0.5	C032C17801	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	0.5	C032C17801	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	0.5	C032C17801	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	0.5	C032C17801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	0.5	C032C17801	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	0.5	C032C17801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	0.5	C032C17801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	0.5	C032C17801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	0.5	C032C17801	EPA 8270-M	U	CHRYSENE	1.6 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	0.5	C032C17801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	0.5	C032C17801	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	0.5	C032C17801	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	0.5	C032C17801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	0.5	C032C17801	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-33	SB	REG	0.5	C032C17801	EPA 8270-M	U	PHENANTHRENE	1.8 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	0.5	C032C17801	EPA 8270-M	U	PYRENE	1.8 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	2	C032C18001	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.9 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	2	C032C18001	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	2	C032C18001	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	2	C032C18001	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	2	C032C18001	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.1 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	2	C032C18001	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	2	C032C18001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	15 UG/KG			000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	2	C032C18001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.7 UG/KG			000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	2	C032C18001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	2	C032C18001	EPA 8270-M	U	CHRYSENE	25 UG/KG			000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	2	C032C18001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.8 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	2	C032C18001	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	2	C032C18001	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	2	C032C18001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.7 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	2	C032C18001	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	2	C032C18001	EPA 8270-M	U	PHENANTHRENE	34 UG/KG			000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	2	C032C18001	EPA 8270-M	U	PYRENE	12 UG/KG			000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-33	SB	REG	4	C032C18101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	4	C032C18101	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	4	C032C18101	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	4	C032C18101	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	4	C032C18101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	4	C032C18101	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	4	C032C18101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	4	C032C18101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-33	SB	REG	4	C032C18101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	4	C032C18101	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	4	C032C18101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	4	C032C18101	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	4	C032C18101	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	4	C032C18101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	4	C032C18101	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	4	C032C18101	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-33	SB	REG	4	C032C18101	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-34	SB	REG	0	C032C18201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	0	C032C18201	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	0	C032C18201	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	0	C032C18201	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	0	C032C18201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	0	C032C18201	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	0	C032C18201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	0	C032C18201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	0	C032C18201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	0	C032C18201	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	0	C032C18201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	0	C032C18201	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	0	C032C18201	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	0	C032C18201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	0	C032C18201	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	0	C032C18201	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	0	C032C18201	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	0.5	C032C18301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-34	SB	REG	0.5	C032C18301	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	0.5	C032C18301	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	0.5	C032C18301	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	0.5	C032C18301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	0.5	C032C18301	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	0.5	C032C18301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	0.5	C032C18301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	0.5	C032C18301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	0.5	C032C18301	EPA 8270-M	U	CHRYSENE	5.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	0.5	C032C18301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	0.5	C032C18301	EPA 8270-M	U	FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	0.5	C032C18301	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	0.5	C032C18301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	0.5	C032C18301	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	0.5	C032C18301	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	0.5	C032C18301	EPA 8270-M	U	PYRENE	5.5 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	2	C032C18401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	2	C032C18401	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	2	C032C18401	EPA 8270-M	U	ACENAPHTHYLENE	3.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	2	C032C18401	EPA 8270-M	U	ANTHRACENE	3.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	2	C032C18401	EPA 8270-M	U	BENZ(A)ANTHRACENE	13 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	2	C032C18401	EPA 8270-M	U	BENZO(A)PYRENE	19 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	2	C032C18401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	13 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	2	C032C18401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	16 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	2	C032C18401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	11 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	2	C032C18401	EPA 8270-M	U	CHRYSENE	15 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	2	C032C18401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-34	SB	REG	2	C032C18401	EPA 8270-M	U	FLUORANTHENE	31 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	2	C032C18401	EPA 8270-M	U	FLUORENE	1.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	2	C032C18401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	12 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	2	C032C18401	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	2	C032C18401	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	2	C032C18401	EPA 8270-M	U	PYRENE	39 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-34	SB	REG	4	C032C18501	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	4	C032C18501	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	4	C032C18501	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	4	C032C18501	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	4	C032C18501	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	4	C032C18501	EPA 8270-M	U	BENZO(A)PYRENE	1.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	4	C032C18501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	4	C032C18501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	4	C032C18501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	4	C032C18501	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	4	C032C18501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	4	C032C18501	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	4	C032C18501	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	4	C032C18501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	4	C032C18501	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	4	C032C18501	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-34	SB	REG	4	C032C18501	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-35	SB	FD	4	C032C19001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	FD	4	C032C19001	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	FD	4	C032C19001	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	FD	4	C032C19001	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-35	SB	FD	4	C032C19001	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	FD	4	C032C19001	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	FD	4	C032C19001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	FD	4	C032C19001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	FD	4	C032C19001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	FD	4	C032C19001	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	FD	4	C032C19001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	FD	4	C032C19001	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	FD	4	C032C19001	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	FD	4	C032C19001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	FD	4	C032C19001	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	FD	4	C032C19001	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	FD	4	C032C19001	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	2-METHYLNAPHTHALENE	24 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	ACENAPHTHENE	54 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	ACENAPHTHYLENE	54 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	ANTHRACENE	54 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	BENZ(A)ANTHRACENE	54 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	BENZO(A)PYRENE	28 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	54 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	83 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	54 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	CHRYSENE	28 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	16 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	FLUORANTHENE	54 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	FLUORENE	54 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	14 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	NAPHTHALENE	54 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	PHENANTHRENE	54 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	PYRENE	54 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	2-METHYLNAPHTHALENE	54 UG/KG	U	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	ACENAPHTHENE	54 UG/KG	U	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	ACENAPHTHYLENE	54 UG/KG	U	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	ANTHRACENE	54 UG/KG	U	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	BENZ(A)ANTHRACENE	54 UG/KG	U	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	BENZO(A)PYRENE	54 UG/KG	U	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	54 UG/KG	U	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	72 UG/KG		R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	54 UG/KG	U	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	CHRYSENE	54 UG/KG	U	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	54 UG/KG	U	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	FLUORANTHENE	54 UG/KG	U	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	FLUORENE	23 UG/KG	J	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	54 UG/KG	U	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	NAPHTHALENE	54 UG/KG	U	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	PHENANTHRENE	32 UG/KG	J	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32FED-1A-35	SB	REG	0	C032C18601	EPA 8270-M	U	PYRENE	54 UG/KG	U	R	RA0 REG	5/15/2002	5/20/2002	5/23/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	R	000 REG	5/15/2002	5/16/2002	5/16/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	R	000 REG	5/15/2002	5/16/2002	5/16/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	R	000 REG	5/15/2002	5/16/2002	5/16/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	R	000 REG	5/15/2002	5/16/2002	5/16/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	R	000 REG	5/15/2002	5/16/2002	5/16/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	R	000 REG	5/15/2002	5/16/2002	5/16/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	R	000 REG	5/15/2002	5/16/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.9 UG/KG	J	R	000 REG	5/15/2002	5/16/2002	5/16/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	R	000 REG	5/15/2002	5/16/2002	5/16/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	R	000 REG	5/15/2002	5/16/2002	5/16/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	R	000 REG	5/15/2002	5/16/2002	5/16/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	R	000 REG	5/15/2002	5/16/2002	5/16/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	R	000 REG	5/15/2002	5/16/2002	5/16/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	R	000 REG	5/15/2002	5/16/2002	5/16/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	R	000 REG	5/15/2002	5/16/2002	5/16/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	R	000 REG	5/15/2002	5/16/2002	5/16/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	R	000 REG	5/15/2002	5/16/2002	5/16/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.9 UG/KG	J	J	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	U	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	U	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	RA0 REG	5/15/2002	5/22/2002	5/23/2002
32FED-1A-35	SB	REG	0.5	C032C18701	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	U	RA0 REG	5/15/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-35	SB	REG	2	C032C18801	EPA 8270-M	U	2-METHYLNAPHTHALENE	8.9 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	2	C032C18801	EPA 8270-M	U	ACENAPHTHENE	6.9 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	2	C032C18801	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	2	C032C18801	EPA 8270-M	U	ANTHRACENE	13 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	2	C032C18801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	2	C032C18801	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	2	C032C18801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	2	C032C18801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	9.4 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	2	C032C18801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	2	C032C18801	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	2	C032C18801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	2	C032C18801	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	2	C032C18801	EPA 8270-M	U	FLUORENE	4.6 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	2	C032C18801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	2	C032C18801	EPA 8270-M	U	NAPHTHALENE	2.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	2	C032C18801	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	2	C032C18801	EPA 8270-M	U	PYRENE	3.7 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	4	C032C18901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	4	C032C18901	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	4	C032C18901	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	4	C032C18901	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	4	C032C18901	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	4	C032C18901	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	4	C032C18901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	4	C032C18901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	4	C032C18901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	4	C032C18901	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-35	SB	REG	4	C032C18901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	4	C032C18901	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	4	C032C18901	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	4	C032C18901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	4	C032C18901	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	4	C032C18901	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-35	SB	REG	4	C032C18901	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-36	SB	REG	0	C032C19101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0	C032C19101	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0	C032C19101	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0	C032C19101	EPA 8270-M	U	ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0	C032C19101	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0	C032C19101	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0	C032C19101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	9 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0	C032C19101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	9.6 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0	C032C19101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.7 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0	C032C19101	EPA 8270-M	U	CHRYSENE	11 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0	C032C19101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0	C032C19101	EPA 8270-M	U	FLUORANTHENE	13 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0	C032C19101	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0	C032C19101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.6 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0	C032C19101	EPA 8270-M	U	NAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0	C032C19101	EPA 8270-M	U	PHENANTHRENE	7.5 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0	C032C19101	EPA 8270-M	U	PYRENE	13 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0.5	C032C19201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0.5	C032C19201	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0.5	C032C19201	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-36	SB	REG	0.5	C032C19201	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0.5	C032C19201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0.5	C032C19201	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0.5	C032C19201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0.5	C032C19201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0.5	C032C19201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0.5	C032C19201	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0.5	C032C19201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0.5	C032C19201	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0.5	C032C19201	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0.5	C032C19201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.59 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0.5	C032C19201	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0.5	C032C19201	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	0.5	C032C19201	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	2	C032C19301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	2	C032C19301	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	2	C032C19301	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	2	C032C19301	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	2	C032C19301	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	2	C032C19301	EPA 8270-M	U	BENZO(A)PYRENE	2.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	2	C032C19301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	2	C032C19301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	2	C032C19301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	2	C032C19301	EPA 8270-M	U	CHRYSENE	3.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	2	C032C19301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	2	C032C19301	EPA 8270-M	U	FLUORANTHENE	3.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	2	C032C19301	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-36	SB	REG	2	C032C19301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	2	C032C19301	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	2	C032C19301	EPA 8270-M	U	PHENANTHRENE	2.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	2	C032C19301	EPA 8270-M	U	PYRENE	4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	4	C032C19401	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	4	C032C19401	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	4	C032C19401	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	4	C032C19401	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	4	C032C19401	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	4	C032C19401	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	4	C032C19401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	4	C032C19401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	4	C032C19401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	4	C032C19401	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	4	C032C19401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	4	C032C19401	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	4	C032C19401	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	4	C032C19401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	4	C032C19401	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	4	C032C19401	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-36	SB	REG	4	C032C19401	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-37	SB	REG	0	C032C19501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0	C032C19501	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0	C032C19501	EPA 8270-M	U	ACENAPHTHYLENE	2.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0	C032C19501	EPA 8270-M	U	ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0	C032C19501	EPA 8270-M	U	BENZ(A)ANTHRACENE	17 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0	C032C19501	EPA 8270-M	U	BENZO(A)PYRENE	31 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-37	SB	REG	0	C032C19501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	51 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0	C032C19501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	58 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0	C032C19501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0	C032C19501	EPA 8270-M	U	CHRYSENE	85 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0	C032C19501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	24 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0	C032C19501	EPA 8270-M	U	FLUORANTHENE	18 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0	C032C19501	EPA 8270-M	U	FLUORENE	2.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0	C032C19501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	34 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0	C032C19501	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0	C032C19501	EPA 8270-M	U	PHENANTHRENE	28 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0	C032C19501	EPA 8270-M	U	PYRENE	38 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0.5	C032C19601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0.5	C032C19601	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0.5	C032C19601	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0.5	C032C19601	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0.5	C032C19601	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0.5	C032C19601	EPA 8270-M	U	BENZO(A)PYRENE	8.4 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0.5	C032C19601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0.5	C032C19601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.2 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0.5	C032C19601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0.5	C032C19601	EPA 8270-M	U	CHRYSENE	5.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0.5	C032C19601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0.5	C032C19601	EPA 8270-M	U	FLUORANTHENE	11 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0.5	C032C19601	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0.5	C032C19601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.3 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0.5	C032C19601	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	0.5	C032C19601	EPA 8270-M	U	PHENANTHRENE	4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-37	SB	REG	0.5	C032C19601	EPA 8270-M	U	PYRENE	15 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	2	C032C19701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-37	SB	REG	2	C032C19701	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-37	SB	REG	2	C032C19701	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-37	SB	REG	2	C032C19701	EPA 8270-M	U	ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-37	SB	REG	2	C032C19701	EPA 8270-M	U	BENZ(A)ANTHRACENE	15 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-37	SB	REG	2	C032C19701	EPA 8270-M	U	BENZO(A)PYRENE	24 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-37	SB	REG	2	C032C19701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	19 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-37	SB	REG	2	C032C19701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	27 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-37	SB	REG	2	C032C19701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	11 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-37	SB	REG	2	C032C19701	EPA 8270-M	U	CHRYSENE	25 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-37	SB	REG	2	C032C19701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-37	SB	REG	2	C032C19701	EPA 8270-M	U	FLUORANTHENE	27 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-37	SB	REG	2	C032C19701	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-37	SB	REG	2	C032C19701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	20 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-37	SB	REG	2	C032C19701	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-37	SB	REG	2	C032C19701	EPA 8270-M	U	PHENANTHRENE	13 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-37	SB	REG	2	C032C19701	EPA 8270-M	U	PYRENE	41 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-37	SB	REG	4	C032C19801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	4	C032C19801	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	4	C032C19801	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	4	C032C19801	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	4	C032C19801	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	4	C032C19801	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	4	C032C19801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	4	C032C19801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	4	C032C19801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
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32FED-1A-37	SB	REG	4	C032C19801	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	4	C032C19801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	4	C032C19801	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	4	C032C19801	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	4	C032C19801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	4	C032C19801	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	4	C032C19801	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-37	SB	REG	4	C032C19801	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-38	SB	FD	0.5	C032C20101	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	FD	0.5	C032C20101	EPA 8270-M	U	ACENAPHTHENE	3.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	FD	0.5	C032C20101	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	FD	0.5	C032C20101	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	FD	0.5	C032C20101	EPA 8270-M	U	BENZ(A)ANTHRACENE	110 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	FD	0.5	C032C20101	EPA 8270-M	U	BENZO(A)PYRENE	200 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	FD	0.5	C032C20101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	240 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	FD	0.5	C032C20101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	130 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	FD	0.5	C032C20101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	79 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	FD	0.5	C032C20101	EPA 8270-M	U	CHRYSENE	130 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	FD	0.5	C032C20101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	33 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	FD	0.5	C032C20101	EPA 8270-M	U	FLUORANTHENE	110 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	FD	0.5	C032C20101	EPA 8270-M	U	FLUORENE	2.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	FD	0.5	C032C20101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	170 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	FD	0.5	C032C20101	EPA 8270-M	U	NAPHTHALENE	2.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	FD	0.5	C032C20101	EPA 8270-M	U	PHENANTHRENE	25 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	FD	0.5	C032C20101	EPA 8270-M	U	PYRENE	110 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	2-METHYLNAPHTHALENE	170 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	ACENAPHTHENE	670 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	ACENAPHTHYLENE	4.4 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	ANTHRACENE	710 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	BENZ(A)ANTHRACENE	180 UG/KG		R	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	270 UG/KG		R	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	32000 UG/KG	E	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	CHRYSENE	350000 UG/KG	E	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	590000 UG/KG	E	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	FLUORANTHENE	6600 UG/KG	E	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	FLUORENE	310 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	470000 UG/KG	E	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	NAPHTHALENE	360 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	PHENANTHRENE	2200 UG/KG	E	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	PYRENE	120000 UG/KG	E	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	2-METHYLNAPHTHALENE	570 UG/KG	U	R	DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	ACENAPHTHENE	760 UG/KG	D	R	DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	ACENAPHTHYLENE	570 UG/KG	U	R	DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	ANTHRACENE	780 UG/KG	D	R	DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	BENZ(A)ANTHRACENE	35000 UG/KG	D		DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	BENZO(A)PYRENE	72000 UG/KG	D		DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	87000 UG/KG	D		DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	36000 UG/KG	D		DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	31000 UG/KG	D		DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	CHRYSENE	43000 UG/KG	D		DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	12000 UG/KG	D		DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	FLUORANTHENE	22000 UG/KG	D		DL1 REG	5/23/2002	5/24/2002	5/28/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	FLUORENE	360 UG/KG	JD	R	DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	52000 UG/KG	D		DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	NAPHTHALENE	610 UG/KG	D	R	DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	PHENANTHRENE	2800 UG/KG	D		DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	0	C032C19901	EPA 8270-M	U	PYRENE	25000 UG/KG	D		DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	0.5	C032C20001	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0.5	C032C20001	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0.5	C032C20001	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0.5	C032C20001	EPA 8270-M	U	ANTHRACENE	9.8 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0.5	C032C20001	EPA 8270-M	U	BENZ(A)ANTHRACENE	140 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0.5	C032C20001	EPA 8270-M	U	BENZO(A)PYRENE	250 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0.5	C032C20001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	300 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0.5	C032C20001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	150 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0.5	C032C20001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	110 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0.5	C032C20001	EPA 8270-M	U	CHRYSENE	180 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0.5	C032C20001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	39 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0.5	C032C20001	EPA 8270-M	U	FLUORANTHENE	170 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0.5	C032C20001	EPA 8270-M	U	FLUORENE	3.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0.5	C032C20001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	210 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0.5	C032C20001	EPA 8270-M	U	NAPHTHALENE	3.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0.5	C032C20001	EPA 8270-M	U	PHENANTHRENE	43 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	0.5	C032C20001	EPA 8270-M	U	PYRENE	160 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	2-METHYLNAPHTHALENE	200 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	ACENAPHTHENE	37 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	ANTHRACENE	35 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	BENZ(A)ANTHRACENE	560 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	BENZO(A)PYRENE	1200 UG/KG	E	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1300 UG/KG	E	R	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	580 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	620 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	CHRYSENE	820 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	340 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	FLUORANTHENE	490 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	FLUORENE	150 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	840 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	NAPHTHALENE	38 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	PHENANTHRENE	380 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	PYRENE	600 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	2-METHYLNAPHTHALENE	210 UG/KG	D	R	DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	ACENAPHTHENE	44 UG/KG	JD	R	DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	ACENAPHTHYLENE	57 UG/KG	U	R	DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	ANTHRACENE	36 UG/KG	JD	R	DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	BENZ(A)ANTHRACENE	570 UG/KG	D	R	DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	BENZO(A)PYRENE	1100 UG/KG	D		DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1300 UG/KG	D		DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	640 UG/KG	D	R	DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	430 UG/KG	D	R	DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	CHRYSENE	870 UG/KG	D	R	DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	190 UG/KG	D	R	DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	FLUORANTHENE	530 UG/KG	D	R	DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	FLUORENE	160 UG/KG	D	R	DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	850 UG/KG	D	R	DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	NAPHTHALENE	43 UG/KG	JD	R	DL1 REG	5/23/2002	5/24/2002	5/28/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
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32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	PHENANTHRENE	400 UG/KG	D	R	DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	2	C032C20201	EPA 8270-M	U	PYRENE	620 UG/KG	D	R	DL1 REG	5/23/2002	5/24/2002	5/28/2002
32FED-1A-38	SB	REG	4	C032C20301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	4	C032C20301	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	4	C032C20301	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	4	C032C20301	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	4	C032C20301	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.4 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	4	C032C20301	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	4	C032C20301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	4	C032C20301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	4	C032C20301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	4	C032C20301	EPA 8270-M	U	CHRYSENE	7 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	4	C032C20301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	4	C032C20301	EPA 8270-M	U	FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	4	C032C20301	EPA 8270-M	U	FLUORENE	4.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	4	C032C20301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.4 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	4	C032C20301	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	4	C032C20301	EPA 8270-M	U	PHENANTHRENE	9 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-38	SB	REG	4	C032C20301	EPA 8270-M	U	PYRENE	3.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-39	SB	REG	0	C032C00101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0	C032C00101	EPA 8270-M	U	ACENAPHTHENE	2.6 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0	C032C00101	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0	C032C00101	EPA 8270-M	U	ANTHRACENE	9.2 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0	C032C00101	EPA 8270-M	U	BENZ(A)ANTHRACENE	19 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0	C032C00101	EPA 8270-M	U	BENZO(A)PYRENE	26 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0	C032C00101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	38 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0	C032C00101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	32 UG/KG		J	000 REG	4/27/2002	4/30/2002	5/1/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-39	SB	REG	0	C032C00101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0	C032C00101	EPA 8270-M	U	CHRYSENE	75 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0	C032C00101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	14 UG/KG		J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0	C032C00101	EPA 8270-M	U	FLUORANTHENE	11 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0	C032C00101	EPA 8270-M	U	FLUORENE	11 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0	C032C00101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0	C032C00101	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0	C032C00101	EPA 8270-M	U	PHENANTHRENE	49 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0	C032C00101	EPA 8270-M	U	PYRENE	30 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0.5	C032C00201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0.5	C032C00201	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0.5	C032C00201	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0.5	C032C00201	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0.5	C032C00201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0.5	C032C00201	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0.5	C032C00201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0.5	C032C00201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.2 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0.5	C032C00201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0.5	C032C00201	EPA 8270-M	U	CHRYSENE	2.4 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0.5	C032C00201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0.5	C032C00201	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0.5	C032C00201	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0.5	C032C00201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.86 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0.5	C032C00201	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0.5	C032C00201	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	0.5	C032C00201	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	2	C032C00301	EPA 8270-M	U	2-METHYLNAPHTHALENE	77 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-39	SB	REG	2	C032C00301	EPA 8270-M	U	ACENAPHTHENE	12 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	2	C032C00301	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	2	C032C00301	EPA 8270-M	U	ANTHRACENE	6.3 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	2	C032C00301	EPA 8270-M	U	BENZ(A)ANTHRACENE	22 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	2	C032C00301	EPA 8270-M	U	BENZO(A)PYRENE	24 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	2	C032C00301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	41 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	2	C032C00301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	24 UG/KG		J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	2	C032C00301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	2	C032C00301	EPA 8270-M	U	CHRYSENE	88 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	2	C032C00301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	12 UG/KG		J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	2	C032C00301	EPA 8270-M	U	FLUORANTHENE	15 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	2	C032C00301	EPA 8270-M	U	FLUORENE	47 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	2	C032C00301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.4 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	2	C032C00301	EPA 8270-M	U	NAPHTHALENE	10 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	2	C032C00301	EPA 8270-M	U	PHENANTHRENE	120 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	2	C032C00301	EPA 8270-M	U	PYRENE	31 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	4	C032C00401	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	4	C032C00401	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	4	C032C00401	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	4	C032C00401	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	4	C032C00401	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	4	C032C00401	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	4	C032C00401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	4	C032C00401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	UJ	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	4	C032C00401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	4	C032C00401	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	4	C032C00401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	4/27/2002	4/30/2002	5/1/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-39	SB	REG	4	C032C00401	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	4	C032C00401	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	4	C032C00401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	4	C032C00401	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	4	C032C00401	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-39	SB	REG	4	C032C00401	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	2-METHYLNAPHTHALENE	13 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	ACENAPHTHENE	59 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	ACENAPHTHYLENE	59 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	BENZ(A)ANTHRACENE	22 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	BENZO(A)PYRENE	45 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	54 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	56 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	49 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	CHRYSENE	82 UG/KG			000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	16 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	FLUORANTHENE	82 UG/KG			000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	FLUORENE	59 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	37 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	NAPHTHALENE	12 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	PHENANTHRENE	37 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	PYRENE	83 UG/KG			000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	2-METHYLNAPHTHALENE	590 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	ACENAPHTHENE	590 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	ACENAPHTHYLENE	590 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	ANTHRACENE	590 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	BENZ(A)ANTHRACENE	41 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	BENZO(A)PYRENE	47 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	590 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	71 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	38 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	CHRYSENE	84 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	37 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	FLUORANTHENE	99 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	FLUORENE	590 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	590 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	NAPHTHALENE	590 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	PHENANTHRENE	49 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	0	C032C05001	EPA 8270-M	U	PYRENE	97 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	0.5	C032C05101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	0.5	C032C05101	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	0.5	C032C05101	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	0.5	C032C05101	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	0.5	C032C05101	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.35 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	0.5	C032C05101	EPA 8270-M	U	BENZO(A)PYRENE	0.66 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	0.5	C032C05101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.65 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	0.5	C032C05101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.89 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	0.5	C032C05101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.46 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	0.5	C032C05101	EPA 8270-M	U	CHRYSENE	0.46 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	0.5	C032C05101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	0.5	C032C05101	EPA 8270-M	U	FLUORANTHENE	0.68 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	0.5	C032C05101	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	0.5	C032C05101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.81 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-4	SB	REG	0.5	C032C05101	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	0.5	C032C05101	EPA 8270-M	U	PHENANTHRENE	0.45 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	0.5	C032C05101	EPA 8270-M	U	PYRENE	0.88 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.85 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	ACENAPHTHENE	12 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	ACENAPHTHYLENE	12 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	ANTHRACENE	12 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	BENZ(A)ANTHRACENE	3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	BENZO(A)PYRENE	6.7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	10 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8.3 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	CHRYSENE	10 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	12 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	FLUORANTHENE	7 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	FLUORENE	12 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	NAPHTHALENE	0.79 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	PHENANTHRENE	3.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	PYRENE	7.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/21/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	2-METHYLNAPHTHALENE	59 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	ACENAPHTHENE	59 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	ACENAPHTHYLENE	59 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	ANTHRACENE	59 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	BENZO(A)PYRENE	6.3 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.6 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	11 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.3 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	CHRYSENE	12 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	FLUORANTHENE	7.7 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	FLUORENE	59 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.6 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	NAPHTHALENE	59 UG/KG	U	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	PHENANTHRENE	3.9 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	2	C032C05201	EPA 8270-M	U	PYRENE	9.3 UG/KG	J	R	DL1 REG	5/13/2002	5/14/2002	5/16/2002
32FED-1A-4	SB	REG	4	C032C05301	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	4	C032C05301	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	4	C032C05301	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	4	C032C05301	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	4	C032C05301	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.85 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	4	C032C05301	EPA 8270-M	U	BENZO(A)PYRENE	1.4 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	4	C032C05301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	4	C032C05301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.88 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	4	C032C05301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.1 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	4	C032C05301	EPA 8270-M	U	CHRYSENE	0.87 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	4	C032C05301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	4	C032C05301	EPA 8270-M	U	FLUORANTHENE	0.55 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	4	C032C05301	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	4	C032C05301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.9 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	4	C032C05301	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	4	C032C05301	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/13/2002	5/14/2002	5/15/2002
32FED-1A-4	SB	REG	4	C032C05301	EPA 8270-M	U	PYRENE	0.97 UG/KG	J	J	000 REG	5/13/2002	5/14/2002	5/15/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	2-METHYLNAPHTHALENE	1000 UG/KG	E	R	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	ACENAPHTHENE	27 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	BENZ(A)ANTHRACENE	26 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	BENZO(A)PYRENE	53 UG/KG		R	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	140 UG/KG		R	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	73 UG/KG		R	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.1 UG/KG	U	R	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	CHRYSENE	280 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	34 UG/KG		R	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	FLUORANTHENE	13 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	FLUORENE	89 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	11 UG/KG		R	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	NAPHTHALENE	290 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	PHENANTHRENE	110 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	PYRENE	63 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	2-METHYLNAPHTHALENE	1000 UG/KG	D		DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	ACENAPHTHENE	31 UG/KG	JD	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	ACENAPHTHYLENE	51 UG/KG	U	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	ANTHRACENE	51 UG/KG	U	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	BENZ(A)ANTHRACENE	27 UG/KG	JD	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	BENZO(A)PYRENE	50 UG/KG	JD		DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	140 UG/KG	D		DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	92 UG/KG	D		DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	51 UG/KG	U	U	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	CHRYSENE	290 UG/KG	D	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	44 UG/KG	JD		DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	FLUORANTHENE	51 UG/KG	U	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	FLUORENE	91 UG/KG	D	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	51 UG/KG	U	U	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	NAPHTHALENE	270 UG/KG	D	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	PHENANTHRENE	100 UG/KG	D	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0	C032C00501	EPA 8270-M	U	PYRENE	67 UG/KG	D	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-40	SB	REG	0.5	C032C00601	EPA 8270-M	U	2-METHYLNAPHTHALENE	26 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	0.5	C032C00601	EPA 8270-M	U	ACENAPHTHENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	0.5	C032C00601	EPA 8270-M	U	ACENAPHTHYLENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	0.5	C032C00601	EPA 8270-M	U	ANTHRACENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	0.5	C032C00601	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.6 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	0.5	C032C00601	EPA 8270-M	U	BENZO(A)PYRENE	8.6 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	0.5	C032C00601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	16 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	0.5	C032C00601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	27 UG/KG		J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	0.5	C032C00601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	0.5	C032C00601	EPA 8270-M	U	CHRYSENE	23 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	0.5	C032C00601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	10 UG/KG		J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	0.5	C032C00601	EPA 8270-M	U	FLUORANTHENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	0.5	C032C00601	EPA 8270-M	U	FLUORENE	2.1 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	0.5	C032C00601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	0.5	C032C00601	EPA 8270-M	U	NAPHTHALENE	7.6 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	0.5	C032C00601	EPA 8270-M	U	PHENANTHRENE	2.9 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	0.5	C032C00601	EPA 8270-M	U	PYRENE	5.3 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	2	C032C00701	EPA 8270-M	U	2-METHYLNAPHTHALENE	76 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	2	C032C00701	EPA 8270-M	U	ACENAPHTHENE	2.3 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	2	C032C00701	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-40	SB	REG	2	C032C00701	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	2	C032C00701	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.8 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	2	C032C00701	EPA 8270-M	U	BENZO(A)PYRENE	3.6 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	2	C032C00701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.5 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	2	C032C00701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.8 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	2	C032C00701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	2	C032C00701	EPA 8270-M	U	CHRYSENE	19 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	2	C032C00701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.3 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	2	C032C00701	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	2	C032C00701	EPA 8270-M	U	FLUORENE	6.7 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	2	C032C00701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	2	C032C00701	EPA 8270-M	U	NAPHTHALENE	21 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	2	C032C00701	EPA 8270-M	U	PHENANTHRENE	7.3 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	2	C032C00701	EPA 8270-M	U	PYRENE	4.9 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	4	C032C00801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	4	C032C00801	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	4	C032C00801	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	4	C032C00801	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	4	C032C00801	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	4	C032C00801	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	4	C032C00801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	4	C032C00801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	UJ	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	4	C032C00801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	4	C032C00801	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	4	C032C00801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	UJ	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	4	C032C00801	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	4	C032C00801	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-40	SB	REG	4	C032C00801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.71 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	4	C032C00801	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	4	C032C00801	EPA 8270-M	U	PHENANTHRENE	2.1 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-40	SB	REG	4	C032C00801	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-41	SB	FD	0.5	C032C01101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	FD	0.5	C032C01101	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	FD	0.5	C032C01101	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	FD	0.5	C032C01101	EPA 8270-M	U	ANTHRACENE	2 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	FD	0.5	C032C01101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	FD	0.5	C032C01101	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	FD	0.5	C032C01101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.4 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	FD	0.5	C032C01101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.3 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	FD	0.5	C032C01101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	FD	0.5	C032C01101	EPA 8270-M	U	CHRYSENE	4.6 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	FD	0.5	C032C01101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	FD	0.5	C032C01101	EPA 8270-M	U	FLUORANTHENE	1.7 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	FD	0.5	C032C01101	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	FD	0.5	C032C01101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.73 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	FD	0.5	C032C01101	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	FD	0.5	C032C01101	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG			000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	FD	0.5	C032C01101	EPA 8270-M	U	PYRENE	2.3 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	FD	4	C032C02201	EPA 8270-M	U	2-METHYLNAPHTHALENE	26 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-41	SB	FD	4	C032C02201	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-41	SB	FD	4	C032C02201	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-41	SB	FD	4	C032C02201	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-41	SB	FD	4	C032C02201	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.1 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-41	SB	FD	4	C032C02201	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-41	SB	FD	4	C032C02201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	9.7 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-41	SB	FD	4	C032C02201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG		J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-41	SB	FD	4	C032C02201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-41	SB	FD	4	C032C02201	EPA 8270-M	U	CHRYSENE	22 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-41	SB	FD	4	C032C02201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.3 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-41	SB	FD	4	C032C02201	EPA 8270-M	U	FLUORANTHENE	4.4 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-41	SB	FD	4	C032C02201	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-41	SB	FD	4	C032C02201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-41	SB	FD	4	C032C02201	EPA 8270-M	U	NAPHTHALENE	2.2 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-41	SB	FD	4	C032C02201	EPA 8270-M	U	PHENANTHRENE	86 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-41	SB	FD	4	C032C02201	EPA 8270-M	U	PYRENE	8.6 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	2-METHYLNAPHTHALENE	350 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	ACENAPHTHENE	9.4 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	ANTHRACENE	5.1 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	BENZ(A)ANTHRACENE	41 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	BENZO(A)PYRENE	73 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	190 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	87 UG/KG		J	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.1 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	CHRYSENE	410 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	56 UG/KG		J	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	FLUORANTHENE	40 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	12 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	NAPHTHALENE	29 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	PHENANTHRENE	1300 UG/KG	E	R	000 REG	4/27/2002	4/30/2002	5/3/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	PYRENE	150 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	2-METHYLNAPHTHALENE	340 UG/KG	D	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	ACENAPHTHENE	51 UG/KG	U	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	ACENAPHTHYLENE	51 UG/KG	U	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	ANTHRACENE	51 UG/KG	U	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	BENZ(A)ANTHRACENE	44 UG/KG	JD	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	BENZO(A)PYRENE	68 UG/KG	D	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	190 UG/KG	D	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	120 UG/KG	D	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	51 UG/KG	U	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	CHRYSENE	410 UG/KG	D	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	60 UG/KG	D	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	FLUORANTHENE	67 UG/KG	D	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	FLUORENE	51 UG/KG	U	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	51 UG/KG	U	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	NAPHTHALENE	33 UG/KG	JD	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	PHENANTHRENE	1400 UG/KG	D		DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0	C032C00901	EPA 8270-M	U	PYRENE	160 UG/KG	D	R	DL1 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-41	SB	REG	0.5	C032C01001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	0.5	C032C01001	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	0.5	C032C01001	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	0.5	C032C01001	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	0.5	C032C01001	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	0.5	C032C01001	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	0.5	C032C01001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.1 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	0.5	C032C01001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.5 UG/KG			000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	0.5	C032C01001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-41	SB	REG	0.5	C032C01001	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	0.5	C032C01001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.1 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	0.5	C032C01001	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	0.5	C032C01001	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	0.5	C032C01001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.1 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	0.5	C032C01001	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	0.5	C032C01001	EPA 8270-M	U	PHENANTHRENE	3.2 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	0.5	C032C01001	EPA 8270-M	U	PYRENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	2	C032C01201	EPA 8270-M	U	2-METHYLNAPHTHALENE	32 UG/KG			000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	2	C032C01201	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	2	C032C01201	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	2	C032C01201	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	2	C032C01201	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.7 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	2	C032C01201	EPA 8270-M	U	BENZO(A)PYRENE	3.1 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	2	C032C01201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.8 UG/KG			000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	2	C032C01201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	2	C032C01201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	2	C032C01201	EPA 8270-M	U	CHRYSENE	25 UG/KG			000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	2	C032C01201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.2 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	2	C032C01201	EPA 8270-M	U	FLUORANTHENE	4.7 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	2	C032C01201	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	2	C032C01201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.1 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	2	C032C01201	EPA 8270-M	U	NAPHTHALENE	2.2 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	2	C032C01201	EPA 8270-M	U	PHENANTHRENE	120 UG/KG			000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	2	C032C01201	EPA 8270-M	U	PYRENE	8.9 UG/KG			000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	4	C032C01301	EPA 8270-M	U	2-METHYLNAPHTHALENE	22 UG/KG			000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	4	C032C01301	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-41	SB	REG	4	C032C01301	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	4	C032C01301	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	4	C032C01301	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.4 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	4	C032C01301	EPA 8270-M	U	BENZO(A)PYRENE	3.7 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	4	C032C01301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.4 UG/KG			000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	4	C032C01301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8 UG/KG			000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	4	C032C01301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	4	C032C01301	EPA 8270-M	U	CHRYSENE	19 UG/KG			000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	4	C032C01301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	4	C032C01301	EPA 8270-M	U	FLUORANTHENE	3.8 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	4	C032C01301	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	4	C032C01301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.6 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	4	C032C01301	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	4	C032C01301	EPA 8270-M	U	PHENANTHRENE	63 UG/KG			000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-41	SB	REG	4	C032C01301	EPA 8270-M	U	PYRENE	6.6 UG/KG			000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-42	SB	REG	0	C032C20401	EPA 8270-M	U	2-METHYLNAPHTHALENE	320 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0	C032C20401	EPA 8270-M	U	ACENAPHTHENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0	C032C20401	EPA 8270-M	U	ACENAPHTHYLENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0	C032C20401	EPA 8270-M	U	ANTHRACENE	43 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0	C032C20401	EPA 8270-M	U	BENZ(A)ANTHRACENE	25 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0	C032C20401	EPA 8270-M	U	BENZO(A)PYRENE	33 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0	C032C20401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	61 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0	C032C20401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	88 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0	C032C20401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	32 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0	C032C20401	EPA 8270-M	U	CHRYSENE	240 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0	C032C20401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	37 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0	C032C20401	EPA 8270-M	U	FLUORANTHENE	13 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-42	SB	REG	0	C032C20401	EPA 8270-M	U	FLUORENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0	C032C20401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0	C032C20401	EPA 8270-M	U	NAPHTHALENE	35 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0	C032C20401	EPA 8270-M	U	PHENANTHRENE	660 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0	C032C20401	EPA 8270-M	U	PYRENE	93 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0.5	C032C20501	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.36 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0.5	C032C20501	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0.5	C032C20501	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0.5	C032C20501	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0.5	C032C20501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0.5	C032C20501	EPA 8270-M	U	BENZO(A)PYRENE	1.2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0.5	C032C20501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.67 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0.5	C032C20501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0.5	C032C20501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.63 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0.5	C032C20501	EPA 8270-M	U	CHRYSENE	1.6 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0.5	C032C20501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0.5	C032C20501	EPA 8270-M	U	FLUORANTHENE	0.49 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0.5	C032C20501	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0.5	C032C20501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0.5	C032C20501	EPA 8270-M	U	NAPHTHALENE	0.35 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0.5	C032C20501	EPA 8270-M	U	PHENANTHRENE	2.5 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	0.5	C032C20501	EPA 8270-M	U	PYRENE	0.98 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	2	C032C20601	EPA 8270-M	U	2-METHYLNAPHTHALENE	240 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	2	C032C20601	EPA 8270-M	U	ACENAPHTHENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	2	C032C20601	EPA 8270-M	U	ACENAPHTHYLENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	2	C032C20601	EPA 8270-M	U	ANTHRACENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	2	C032C20601	EPA 8270-M	U	BENZ(A)ANTHRACENE	10 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-42	SB	REG	2	C032C20601	EPA 8270-M	U	BENZO(A)PYRENE	8.2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	2	C032C20601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	25 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	2	C032C20601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	17 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	2	C032C20601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	2	C032C20601	EPA 8270-M	U	CHRYSENE	83 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	2	C032C20601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	2	C032C20601	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	2	C032C20601	EPA 8270-M	U	FLUORENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	2	C032C20601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	100 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	2	C032C20601	EPA 8270-M	U	NAPHTHALENE	19 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	2	C032C20601	EPA 8270-M	U	PHENANTHRENE	370 UG/KG			000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	2	C032C20601	EPA 8270-M	U	PYRENE	25 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	4	C032C20701	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.31 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	4	C032C20701	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	4	C032C20701	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	4	C032C20701	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	4	C032C20701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	4	C032C20701	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	4	C032C20701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	4	C032C20701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	4	C032C20701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	4	C032C20701	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	4	C032C20701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	4	C032C20701	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	4	C032C20701	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	4	C032C20701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	4	C032C20701	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-42	SB	REG	4	C032C20701	EPA 8270-M	U	PHENANTHRENE	1 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-42	SB	REG	4	C032C20701	EPA 8270-M	U	PYRENE	0.48 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-43	SB	FD	4	C032C21201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	FD	4	C032C21201	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	FD	4	C032C21201	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	FD	4	C032C21201	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	FD	4	C032C21201	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.52 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	FD	4	C032C21201	EPA 8270-M	U	BENZO(A)PYRENE	0.71 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	FD	4	C032C21201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.64 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	FD	4	C032C21201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	FD	4	C032C21201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.66 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	FD	4	C032C21201	EPA 8270-M	U	CHRYSENE	0.68 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	FD	4	C032C21201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	FD	4	C032C21201	EPA 8270-M	U	FLUORANTHENE	0.72 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	FD	4	C032C21201	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	FD	4	C032C21201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.64 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	FD	4	C032C21201	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	FD	4	C032C21201	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	FD	4	C032C21201	EPA 8270-M	U	PYRENE	1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/25/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	ACENAPHTHENE	3.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/25/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	ACENAPHTHYLENE	3.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/25/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	ANTHRACENE	3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/25/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/25/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/25/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/25/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	22 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/25/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	CHRYSENE	5.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/25/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/25/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	FLUORANTHENE	3.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/25/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	FLUORENE	4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/25/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/25/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	NAPHTHALENE	2.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/25/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	PHENANTHRENE	3.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/25/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	PYRENE	3.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/25/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	2-METHYLNAPHTHALENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	ACENAPHTHENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	ACENAPHTHYLENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	ANTHRACENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	BENZ(A)ANTHRACENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	BENZO(A)PYRENE	5.1 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	18 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	CHRYSENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.9 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	FLUORANTHENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	FLUORENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	NAPHTHALENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	PHENANTHRENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0	C032C20801	EPA 8270-M	U	PYRENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0.5	C032C20901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-43	SB	REG	0.5	C032C20901	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0.5	C032C20901	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0.5	C032C20901	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0.5	C032C20901	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.95 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0.5	C032C20901	EPA 8270-M	U	BENZO(A)PYRENE	1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0.5	C032C20901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.94 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0.5	C032C20901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0.5	C032C20901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0.5	C032C20901	EPA 8270-M	U	CHRYSENE	1.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0.5	C032C20901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.27 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0.5	C032C20901	EPA 8270-M	U	FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0.5	C032C20901	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0.5	C032C20901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0.5	C032C20901	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0.5	C032C20901	EPA 8270-M	U	PHENANTHRENE	1.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	0.5	C032C20901	EPA 8270-M	U	PYRENE	2.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	2	C032C21001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	2	C032C21001	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	2	C032C21001	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	2	C032C21001	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	2	C032C21001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	2	C032C21001	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	2	C032C21001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	2	C032C21001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	2	C032C21001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	2	C032C21001	EPA 8270-M	U	CHRYSENE	0.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	2	C032C21001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.54 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-43	SB	REG	2	C032C21001	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	2	C032C21001	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	2	C032C21001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.64 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	2	C032C21001	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	2	C032C21001	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	2	C032C21001	EPA 8270-M	U	PYRENE	0.52 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	4	C032C21101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	4	C032C21101	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	4	C032C21101	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	4	C032C21101	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	4	C032C21101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	4	C032C21101	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	4	C032C21101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	4	C032C21101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	4	C032C21101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	4	C032C21101	EPA 8270-M	U	CHRYSENE	0.46 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	4	C032C21101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	4	C032C21101	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	4	C032C21101	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	4	C032C21101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	4	C032C21101	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	4	C032C21101	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-43	SB	REG	4	C032C21101	EPA 8270-M	U	PYRENE	0.47 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/19/2002
32FED-1A-44	SB	REG	0	C032C21301	EPA 8270-M	U	2-METHYLNAPHTHALENE	100 UG/KG	JB	U	000 REG	5/15/2002	5/16/2002	5/20/2002
32FED-1A-44	SB	REG	0	C032C21301	EPA 8270-M	U	ACENAPHTHENE	100 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/20/2002
32FED-1A-44	SB	REG	0	C032C21301	EPA 8270-M	U	ACENAPHTHYLENE	100 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/20/2002
32FED-1A-44	SB	REG	0	C032C21301	EPA 8270-M	U	ANTHRACENE	100 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/20/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-44	SB	REG	0	C032C21301	EPA 8270-M	U	BENZ(A)ANTHRACENE	100 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/20/2002
32FED-1A-44	SB	REG	0	C032C21301	EPA 8270-M	U	BENZO(A)PYRENE	100 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/20/2002
32FED-1A-44	SB	REG	0	C032C21301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	100 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/20/2002
32FED-1A-44	SB	REG	0	C032C21301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	110 UG/KG			000 REG	5/15/2002	5/16/2002	5/20/2002
32FED-1A-44	SB	REG	0	C032C21301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	100 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/20/2002
32FED-1A-44	SB	REG	0	C032C21301	EPA 8270-M	U	CHRYSENE	47 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/20/2002
32FED-1A-44	SB	REG	0	C032C21301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	100 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/20/2002
32FED-1A-44	SB	REG	0	C032C21301	EPA 8270-M	U	FLUORANTHENE	100 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/20/2002
32FED-1A-44	SB	REG	0	C032C21301	EPA 8270-M	U	FLUORENE	100 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/20/2002
32FED-1A-44	SB	REG	0	C032C21301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	100 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/20/2002
32FED-1A-44	SB	REG	0	C032C21301	EPA 8270-M	U	NAPHTHALENE	12 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/20/2002
32FED-1A-44	SB	REG	0	C032C21301	EPA 8270-M	U	PHENANTHRENE	8.9 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/20/2002
32FED-1A-44	SB	REG	0	C032C21301	EPA 8270-M	U	PYRENE	100 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/20/2002
32FED-1A-44	SB	REG	0.5	C032C21401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	JB	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	0.5	C032C21401	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	0.5	C032C21401	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	0.5	C032C21401	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	0.5	C032C21401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	0.5	C032C21401	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	0.5	C032C21401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	0.5	C032C21401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	0.5	C032C21401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	0.5	C032C21401	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	0.5	C032C21401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	0.5	C032C21401	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	0.5	C032C21401	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	0.5	C032C21401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-44	SB	REG	0.5	C032C21401	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	0.5	C032C21401	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	0.5	C032C21401	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	2	C032C21501	EPA 8270-M	U	2-METHYLNAPHTHALENE	28 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	2	C032C21501	EPA 8270-M	U	ACENAPHTHENE	28 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	2	C032C21501	EPA 8270-M	U	ACENAPHTHYLENE	28 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	2	C032C21501	EPA 8270-M	U	ANTHRACENE	28 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	2	C032C21501	EPA 8270-M	U	BENZ(A)ANTHRACENE	28 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	2	C032C21501	EPA 8270-M	U	BENZO(A)PYRENE	28 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	2	C032C21501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	28 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	2	C032C21501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	28 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	2	C032C21501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	28 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	2	C032C21501	EPA 8270-M	U	CHRYSENE	4.3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	2	C032C21501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	28 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	2	C032C21501	EPA 8270-M	U	FLUORANTHENE	28 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	2	C032C21501	EPA 8270-M	U	FLUORENE	28 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	2	C032C21501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	28 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	2	C032C21501	EPA 8270-M	U	NAPHTHALENE	28 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	2	C032C21501	EPA 8270-M	U	PHENANTHRENE	28 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	2	C032C21501	EPA 8270-M	U	PYRENE	28 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	4	C032C21601	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	4	C032C21601	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	4	C032C21601	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	4	C032C21601	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	4	C032C21601	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	4	C032C21601	EPA 8270-M	U	BENZO(A)PYRENE	0.73 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	4	C032C21601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.73 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-44	SB	REG	4	C032C21601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	4	C032C21601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.66 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	4	C032C21601	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	4	C032C21601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	4	C032C21601	EPA 8270-M	U	FLUORANTHENE	0.4 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	4	C032C21601	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	4	C032C21601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	4	C032C21601	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	4	C032C21601	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-44	SB	REG	4	C032C21601	EPA 8270-M	U	PYRENE	0.62 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/18/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	2-METHYLNAPHTHALENE	51 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	ACENAPHTHENE	51 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	ACENAPHTHYLENE	51 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	ANTHRACENE	51 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	BENZ(A)ANTHRACENE	4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	BENZO(A)PYRENE	51 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	51 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	63 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	51 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	CHRYSENE	14 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	FLUORANTHENE	51 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	FLUORENE	51 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	51 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	NAPHTHALENE	51 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	PHENANTHRENE	3.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	PYRENE	51 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	2-METHYLNAPHTHALENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	ACENAPHTHENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	ACENAPHTHYLENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	ANTHRACENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	BENZ(A)ANTHRACENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	BENZO(A)PYRENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	59 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	CHRYSENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	FLUORANTHENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	FLUORENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	NAPHTHALENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	PHENANTHRENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0	C032C21701	EPA 8270-M	U	PYRENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	2-METHYLNAPHTHALENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	ACENAPHTHENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	ACENAPHTHYLENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	ANTHRACENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	BENZ(A)ANTHRACENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	BENZO(A)PYRENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	18 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	CHRYSENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	FLUORANTHENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	FLUORENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	NAPHTHALENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	PHENANTHRENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	PYRENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	2-METHYLNAPHTHALENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	ACENAPHTHENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	ACENAPHTHYLENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	ANTHRACENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	BENZ(A)ANTHRACENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	BENZO(A)PYRENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	CHRYSENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	FLUORANTHENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	FLUORENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	NAPHTHALENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	PHENANTHRENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	0.5	C032C21801	EPA 8270-M	U	PYRENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	2-METHYLNAPHTHALENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	ACENAPHTHENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	ACENAPHTHYLENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	ANTHRACENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	BENZ(A)ANTHRACENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	BENZO(A)PYRENE	6.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	20 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	CHRYSENE	6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	FLUORANTHENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	FLUORENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	NAPHTHALENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	PHENANTHRENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	PYRENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/21/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	2-METHYLNAPHTHALENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	ACENAPHTHENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	ACENAPHTHYLENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	ANTHRACENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	BENZ(A)ANTHRACENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	BENZO(A)PYRENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	CHRYSENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	FLUORANTHENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	FLUORENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	NAPHTHALENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	PHENANTHRENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	2	C032C21901	EPA 8270-M	U	PYRENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-45	SB	REG	4	C032C22001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-45	SB	REG	4	C032C22001	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-45	SB	REG	4	C032C22001	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-45	SB	REG	4	C032C22001	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-45	SB	REG	4	C032C22001	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-45	SB	REG	4	C032C22001	EPA 8270-M	U	BENZO(A)PYRENE	0.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-45	SB	REG	4	C032C22001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-45	SB	REG	4	C032C22001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.79 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-45	SB	REG	4	C032C22001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-45	SB	REG	4	C032C22001	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-45	SB	REG	4	C032C22001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.35 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-45	SB	REG	4	C032C22001	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-45	SB	REG	4	C032C22001	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-45	SB	REG	4	C032C22001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.76 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-45	SB	REG	4	C032C22001	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-45	SB	REG	4	C032C22001	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-45	SB	REG	4	C032C22001	EPA 8270-M	U	PYRENE	0.43 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-46	SB	FD	0.5	C032C22301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	FD	0.5	C032C22301	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	FD	0.5	C032C22301	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	FD	0.5	C032C22301	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	FD	0.5	C032C22301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	JB	UJ	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	FD	0.5	C032C22301	EPA 8270-M	U	BENZO(A)PYRENE	3.4 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/25/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-46	SB	FD	0.5	C032C22301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	FD	0.5	C032C22301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	21 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	FD	0.5	C032C22301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	FD	0.5	C032C22301	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	FD	0.5	C032C22301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.3 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	FD	0.5	C032C22301	EPA 8270-M	U	FLUORANTHENE	3.4 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	FD	0.5	C032C22301	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	FD	0.5	C032C22301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	15 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	FD	0.5	C032C22301	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	FD	0.5	C032C22301	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	JB	UJ	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	FD	0.5	C032C22301	EPA 8270-M	U	PYRENE	4.6 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0	C032C22101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0	C032C22101	EPA 8270-M	U	ACENAPHTHENE	2.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0	C032C22101	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0	C032C22101	EPA 8270-M	U	ANTHRACENE	4.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0	C032C22101	EPA 8270-M	U	BENZ(A)ANTHRACENE	49 UG/KG	B	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0	C032C22101	EPA 8270-M	U	BENZO(A)PYRENE	99 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0	C032C22101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	80 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0	C032C22101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	200 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0	C032C22101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	75 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0	C032C22101	EPA 8270-M	U	CHRYSENE	59 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0	C032C22101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	82 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0	C032C22101	EPA 8270-M	U	FLUORANTHENE	73 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0	C032C22101	EPA 8270-M	U	FLUORENE	1.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0	C032C22101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	230 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0	C032C22101	EPA 8270-M	U	NAPHTHALENE	2.3 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0	C032C22101	EPA 8270-M	U	PHENANTHRENE	22 UG/KG	B	J	000 REG	5/22/2002	5/23/2002	5/25/2002

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-46	SB	REG	0	C032C22101	EPA 8270-M	U	PYRENE	68 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0.5	C032C22201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0.5	C032C22201	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0.5	C032C22201	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0.5	C032C22201	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0.5	C032C22201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	JB	UJ	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0.5	C032C22201	EPA 8270-M	U	BENZO(A)PYRENE	3.9 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0.5	C032C22201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0.5	C032C22201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	37 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0.5	C032C22201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0.5	C032C22201	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0.5	C032C22201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	10 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0.5	C032C22201	EPA 8270-M	U	FLUORANTHENE	4.3 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0.5	C032C22201	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0.5	C032C22201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	29 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0.5	C032C22201	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0.5	C032C22201	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	JB	UJ	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	0.5	C032C22201	EPA 8270-M	U	PYRENE	5.5 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	2	C032C22401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	2	C032C22401	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	2	C032C22401	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	2	C032C22401	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	2	C032C22401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	JB	UJ	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	2	C032C22401	EPA 8270-M	U	BENZO(A)PYRENE	3.2 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	2	C032C22401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	2	C032C22401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	14 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	2	C032C22401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-46	SB	REG	2	C032C22401	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	2	C032C22401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	2	C032C22401	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	2	C032C22401	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	2	C032C22401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.7 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	2	C032C22401	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	2	C032C22401	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	JB	UJ	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	2	C032C22401	EPA 8270-M	U	PYRENE	3.5 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	4	C032C22501	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	4	C032C22501	EPA 8270-M	U	ACENAPHTHENE	6.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	4	C032C22501	EPA 8270-M	U	ACENAPHTHYLENE	6.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	4	C032C22501	EPA 8270-M	U	ANTHRACENE	1.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	4	C032C22501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	4	C032C22501	EPA 8270-M	U	BENZO(A)PYRENE	12 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	4	C032C22501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.9 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	4	C032C22501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	17 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	4	C032C22501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.9 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	4	C032C22501	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	4	C032C22501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	4	C032C22501	EPA 8270-M	U	FLUORANTHENE	11 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	4	C032C22501	EPA 8270-M	U	FLUORENE	6.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	4	C032C22501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	13 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	4	C032C22501	EPA 8270-M	U	NAPHTHALENE	6.4 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	4	C032C22501	EPA 8270-M	U	PHENANTHRENE	4.1 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-46	SB	REG	4	C032C22501	EPA 8270-M	U	PYRENE	18 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-47	SB	REG	0	C032C22601	EPA 8270-M	U	2-METHYLNAPHTHALENE	16 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0	C032C22601	EPA 8270-M	U	ACENAPHTHENE	84 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-47	SB	REG	0	C032C22601	EPA 8270-M	U	ACENAPHTHYLENE	54 UG/KG	U	UJ	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0	C032C22601	EPA 8270-M	U	ANTHRACENE	130 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0	C032C22601	EPA 8270-M	U	BENZ(A)ANTHRACENE	1300 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0	C032C22601	EPA 8270-M	U	BENZO(A)PYRENE	1800 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0	C032C22601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2100 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0	C032C22601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1100 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0	C032C22601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1100 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0	C032C22601	EPA 8270-M	U	CHRYSENE	1700 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0	C032C22601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	380 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0	C032C22601	EPA 8270-M	U	FLUORANTHENE	1800 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0	C032C22601	EPA 8270-M	U	FLUORENE	49 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0	C032C22601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	920 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0	C032C22601	EPA 8270-M	U	NAPHTHALENE	80 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0	C032C22601	EPA 8270-M	U	PHENANTHRENE	640 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0	C032C22601	EPA 8270-M	U	PYRENE	1900 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0.5	C032C22701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0.5	C032C22701	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0.5	C032C22701	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	UJ	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0.5	C032C22701	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0.5	C032C22701	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0.5	C032C22701	EPA 8270-M	U	BENZO(A)PYRENE	4.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0.5	C032C22701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0.5	C032C22701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0.5	C032C22701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0.5	C032C22701	EPA 8270-M	U	CHRYSENE	3.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0.5	C032C22701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0.5	C032C22701	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
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32FED-1A-47	SB	REG	0.5	C032C22701	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0.5	C032C22701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0.5	C032C22701	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0.5	C032C22701	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	0.5	C032C22701	EPA 8270-M	U	PYRENE	4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	2	C032C22801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	2	C032C22801	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	2	C032C22801	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	UJ	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	2	C032C22801	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	2	C032C22801	EPA 8270-M	U	BENZ(A)ANTHRACENE	14 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	2	C032C22801	EPA 8270-M	U	BENZO(A)PYRENE	28 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	2	C032C22801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	27 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	2	C032C22801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	24 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	2	C032C22801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	20 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	2	C032C22801	EPA 8270-M	U	CHRYSENE	21 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	2	C032C22801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.5 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	2	C032C22801	EPA 8270-M	U	FLUORANTHENE	14 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	2	C032C22801	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	2	C032C22801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	20 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	2	C032C22801	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	2	C032C22801	EPA 8270-M	U	PHENANTHRENE	3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	2	C032C22801	EPA 8270-M	U	PYRENE	16 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	4	C032C22901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	4	C032C22901	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	4	C032C22901	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	UJ	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	4	C032C22901	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	4	C032C22901	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-47	SB	REG	4	C032C22901	EPA 8270-M	U	BENZO(A)PYRENE	2.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	4	C032C22901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	4	C032C22901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	4	C032C22901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	4	C032C22901	EPA 8270-M	U	CHRYSENE	1.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	4	C032C22901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	4	C032C22901	EPA 8270-M	U	FLUORANTHENE	2.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	4	C032C22901	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	4	C032C22901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	4	C032C22901	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	4	C032C22901	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-47	SB	REG	4	C032C22901	EPA 8270-M	U	PYRENE	3.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-48	SB	FD	4	C032C23401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	FD	4	C032C23401	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	FD	4	C032C23401	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	FD	4	C032C23401	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	FD	4	C032C23401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	FD	4	C032C23401	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	FD	4	C032C23401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	FD	4	C032C23401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	FD	4	C032C23401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	FD	4	C032C23401	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	FD	4	C032C23401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	FD	4	C032C23401	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	FD	4	C032C23401	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	FD	4	C032C23401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	FD	4	C032C23401	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-48	SB	FD	4	C032C23401	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	FD	4	C032C23401	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0	C032C23001	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0	C032C23001	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0	C032C23001	EPA 8270-M	U	ACENAPHTHYLENE	3.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0	C032C23001	EPA 8270-M	U	ANTHRACENE	3.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0	C032C23001	EPA 8270-M	U	BENZ(A)ANTHRACENE	21 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0	C032C23001	EPA 8270-M	U	BENZO(A)PYRENE	37 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0	C032C23001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	43 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0	C032C23001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	85 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0	C032C23001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	25 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0	C032C23001	EPA 8270-M	U	CHRYSENE	98 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0	C032C23001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	26 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0	C032C23001	EPA 8270-M	U	FLUORANTHENE	8.4 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0	C032C23001	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0	C032C23001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	30 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0	C032C23001	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0	C032C23001	EPA 8270-M	U	PHENANTHRENE	7.2 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0	C032C23001	EPA 8270-M	U	PYRENE	16 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0.5	C032C23101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0.5	C032C23101	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0.5	C032C23101	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0.5	C032C23101	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0.5	C032C23101	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0.5	C032C23101	EPA 8270-M	U	BENZO(A)PYRENE	1.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0.5	C032C23101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0.5	C032C23101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-48	SB	REG	0.5	C032C23101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0.5	C032C23101	EPA 8270-M	U	CHRYSENE	1.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0.5	C032C23101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0.5	C032C23101	EPA 8270-M	U	FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0.5	C032C23101	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0.5	C032C23101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0.5	C032C23101	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0.5	C032C23101	EPA 8270-M	U	PHENANTHRENE	0.52 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	0.5	C032C23101	EPA 8270-M	U	PYRENE	1.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	2	C032C23201	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	2	C032C23201	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	2	C032C23201	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	2	C032C23201	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	2	C032C23201	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	2	C032C23201	EPA 8270-M	U	BENZO(A)PYRENE	1.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	2	C032C23201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	2	C032C23201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	2	C032C23201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	2	C032C23201	EPA 8270-M	U	CHRYSENE	5.8 UG/KG		J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	2	C032C23201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	2	C032C23201	EPA 8270-M	U	FLUORANTHENE	0.59 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	2	C032C23201	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	2	C032C23201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	2	C032C23201	EPA 8270-M	U	NAPHTHALENE	1.6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	2	C032C23201	EPA 8270-M	U	PHENANTHRENE	2.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	2	C032C23201	EPA 8270-M	U	PYRENE	1.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	4	C032C23301	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-48	SB	REG	4	C032C23301	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	4	C032C23301	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	4	C032C23301	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	4	C032C23301	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	4	C032C23301	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	4	C032C23301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	4	C032C23301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	4	C032C23301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	4	C032C23301	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	4	C032C23301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	4	C032C23301	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	4	C032C23301	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	4	C032C23301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	4	C032C23301	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	4	C032C23301	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-48	SB	REG	4	C032C23301	EPA 8270-M	U	PYRENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	5/27/2002
32FED-1A-49	SB	REG	0	C032C01401	EPA 8270-M	U	2-METHYLNAPHTHALENE	250 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-49	SB	REG	0	C032C01401	EPA 8270-M	U	ACENAPHTHENE	7.4 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-49	SB	REG	0	C032C01401	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-49	SB	REG	0	C032C01401	EPA 8270-M	U	ANTHRACENE	9.7 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-49	SB	REG	0	C032C01401	EPA 8270-M	U	BENZ(A)ANTHRACENE	37 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-49	SB	REG	0	C032C01401	EPA 8270-M	U	BENZO(A)PYRENE	41 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-49	SB	REG	0	C032C01401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	76 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-49	SB	REG	0	C032C01401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	51 UG/KG		J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-49	SB	REG	0	C032C01401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-49	SB	REG	0	C032C01401	EPA 8270-M	U	CHRYSENE	180 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-49	SB	REG	0	C032C01401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	31 UG/KG		J	000 REG	4/27/2002	4/30/2002	5/1/2002

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-49	SB	REG	0	C032C01401	EPA 8270-M	U	FLUORANTHENE	47 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-49	SB	REG	0	C032C01401	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-49	SB	REG	0	C032C01401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	9.1 UG/KG		J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-49	SB	REG	0	C032C01401	EPA 8270-M	U	NAPHTHALENE	17 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-49	SB	REG	0	C032C01401	EPA 8270-M	U	PHENANTHRENE	560 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-49	SB	REG	0	C032C01401	EPA 8270-M	U	PYRENE	94 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-49	SB	REG	0.5	C032C01501	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.1 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	0.5	C032C01501	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	0.5	C032C01501	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	0.5	C032C01501	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	0.5	C032C01501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	0.5	C032C01501	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	0.5	C032C01501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	0.5	C032C01501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	13 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	0.5	C032C01501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	0.5	C032C01501	EPA 8270-M	U	CHRYSENE	4.4 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	0.5	C032C01501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.8 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	0.5	C032C01501	EPA 8270-M	U	FLUORANTHENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	0.5	C032C01501	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	0.5	C032C01501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.8 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	0.5	C032C01501	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	0.5	C032C01501	EPA 8270-M	U	PHENANTHRENE	7.9 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	0.5	C032C01501	EPA 8270-M	U	PYRENE	2.1 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	2	C032C01601	EPA 8270-M	U	2-METHYLNAPHTHALENE	140 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	2	C032C01601	EPA 8270-M	U	ACENAPHTHENE	4.7 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	2	C032C01601	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	2	C032C01601	EPA 8270-M	U	ANTHRACENE	2.7 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-49	SB	REG	2	C032C01601	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	2	C032C01601	EPA 8270-M	U	BENZO(A)PYRENE	9 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	2	C032C01601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	18 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	2	C032C01601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	22 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	2	C032C01601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.2 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	2	C032C01601	EPA 8270-M	U	CHRYSENE	59 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	2	C032C01601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9.5 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	2	C032C01601	EPA 8270-M	U	FLUORANTHENE	14 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	2	C032C01601	EPA 8270-M	U	FLUORENE	3.8 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	2	C032C01601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.3 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	2	C032C01601	EPA 8270-M	U	NAPHTHALENE	11 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	2	C032C01601	EPA 8270-M	U	PHENANTHRENE	170 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	2	C032C01601	EPA 8270-M	U	PYRENE	25 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-49	SB	REG	4	C032C01701	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-49	SB	REG	4	C032C01701	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-49	SB	REG	4	C032C01701	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-49	SB	REG	4	C032C01701	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-49	SB	REG	4	C032C01701	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-49	SB	REG	4	C032C01701	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-49	SB	REG	4	C032C01701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-49	SB	REG	4	C032C01701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-49	SB	REG	4	C032C01701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-49	SB	REG	4	C032C01701	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-49	SB	REG	4	C032C01701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-49	SB	REG	4	C032C01701	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-49	SB	REG	4	C032C01701	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-49	SB	REG	4	C032C01701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-49	SB	REG	4	C032C01701	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-49	SB	REG	4	C032C01701	EPA 8270-M	U	PHENANTHRENE	4.4 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-49	SB	REG	4	C032C01701	EPA 8270-M	U	PYRENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-5	SB	FD	4	C032C05801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	FD	4	C032C05801	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	FD	4	C032C05801	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	FD	4	C032C05801	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	FD	4	C032C05801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	FD	4	C032C05801	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	FD	4	C032C05801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	FD	4	C032C05801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	FD	4	C032C05801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	FD	4	C032C05801	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	FD	4	C032C05801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	FD	4	C032C05801	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	FD	4	C032C05801	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	FD	4	C032C05801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	FD	4	C032C05801	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	FD	4	C032C05801	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	FD	4	C032C05801	EPA 8270-M	U	PYRENE	2.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0	C032C05401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0	C032C05401	EPA 8270-M	U	ACENAPHTHENE	7 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0	C032C05401	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0	C032C05401	EPA 8270-M	U	ANTHRACENE	14 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0	C032C05401	EPA 8270-M	U	BENZ(A)ANTHRACENE	230 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0	C032C05401	EPA 8270-M	U	BENZO(A)PYRENE	370 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0	C032C05401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	450 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-5	SB	REG	0	C032C05401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	230 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0	C032C05401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	250 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0	C032C05401	EPA 8270-M	U	CHRYSENE	310 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0	C032C05401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	65 UG/KG		J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0	C032C05401	EPA 8270-M	U	FLUORANTHENE	280 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0	C032C05401	EPA 8270-M	U	FLUORENE	2.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0	C032C05401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	260 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0	C032C05401	EPA 8270-M	U	NAPHTHALENE	4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0	C032C05401	EPA 8270-M	U	PHENANTHRENE	65 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0	C032C05401	EPA 8270-M	U	PYRENE	350 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0.5	C032C05501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0.5	C032C05501	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0.5	C032C05501	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0.5	C032C05501	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0.5	C032C05501	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.6 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0.5	C032C05501	EPA 8270-M	U	BENZO(A)PYRENE	3.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0.5	C032C05501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0.5	C032C05501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	16 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0.5	C032C05501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0.5	C032C05501	EPA 8270-M	U	CHRYSENE	2.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0.5	C032C05501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0.5	C032C05501	EPA 8270-M	U	FLUORANTHENE	1.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0.5	C032C05501	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0.5	C032C05501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.7 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0.5	C032C05501	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0.5	C032C05501	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	0.5	C032C05501	EPA 8270-M	U	PYRENE	2.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-5	SB	REG	2	C032C05601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	2	C032C05601	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	2	C032C05601	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	2	C032C05601	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	2	C032C05601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	2	C032C05601	EPA 8270-M	U	BENZO(A)PYRENE	9.1 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	2	C032C05601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	11 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	2	C032C05601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	16 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	2	C032C05601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7.1 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	2	C032C05601	EPA 8270-M	U	CHRYSENE	7.9 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	2	C032C05601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	2	C032C05601	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	2	C032C05601	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	2	C032C05601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.4 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	2	C032C05601	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	2	C032C05601	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	2	C032C05601	EPA 8270-M	U	PYRENE	7.4 UG/KG			000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	4	C032C05701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	4	C032C05701	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	4	C032C05701	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	4	C032C05701	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	4	C032C05701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	4	C032C05701	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	4	C032C05701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	4	C032C05701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	4	C032C05701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	4	C032C05701	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-5	SB	REG	4	C032C05701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	4	C032C05701	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	4	C032C05701	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	4	C032C05701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	J	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	4	C032C05701	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	4	C032C05701	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-5	SB	REG	4	C032C05701	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/21/2002	5/22/2002	5/23/2002
32FED-1A-50	SB	REG	0	C032C01801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0	C032C01801	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0	C032C01801	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0	C032C01801	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0	C032C01801	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.7 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0	C032C01801	EPA 8270-M	U	BENZO(A)PYRENE	8.4 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0	C032C01801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	18 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0	C032C01801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	11 UG/KG		J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0	C032C01801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0	C032C01801	EPA 8270-M	U	CHRYSENE	30 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0	C032C01801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.5 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0	C032C01801	EPA 8270-M	U	FLUORANTHENE	6.4 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0	C032C01801	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0	C032C01801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0	C032C01801	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0	C032C01801	EPA 8270-M	U	PHENANTHRENE	3.3 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0	C032C01801	EPA 8270-M	U	PYRENE	16 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0.5	C032C01901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0.5	C032C01901	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0.5	C032C01901	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-50	SB	REG	0.5	C032C01901	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0.5	C032C01901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0.5	C032C01901	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0.5	C032C01901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0.5	C032C01901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.9 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0.5	C032C01901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0.5	C032C01901	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0.5	C032C01901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	UJ	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0.5	C032C01901	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0.5	C032C01901	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0.5	C032C01901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.7 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0.5	C032C01901	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0.5	C032C01901	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	0.5	C032C01901	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	2	C032C02001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	2	C032C02001	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	2	C032C02001	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	2	C032C02001	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	2	C032C02001	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	2	C032C02001	EPA 8270-M	U	BENZO(A)PYRENE	4.4 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	2	C032C02001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.3 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	2	C032C02001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8 UG/KG		J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	2	C032C02001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	2	C032C02001	EPA 8270-M	U	CHRYSENE	18 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	2	C032C02001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	2	C032C02001	EPA 8270-M	U	FLUORANTHENE	2 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	2	C032C02001	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-50	SB	REG	2	C032C02001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	2	C032C02001	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	2	C032C02001	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	2	C032C02001	EPA 8270-M	U	PYRENE	8.3 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	4	C032C02101	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	4	C032C02101	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	4	C032C02101	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	4	C032C02101	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	4	C032C02101	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	4	C032C02101	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	4	C032C02101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	4	C032C02101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.2 UG/KG	U	UJ	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	4	C032C02101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	4	C032C02101	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	4	C032C02101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	UJ	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	4	C032C02101	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	4	C032C02101	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	4	C032C02101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	4	C032C02101	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	4	C032C02101	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-50	SB	REG	4	C032C02101	EPA 8270-M	U	PYRENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-51	SB	REG	0	C032C02301	EPA 8270-M	U	2-METHYLNAPHTHALENE	3.1 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-51	SB	REG	0	C032C02301	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-51	SB	REG	0	C032C02301	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-51	SB	REG	0	C032C02301	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-51	SB	REG	0	C032C02301	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.5 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-51	SB	REG	0	C032C02301	EPA 8270-M	U	BENZO(A)PYRENE	6.8 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-51	SB	REG	0	C032C02301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	13 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-51	SB	REG	0	C032C02301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	42 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-51	SB	REG	0	C032C02301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-51	SB	REG	0	C032C02301	EPA 8270-M	U	CHRYSENE	18 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-51	SB	REG	0	C032C02301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	13 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-51	SB	REG	0	C032C02301	EPA 8270-M	U	FLUORANTHENE	3.6 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-51	SB	REG	0	C032C02301	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-51	SB	REG	0	C032C02301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-51	SB	REG	0	C032C02301	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-51	SB	REG	0	C032C02301	EPA 8270-M	U	PHENANTHRENE	15 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-51	SB	REG	0	C032C02301	EPA 8270-M	U	PYRENE	5.9 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-51	SB	REG	0.5	C032C02401	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	0.5	C032C02401	EPA 8270-M	U	ACENAPHTHENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	0.5	C032C02401	EPA 8270-M	U	ACENAPHTHYLENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	0.5	C032C02401	EPA 8270-M	U	ANTHRACENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	0.5	C032C02401	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	0.5	C032C02401	EPA 8270-M	U	BENZO(A)PYRENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	0.5	C032C02401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	0.5	C032C02401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	12 UG/KG			000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	0.5	C032C02401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	0.5	C032C02401	EPA 8270-M	U	CHRYSENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	0.5	C032C02401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	0.5	C032C02401	EPA 8270-M	U	FLUORANTHENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	0.5	C032C02401	EPA 8270-M	U	FLUORENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	0.5	C032C02401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.7 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	0.5	C032C02401	EPA 8270-M	U	NAPHTHALENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	0.5	C032C02401	EPA 8270-M	U	PHENANTHRENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-51	SB	REG	0.5	C032C02401	EPA 8270-M	U	PYRENE	2 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	2	C032C02501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	2	C032C02501	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	2	C032C02501	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	2	C032C02501	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	2	C032C02501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	2	C032C02501	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	2	C032C02501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.5 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	2	C032C02501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	13 UG/KG			000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	2	C032C02501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	2	C032C02501	EPA 8270-M	U	CHRYSENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	2	C032C02501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.8 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	2	C032C02501	EPA 8270-M	U	FLUORANTHENE	1.6 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	2	C032C02501	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	2	C032C02501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.3 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	2	C032C02501	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	2	C032C02501	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	2	C032C02501	EPA 8270-M	U	PYRENE	5.5 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	4	C032C02601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	4	C032C02601	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	4	C032C02601	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	4	C032C02601	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	4	C032C02601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	4	C032C02601	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	4	C032C02601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	4	C032C02601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	4	C032C02601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-51	SB	REG	4	C032C02601	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	4	C032C02601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	4	C032C02601	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	4	C032C02601	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	4	C032C02601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	4	C032C02601	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	4	C032C02601	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-51	SB	REG	4	C032C02601	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-52	SB	REG	0	C032C23501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0	C032C23501	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0	C032C23501	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0	C032C23501	EPA 8270-M	U	ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0	C032C23501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0	C032C23501	EPA 8270-M	U	BENZO(A)PYRENE	3.4 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0	C032C23501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0	C032C23501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.2 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0	C032C23501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0	C032C23501	EPA 8270-M	U	CHRYSENE	12 UG/KG			000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0	C032C23501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0	C032C23501	EPA 8270-M	U	FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0	C032C23501	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0	C032C23501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.72 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0	C032C23501	EPA 8270-M	U	NAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0	C032C23501	EPA 8270-M	U	PHENANTHRENE	1.8 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0	C032C23501	EPA 8270-M	U	PYRENE	3.2 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0.5	C032C23601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0.5	C032C23601	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-52	SB	REG	0.5	C032C23601	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0.5	C032C23601	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0.5	C032C23601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0.5	C032C23601	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0.5	C032C23601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0.5	C032C23601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0.5	C032C23601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0.5	C032C23601	EPA 8270-M	U	CHRYSENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0.5	C032C23601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0.5	C032C23601	EPA 8270-M	U	FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0.5	C032C23601	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0.5	C032C23601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.3 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0.5	C032C23601	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0.5	C032C23601	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	0.5	C032C23601	EPA 8270-M	U	PYRENE	2.6 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	2	C032C23701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	2	C032C23701	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	2	C032C23701	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	2	C032C23701	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	2	C032C23701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	2	C032C23701	EPA 8270-M	U	BENZO(A)PYRENE	2.4 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	2	C032C23701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.1 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	2	C032C23701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.6 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	2	C032C23701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	2	C032C23701	EPA 8270-M	U	CHRYSENE	7.4 UG/KG			000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	2	C032C23701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	2	C032C23701	EPA 8270-M	U	FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-52	SB	REG	2	C032C23701	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	2	C032C23701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.78 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	2	C032C23701	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	2	C032C23701	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	2	C032C23701	EPA 8270-M	U	PYRENE	2.8 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	4	C032C23801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	4	C032C23801	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	4	C032C23801	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	4	C032C23801	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	4	C032C23801	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	4	C032C23801	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	4	C032C23801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	4	C032C23801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	4	C032C23801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	4	C032C23801	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	4	C032C23801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	4	C032C23801	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	4	C032C23801	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	4	C032C23801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	4	C032C23801	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	4	C032C23801	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-52	SB	REG	4	C032C23801	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	2-METHYLNAPHTHALENE	27 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/29/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	ACENAPHTHENE	27 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/29/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	ACENAPHTHYLENE	27 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/29/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	ANTHRACENE	27 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/29/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	BENZ(A)ANTHRACENE	27 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/29/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	BENZO(A)PYRENE	27 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/29/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	27 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/29/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	35 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/29/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	27 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/29/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	CHRYSENE	27 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/29/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	27 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/29/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	FLUORANTHENE	27 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/29/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	FLUORENE	27 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/29/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	27 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/29/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	NAPHTHALENE	27 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/29/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	PHENANTHRENE	27 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/29/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	PYRENE	27 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/29/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	2-METHYLNAPHTHALENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	ACENAPHTHENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	ACENAPHTHYLENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	ANTHRACENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	BENZ(A)ANTHRACENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	BENZO(A)PYRENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	40 UG/KG	J	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	CHRYSENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	FLUORANTHENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	FLUORENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	NAPHTHALENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	PHENANTHRENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	PYRENE	55 UG/KG	U	R	DL1 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	2-METHYLNAPHTHALENE	55 UG/KG	U	R	RA1 REG	5/16/2002	5/20/2002	5/23/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	ACENAPHTHENE	55 UG/KG	U	R	RA1 REG	5/16/2002	5/20/2002	5/23/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	ACENAPHTHYLENE	55 UG/KG	U	R	RA1 REG	5/16/2002	5/20/2002	5/23/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	ANTHRACENE	55 UG/KG	U	R	RA1 REG	5/16/2002	5/20/2002	5/23/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	BENZ(A)ANTHRACENE	55 UG/KG	U	R	RA1 REG	5/16/2002	5/20/2002	5/23/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	BENZO(A)PYRENE	55 UG/KG	U	R	RA1 REG	5/16/2002	5/20/2002	5/23/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	55 UG/KG	U	R	RA1 REG	5/16/2002	5/20/2002	5/23/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	55 UG/KG	U	R	RA1 REG	5/16/2002	5/20/2002	5/23/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	55 UG/KG	U	R	RA1 REG	5/16/2002	5/20/2002	5/23/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	CHRYSENE	55 UG/KG	U	R	RA1 REG	5/16/2002	5/20/2002	5/23/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	55 UG/KG	U	R	RA1 REG	5/16/2002	5/20/2002	5/23/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	FLUORANTHENE	55 UG/KG	U	R	RA1 REG	5/16/2002	5/20/2002	5/23/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	FLUORENE	55 UG/KG	U	R	RA1 REG	5/16/2002	5/20/2002	5/23/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	55 UG/KG	U	R	RA1 REG	5/16/2002	5/20/2002	5/23/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	NAPHTHALENE	55 UG/KG	U	R	RA1 REG	5/16/2002	5/20/2002	5/23/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	PHENANTHRENE	55 UG/KG	U	R	RA1 REG	5/16/2002	5/20/2002	5/23/2002
32FED-1A-53	SB	REG	0	C032C23901	EPA 8270-M	U	PYRENE	55 UG/KG	U	R	RA1 REG	5/16/2002	5/20/2002	5/23/2002
32FED-1A-53	SB	REG	0.5	C032C24001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	0.5	C032C24001	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	0.5	C032C24001	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	0.5	C032C24001	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	0.5	C032C24001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	0.5	C032C24001	EPA 8270-M	U	BENZO(A)PYRENE	2.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	0.5	C032C24001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	0.5	C032C24001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-53	SB	REG	0.5	C032C24001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	0.5	C032C24001	EPA 8270-M	U	CHRYSENE	1.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	0.5	C032C24001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	0.5	C032C24001	EPA 8270-M	U	FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	0.5	C032C24001	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	0.5	C032C24001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.8 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	0.5	C032C24001	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	0.5	C032C24001	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	0.5	C032C24001	EPA 8270-M	U	PYRENE	3.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	2	C032C24101	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.9 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	2	C032C24101	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	2	C032C24101	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	2	C032C24101	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	2	C032C24101	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	2	C032C24101	EPA 8270-M	U	BENZO(A)PYRENE	4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	2	C032C24101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	2	C032C24101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.6 UG/KG		J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	2	C032C24101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	2	C032C24101	EPA 8270-M	U	CHRYSENE	9.9 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	2	C032C24101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	2	C032C24101	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	2	C032C24101	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	2	C032C24101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.5 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	2	C032C24101	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	2	C032C24101	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	2	C032C24101	EPA 8270-M	U	PYRENE	6 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-53	SB	REG	4	C032C24201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-53	SB	REG	4	C032C24201	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	4	C032C24201	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	4	C032C24201	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	4	C032C24201	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	4	C032C24201	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	4	C032C24201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	4	C032C24201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	4	C032C24201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	4	C032C24201	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	4	C032C24201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	4	C032C24201	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	4	C032C24201	EPA 8270-M	U	FLUORENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	4	C032C24201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	4	C032C24201	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	4	C032C24201	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-53	SB	REG	4	C032C24201	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/17/2002
32FED-1A-54	SB	FD	0.5	C032C24501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	FD	0.5	C032C24501	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	FD	0.5	C032C24501	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	FD	0.5	C032C24501	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	FD	0.5	C032C24501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	FD	0.5	C032C24501	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	FD	0.5	C032C24501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	FD	0.5	C032C24501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.8 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	FD	0.5	C032C24501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	FD	0.5	C032C24501	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	FD	0.5	C032C24501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-54	SB	FD	0.5	C032C24501	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	FD	0.5	C032C24501	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	FD	0.5	C032C24501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	FD	0.5	C032C24501	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	FD	0.5	C032C24501	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	FD	0.5	C032C24501	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0	C032C24301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0	C032C24301	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0	C032C24301	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0	C032C24301	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0	C032C24301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0	C032C24301	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0	C032C24301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0	C032C24301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	60 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0	C032C24301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0	C032C24301	EPA 8270-M	U	CHRYSENE	6.3 UG/KG		J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0	C032C24301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.1 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0	C032C24301	EPA 8270-M	U	FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0	C032C24301	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0	C032C24301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG			000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0	C032C24301	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0	C032C24301	EPA 8270-M	U	PHENANTHRENE	2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0	C032C24301	EPA 8270-M	U	PYRENE	3.6 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0.5	C032C24401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0.5	C032C24401	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0.5	C032C24401	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0.5	C032C24401	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-54	SB	REG	0.5	C032C24401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0.5	C032C24401	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0.5	C032C24401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0.5	C032C24401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0.5	C032C24401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0.5	C032C24401	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0.5	C032C24401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0.5	C032C24401	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0.5	C032C24401	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0.5	C032C24401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0.5	C032C24401	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0.5	C032C24401	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	0.5	C032C24401	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	2	C032C24601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	2	C032C24601	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	2	C032C24601	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	2	C032C24601	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	2	C032C24601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	2	C032C24601	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	2	C032C24601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	2	C032C24601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.2 UG/KG	J	J	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	2	C032C24601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	2	C032C24601	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	2	C032C24601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	2	C032C24601	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	2	C032C24601	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	2	C032C24601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-54	SB	REG	2	C032C24601	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	2	C032C24601	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	2	C032C24601	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	4	C032C24701	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	4	C032C24701	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	4	C032C24701	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	4	C032C24701	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	4	C032C24701	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	4	C032C24701	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	4	C032C24701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	4	C032C24701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	4	C032C24701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	4	C032C24701	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	4	C032C24701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	4	C032C24701	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	4	C032C24701	EPA 8270-M	U	FLUORENE	6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	4	C032C24701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	4	C032C24701	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	4	C032C24701	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-54	SB	REG	4	C032C24701	EPA 8270-M	U	PYRENE	6 UG/KG	U	UJ	000 REG	5/15/2002	5/16/2002	5/17/2002
32FED-1A-55	SB	REG	0	C032C24801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0	C032C24801	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0	C032C24801	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0	C032C24801	EPA 8270-M	U	ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0	C032C24801	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0	C032C24801	EPA 8270-M	U	BENZO(A)PYRENE	5.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0	C032C24801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-55	SB	REG	0	C032C24801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.5 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0	C032C24801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.1 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0	C032C24801	EPA 8270-M	U	CHRYSENE	6.4 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0	C032C24801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0	C032C24801	EPA 8270-M	U	FLUORANTHENE	7.7 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0	C032C24801	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0	C032C24801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0	C032C24801	EPA 8270-M	U	NAPHTHALENE	5.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0	C032C24801	EPA 8270-M	U	PHENANTHRENE	3.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0	C032C24801	EPA 8270-M	U	PYRENE	8.9 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0.5	C032C24901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0.5	C032C24901	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0.5	C032C24901	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0.5	C032C24901	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0.5	C032C24901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0.5	C032C24901	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0.5	C032C24901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0.5	C032C24901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0.5	C032C24901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0.5	C032C24901	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0.5	C032C24901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0.5	C032C24901	EPA 8270-M	U	FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0.5	C032C24901	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0.5	C032C24901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0.5	C032C24901	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0.5	C032C24901	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	0.5	C032C24901	EPA 8270-M	U	PYRENE	2.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-55	SB	REG	2	C032C25001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	2	C032C25001	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	2	C032C25001	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	2	C032C25001	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	2	C032C25001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	2	C032C25001	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	2	C032C25001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	2	C032C25001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	2	C032C25001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	2	C032C25001	EPA 8270-M	U	CHRYSENE	2.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	2	C032C25001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	2	C032C25001	EPA 8270-M	U	FLUORANTHENE	2.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	2	C032C25001	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	2	C032C25001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	2	C032C25001	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	2	C032C25001	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	2	C032C25001	EPA 8270-M	U	PYRENE	3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-55	SB	REG	4	C032C25101	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-55	SB	REG	4	C032C25101	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-55	SB	REG	4	C032C25101	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-55	SB	REG	4	C032C25101	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-55	SB	REG	4	C032C25101	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-55	SB	REG	4	C032C25101	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-55	SB	REG	4	C032C25101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-55	SB	REG	4	C032C25101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-55	SB	REG	4	C032C25101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-55	SB	REG	4	C032C25101	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-55	SB	REG	4	C032C25101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-55	SB	REG	4	C032C25101	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-55	SB	REG	4	C032C25101	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-55	SB	REG	4	C032C25101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-55	SB	REG	4	C032C25101	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-55	SB	REG	4	C032C25101	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-55	SB	REG	4	C032C25101	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-56	SB	FD	4	C032C25601	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.46 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	FD	4	C032C25601	EPA 8270-M	U	ACENAPHTHENE	2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	FD	4	C032C25601	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	FD	4	C032C25601	EPA 8270-M	U	ANTHRACENE	0.47 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	FD	4	C032C25601	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	FD	4	C032C25601	EPA 8270-M	U	BENZO(A)PYRENE	4.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	FD	4	C032C25601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	FD	4	C032C25601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	JB	UJ	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	FD	4	C032C25601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	FD	4	C032C25601	EPA 8270-M	U	CHRYSENE	2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	FD	4	C032C25601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	FD	4	C032C25601	EPA 8270-M	U	FLUORANTHENE	3.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	FD	4	C032C25601	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	FD	4	C032C25601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	FD	4	C032C25601	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	FD	4	C032C25601	EPA 8270-M	U	PHENANTHRENE	1.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	FD	4	C032C25601	EPA 8270-M	U	PYRENE	7.1 UG/KG		J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0	C032C25201	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.62 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0	C032C25201	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0	C032C25201	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-56	SB	REG	0	C032C25201	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0	C032C25201	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0	C032C25201	EPA 8270-M	U	BENZO(A)PYRENE	4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0	C032C25201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0	C032C25201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.7 UG/KG	B	UJ	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0	C032C25201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0	C032C25201	EPA 8270-M	U	CHRYSENE	5.4 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0	C032C25201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0	C032C25201	EPA 8270-M	U	FLUORANTHENE	3.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0	C032C25201	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0	C032C25201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.2 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0	C032C25201	EPA 8270-M	U	NAPHTHALENE	0.37 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0	C032C25201	EPA 8270-M	U	PHENANTHRENE	2.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0	C032C25201	EPA 8270-M	U	PYRENE	4.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0.5	C032C25301	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.58 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0.5	C032C25301	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0.5	C032C25301	EPA 8270-M	U	ACENAPHTHYLENE	2.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0.5	C032C25301	EPA 8270-M	U	ANTHRACENE	6 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0.5	C032C25301	EPA 8270-M	U	BENZ(A)ANTHRACENE	12 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0.5	C032C25301	EPA 8270-M	U	BENZO(A)PYRENE	14 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0.5	C032C25301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	9.7 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0.5	C032C25301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8 UG/KG	B	UJ	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0.5	C032C25301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	12 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0.5	C032C25301	EPA 8270-M	U	CHRYSENE	14 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0.5	C032C25301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0.5	C032C25301	EPA 8270-M	U	FLUORANTHENE	20 UG/KG		J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0.5	C032C25301	EPA 8270-M	U	FLUORENE	1.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-56	SB	REG	0.5	C032C25301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.8 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0.5	C032C25301	EPA 8270-M	U	NAPHTHALENE	0.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0.5	C032C25301	EPA 8270-M	U	PHENANTHRENE	17 UG/KG		J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	0.5	C032C25301	EPA 8270-M	U	PYRENE	26 UG/KG		J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	2	C032C25401	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.37 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	2	C032C25401	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	2	C032C25401	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	2	C032C25401	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	2	C032C25401	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	2	C032C25401	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	2	C032C25401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.3 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	2	C032C25401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.5 UG/KG	B	UJ	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	2	C032C25401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	2	C032C25401	EPA 8270-M	U	CHRYSENE	3.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	2	C032C25401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	2	C032C25401	EPA 8270-M	U	FLUORANTHENE	3.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	2	C032C25401	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	2	C032C25401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.2 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	2	C032C25401	EPA 8270-M	U	NAPHTHALENE	0.37 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	2	C032C25401	EPA 8270-M	U	PHENANTHRENE	1.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	2	C032C25401	EPA 8270-M	U	PYRENE	4.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	4	C032C25501	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.59 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	4	C032C25501	EPA 8270-M	U	ACENAPHTHENE	4.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	4	C032C25501	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	4	C032C25501	EPA 8270-M	U	ANTHRACENE	1.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	4	C032C25501	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	4	C032C25501	EPA 8270-M	U	BENZO(A)PYRENE	8.4 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-56	SB	REG	4	C032C25501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.1 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	4	C032C25501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.5 UG/KG	B	UJ	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	4	C032C25501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.7 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	4	C032C25501	EPA 8270-M	U	CHRYSENE	4.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	4	C032C25501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	4	C032C25501	EPA 8270-M	U	FLUORANTHENE	7 UG/KG		J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	4	C032C25501	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	4	C032C25501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.3 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	4	C032C25501	EPA 8270-M	U	NAPHTHALENE	0.91 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	4	C032C25501	EPA 8270-M	U	PHENANTHRENE	2.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-56	SB	REG	4	C032C25501	EPA 8270-M	U	PYRENE	13 UG/KG		J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-57	SB	REG	0	C032C25701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0	C032C25701	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0	C032C25701	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0	C032C25701	EPA 8270-M	U	ANTHRACENE	1.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0	C032C25701	EPA 8270-M	U	BENZ(A)ANTHRACENE	50 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0	C032C25701	EPA 8270-M	U	BENZO(A)PYRENE	99 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0	C032C25701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	120 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0	C032C25701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	94 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0	C032C25701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	39 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0	C032C25701	EPA 8270-M	U	CHRYSENE	66 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0	C032C25701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	17 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0	C032C25701	EPA 8270-M	U	FLUORANTHENE	49 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0	C032C25701	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0	C032C25701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	99 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0	C032C25701	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0	C032C25701	EPA 8270-M	U	PHENANTHRENE	8.2 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-57	SB	REG	0	C032C25701	EPA 8270-M	U	PYRENE	49 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0.5	C032C25801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0.5	C032C25801	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0.5	C032C25801	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0.5	C032C25801	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0.5	C032C25801	EPA 8270-M	U	BENZ(A)ANTHRACENE	10 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0.5	C032C25801	EPA 8270-M	U	BENZO(A)PYRENE	17 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0.5	C032C25801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	22 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0.5	C032C25801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	15 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0.5	C032C25801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.8 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0.5	C032C25801	EPA 8270-M	U	CHRYSENE	13 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0.5	C032C25801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0.5	C032C25801	EPA 8270-M	U	FLUORANTHENE	14 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0.5	C032C25801	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0.5	C032C25801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	17 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0.5	C032C25801	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0.5	C032C25801	EPA 8270-M	U	PHENANTHRENE	3.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	0.5	C032C25801	EPA 8270-M	U	PYRENE	14 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	2	C032C25901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	2	C032C25901	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	2	C032C25901	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	2	C032C25901	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	2	C032C25901	EPA 8270-M	U	BENZ(A)ANTHRACENE	14 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	2	C032C25901	EPA 8270-M	U	BENZO(A)PYRENE	23 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	2	C032C25901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	29 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	2	C032C25901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	22 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	2	C032C25901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9.2 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-57	SB	REG	2	C032C25901	EPA 8270-M	U	CHRYSENE	18 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	2	C032C25901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	2	C032C25901	EPA 8270-M	U	FLUORANTHENE	18 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	2	C032C25901	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	2	C032C25901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	23 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	2	C032C25901	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	2	C032C25901	EPA 8270-M	U	PHENANTHRENE	4.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	2	C032C25901	EPA 8270-M	U	PYRENE	18 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	4	C032C26001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	4	C032C26001	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	4	C032C26001	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	4	C032C26001	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	4	C032C26001	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	4	C032C26001	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	4	C032C26001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	4	C032C26001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.3 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	4	C032C26001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.1 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	4	C032C26001	EPA 8270-M	U	CHRYSENE	3.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	4	C032C26001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	4	C032C26001	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	4	C032C26001	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	4	C032C26001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	4	C032C26001	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	4	C032C26001	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-57	SB	REG	4	C032C26001	EPA 8270-M	U	PYRENE	11 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0	C032C26101	EPA 8270-M	U	2-METHYLNAPHTHALENE	31 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0	C032C26101	EPA 8270-M	U	ACENAPHTHENE	60 UG/KG	G		000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-58	SB	REG	0	C032C26101	EPA 8270-M	U	ACENAPHTHYLENE	36 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0	C032C26101	EPA 8270-M	U	ANTHRACENE	64 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0	C032C26101	EPA 8270-M	U	BENZ(A)ANTHRACENE	550 UG/KG	B	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0	C032C26101	EPA 8270-M	U	BENZO(A)PYRENE	890 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0	C032C26101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1100 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0	C032C26101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	530 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0	C032C26101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	770 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0	C032C26101	EPA 8270-M	U	CHRYSENE	710 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0	C032C26101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	230 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0	C032C26101	EPA 8270-M	U	FLUORANTHENE	560 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0	C032C26101	EPA 8270-M	U	FLUORENE	50 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0	C032C26101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	640 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0	C032C26101	EPA 8270-M	U	NAPHTHALENE	28 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0	C032C26101	EPA 8270-M	U	PHENANTHRENE	130 UG/KG	B	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0	C032C26101	EPA 8270-M	U	PYRENE	600 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0.5	C032C26201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0.5	C032C26201	EPA 8270-M	U	ACENAPHTHENE	3.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0.5	C032C26201	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0.5	C032C26201	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0.5	C032C26201	EPA 8270-M	U	BENZ(A)ANTHRACENE	95 UG/KG	B	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0.5	C032C26201	EPA 8270-M	U	BENZO(A)PYRENE	170 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0.5	C032C26201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	150 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0.5	C032C26201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	92 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0.5	C032C26201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	170 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0.5	C032C26201	EPA 8270-M	U	CHRYSENE	130 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0.5	C032C26201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	27 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0.5	C032C26201	EPA 8270-M	U	FLUORANTHENE	120 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-58	SB	REG	0.5	C032C26201	EPA 8270-M	U	FLUORENE	1.2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0.5	C032C26201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	120 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0.5	C032C26201	EPA 8270-M	U	NAPHTHALENE	2.2 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0.5	C032C26201	EPA 8270-M	U	PHENANTHRENE	28 UG/KG	B	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	0.5	C032C26201	EPA 8270-M	U	PYRENE	130 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-58	SB	REG	2	C032C26301	EPA 8270-M	U	2-METHYLNAPHTHALENE	1100 UG/KG	JB	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	2	C032C26301	EPA 8270-M	U	ACENAPHTHENE	580 UG/KG	JQ	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	2	C032C26301	EPA 8270-M	U	ACENAPHTHYLENE	1100 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	2	C032C26301	EPA 8270-M	U	ANTHRACENE	470 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	2	C032C26301	EPA 8270-M	U	BENZ(A)ANTHRACENE	12000 UG/KG	B	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	2	C032C26301	EPA 8270-M	U	BENZO(A)PYRENE	27000 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	2	C032C26301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	22000 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	2	C032C26301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	11000 UG/KG	B	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	2	C032C26301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	29000 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	2	C032C26301	EPA 8270-M	U	CHRYSENE	16000 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	2	C032C26301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6700 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	2	C032C26301	EPA 8270-M	U	FLUORANTHENE	7400 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	2	C032C26301	EPA 8270-M	U	FLUORENE	360 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	2	C032C26301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	16000 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	2	C032C26301	EPA 8270-M	U	NAPHTHALENE	570 UG/KG	JB	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	2	C032C26301	EPA 8270-M	U	PHENANTHRENE	1200 UG/KG	B	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	2	C032C26301	EPA 8270-M	U	PYRENE	8600 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	2-METHYLNAPHTHALENE	48 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	ACENAPHTHENE	210 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	ACENAPHTHYLENE	2.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	ANTHRACENE	220 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5700 UG/KG	BE	R	000 REG	5/22/2002	5/23/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	BENZO(A)PYRENE	7000 UG/KG	BE	R	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	9400 UG/KG	BE	R	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2800 UG/KG	BE	R	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5800 UG/KG	BE	R	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	CHRYSENE	6400 UG/KG	BE	R	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1700 UG/KG	BE	R	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	FLUORANTHENE	4200 UG/KG	BE	R	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	FLUORENE	100 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4100 UG/KG	BE	R	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	NAPHTHALENE	180 UG/KG	B		000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	PHENANTHRENE	840 UG/KG	BE	R	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	PYRENE	4600 UG/KG	BE	R	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	2-METHYLNAPHTHALENE	52 UG/KG	JB	R	DL1 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	ACENAPHTHENE	190 UG/KG	JQ	R	DL1 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	ACENAPHTHYLENE	570 UG/KG	U	R	DL1 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	ANTHRACENE	230 UG/KG	J	R	DL1 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	BENZ(A)ANTHRACENE	4700 UG/KG	B	J	DL1 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	BENZO(A)PYRENE	9000 UG/KG	B		DL1 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	10000 UG/KG	B		DL1 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3800 UG/KG	B	J	DL1 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	7700 UG/KG	B		DL1 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	CHRYSENE	6200 UG/KG	B		DL1 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2200 UG/KG	B		DL1 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	FLUORANTHENE	3600 UG/KG	B		DL1 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	FLUORENE	570 UG/KG	U	R	DL1 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5300 UG/KG	B		DL1 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	NAPHTHALENE	180 UG/KG	JB	R	DL1 REG	5/22/2002	5/23/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	PHENANTHRENE	720 UG/KG	B	J	DL1 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-58	SB	REG	4	C032C26401	EPA 8270-M	U	PYRENE	3800 UG/KG	B		DL1 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-59	SB	FD	0.5	C032C26701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	FD	0.5	C032C26701	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	FD	0.5	C032C26701	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	FD	0.5	C032C26701	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	FD	0.5	C032C26701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	FD	0.5	C032C26701	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	FD	0.5	C032C26701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	FD	0.5	C032C26701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	FD	0.5	C032C26701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	FD	0.5	C032C26701	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	FD	0.5	C032C26701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	FD	0.5	C032C26701	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	FD	0.5	C032C26701	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	FD	0.5	C032C26701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	FD	0.5	C032C26701	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	FD	0.5	C032C26701	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	FD	0.5	C032C26701	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0	C032C26501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0	C032C26501	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0	C032C26501	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0	C032C26501	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0	C032C26501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0	C032C26501	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0	C032C26501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0	C032C26501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	22 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-59	SB	REG	0	C032C26501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0	C032C26501	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0	C032C26501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0	C032C26501	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0	C032C26501	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0	C032C26501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0	C032C26501	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0	C032C26501	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0	C032C26501	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0.5	C032C26601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0.5	C032C26601	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0.5	C032C26601	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0.5	C032C26601	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0.5	C032C26601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0.5	C032C26601	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0.5	C032C26601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0.5	C032C26601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0.5	C032C26601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0.5	C032C26601	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0.5	C032C26601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0.5	C032C26601	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0.5	C032C26601	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0.5	C032C26601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0.5	C032C26601	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0.5	C032C26601	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	0.5	C032C26601	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	2	C032C26801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-59	SB	REG	2	C032C26801	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	2	C032C26801	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	2	C032C26801	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	2	C032C26801	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	2	C032C26801	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	2	C032C26801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	2	C032C26801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	9.6 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	2	C032C26801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	2	C032C26801	EPA 8270-M	U	CHRYSENE	6.4 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	2	C032C26801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.4 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	2	C032C26801	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	2	C032C26801	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	2	C032C26801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	2	C032C26801	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	2	C032C26801	EPA 8270-M	U	PHENANTHRENE	3.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	2	C032C26801	EPA 8270-M	U	PYRENE	3.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	4	C032C26901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	4	C032C26901	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	4	C032C26901	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	4	C032C26901	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	4	C032C26901	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	4	C032C26901	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	4	C032C26901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	4	C032C26901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	4	C032C26901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	4	C032C26901	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	4	C032C26901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-59	SB	REG	4	C032C26901	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	4	C032C26901	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	4	C032C26901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	4	C032C26901	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	4	C032C26901	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-59	SB	REG	4	C032C26901	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-6	SB	REG	0	C032C05901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0	C032C05901	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0	C032C05901	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0	C032C05901	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0	C032C05901	EPA 8270-M	U	BENZ(A)ANTHRACENE	1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0	C032C05901	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0	C032C05901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0	C032C05901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.79 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0	C032C05901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0	C032C05901	EPA 8270-M	U	CHRYSENE	1.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0	C032C05901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.19 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0	C032C05901	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0	C032C05901	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0	C032C05901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0	C032C05901	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0	C032C05901	EPA 8270-M	U	PHENANTHRENE	0.38 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0	C032C05901	EPA 8270-M	U	PYRENE	0.45 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0.5	C032C06001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0.5	C032C06001	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0.5	C032C06001	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0.5	C032C06001	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-6	SB	REG	0.5	C032C06001	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0.5	C032C06001	EPA 8270-M	U	BENZO(A)PYRENE	1.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0.5	C032C06001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.84 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0.5	C032C06001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0.5	C032C06001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.79 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0.5	C032C06001	EPA 8270-M	U	CHRYSENE	1.9 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0.5	C032C06001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0.5	C032C06001	EPA 8270-M	U	FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0.5	C032C06001	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0.5	C032C06001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0.5	C032C06001	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0.5	C032C06001	EPA 8270-M	U	PHENANTHRENE	0.46 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	0.5	C032C06001	EPA 8270-M	U	PYRENE	2 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	2	C032C06101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	2	C032C06101	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	2	C032C06101	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	2	C032C06101	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	2	C032C06101	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.78 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	2	C032C06101	EPA 8270-M	U	BENZO(A)PYRENE	0.74 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	2	C032C06101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.59 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	2	C032C06101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.8 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	2	C032C06101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.4 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	2	C032C06101	EPA 8270-M	U	CHRYSENE	1.5 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	2	C032C06101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	2	C032C06101	EPA 8270-M	U	FLUORANTHENE	0.88 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	2	C032C06101	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	2	C032C06101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.66 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-6	SB	REG	2	C032C06101	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	2	C032C06101	EPA 8270-M	U	PHENANTHRENE	0.47 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	2	C032C06101	EPA 8270-M	U	PYRENE	1.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	4	C032C06201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	4	C032C06201	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	4	C032C06201	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	4	C032C06201	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	4	C032C06201	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.53 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	4	C032C06201	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	4	C032C06201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	4	C032C06201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	4	C032C06201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	4	C032C06201	EPA 8270-M	U	CHRYSENE	1.1 UG/KG	J	J	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	4	C032C06201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	4	C032C06201	EPA 8270-M	U	FLUORANTHENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	4	C032C06201	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	4	C032C06201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	4	C032C06201	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	4	C032C06201	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-6	SB	REG	4	C032C06201	EPA 8270-M	U	PYRENE	5.5 UG/KG	U	UJ	000 REG	5/21/2002	5/22/2002	5/25/2002
32FED-1A-60	SB	REG	0	C032C02701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	0	C032C02701	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	0	C032C02701	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	0	C032C02701	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	0	C032C02701	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.5 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	0	C032C02701	EPA 8270-M	U	BENZO(A)PYRENE	2.7 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	0	C032C02701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.6 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-60	SB	REG	0	C032C02701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	28 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	0	C032C02701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	0	C032C02701	EPA 8270-M	U	CHRYSENE	5.2 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	0	C032C02701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	0	C032C02701	EPA 8270-M	U	FLUORANTHENE	2.4 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	0	C032C02701	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	0	C032C02701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.1 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	0	C032C02701	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	0	C032C02701	EPA 8270-M	U	PHENANTHRENE	2.5 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	0	C032C02701	EPA 8270-M	U	PYRENE	3.6 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	0.5	C032C02801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	0.5	C032C02801	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	0.5	C032C02801	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	0.5	C032C02801	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	0.5	C032C02801	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	0.5	C032C02801	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	0.5	C032C02801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	0.5	C032C02801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.3 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	0.5	C032C02801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	0.5	C032C02801	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	0.5	C032C02801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	0.5	C032C02801	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	0.5	C032C02801	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	0.5	C032C02801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	0.5	C032C02801	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	0.5	C032C02801	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	0.5	C032C02801	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-60	SB	REG	2	C032C02901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	2	C032C02901	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	2	C032C02901	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	2	C032C02901	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	2	C032C02901	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.8 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	2	C032C02901	EPA 8270-M	U	BENZO(A)PYRENE	3.4 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	2	C032C02901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.4 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	2	C032C02901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	19 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	2	C032C02901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	2	C032C02901	EPA 8270-M	U	CHRYSENE	15 UG/KG			000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	2	C032C02901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	2	C032C02901	EPA 8270-M	U	FLUORANTHENE	2.2 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	2	C032C02901	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	2	C032C02901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.7 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	2	C032C02901	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	2	C032C02901	EPA 8270-M	U	PHENANTHRENE	4.5 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	2	C032C02901	EPA 8270-M	U	PYRENE	3.9 UG/KG	J	J	000 REG	4/27/2002	4/29/2002	5/1/2002
32FED-1A-60	SB	REG	4	C032C03001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	4	C032C03001	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	4	C032C03001	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	4	C032C03001	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	4	C032C03001	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	4	C032C03001	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	4	C032C03001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	4	C032C03001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	4	C032C03001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	4	C032C03001	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-60	SB	REG	4	C032C03001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	4	C032C03001	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	4	C032C03001	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	4	C032C03001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	4	C032C03001	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	4	C032C03001	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-60	SB	REG	4	C032C03001	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-61	SB	FD	0.5	C032C03301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	FD	0.5	C032C03301	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	FD	0.5	C032C03301	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	FD	0.5	C032C03301	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	FD	0.5	C032C03301	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.2 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	FD	0.5	C032C03301	EPA 8270-M	U	BENZO(A)PYRENE	4 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	FD	0.5	C032C03301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	FD	0.5	C032C03301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	27 UG/KG		J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	FD	0.5	C032C03301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	FD	0.5	C032C03301	EPA 8270-M	U	CHRYSENE	12 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	FD	0.5	C032C03301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG		J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	FD	0.5	C032C03301	EPA 8270-M	U	FLUORANTHENE	3.3 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	FD	0.5	C032C03301	EPA 8270-M	U	FLUORENE	1.6 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	FD	0.5	C032C03301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.2 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	FD	0.5	C032C03301	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	FD	0.5	C032C03301	EPA 8270-M	U	PHENANTHRENE	6.6 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	FD	0.5	C032C03301	EPA 8270-M	U	PYRENE	4.8 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	FD	4	C032C03601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-61	SB	FD	4	C032C03601	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-61	SB	FD	4	C032C03601	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-61	SB	FD	4	C032C03601	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-61	SB	FD	4	C032C03601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-61	SB	FD	4	C032C03601	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-61	SB	FD	4	C032C03601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-61	SB	FD	4	C032C03601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-61	SB	FD	4	C032C03601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-61	SB	FD	4	C032C03601	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-61	SB	FD	4	C032C03601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-61	SB	FD	4	C032C03601	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-61	SB	FD	4	C032C03601	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-61	SB	FD	4	C032C03601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-61	SB	FD	4	C032C03601	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-61	SB	FD	4	C032C03601	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-61	SB	FD	4	C032C03601	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/29/2002	4/30/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	2-METHYLNAPHTHALENE	370 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	ACENAPHTHENE	52 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	ANTHRACENE	43 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	BENZ(A)ANTHRACENE	150 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	BENZO(A)PYRENE	120 UG/KG		R	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	320 UG/KG		R	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	97 UG/KG		R	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	R	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	CHRYSENE	610 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	74 UG/KG		R	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	FLUORANTHENE	110 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	FLUORENE	200 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	R	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	NAPHTHALENE	38 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	PHENANTHRENE	910 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	PYRENE	290 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	2-METHYLNAPHTHALENE	330 UG/KG	D	R	DL1 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	ACENAPHTHENE	52 UG/KG	JD	R	DL1 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	ACENAPHTHYLENE	54 UG/KG	U	R	DL1 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	ANTHRACENE	36 UG/KG	JD	R	DL1 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	BENZ(A)ANTHRACENE	140 UG/KG	D	R	DL1 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	BENZO(A)PYRENE	100 UG/KG	D		DL1 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	230 UG/KG	D		DL1 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	140 UG/KG	D		DL1 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	54 UG/KG	U	U	DL1 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	CHRYSENE	550 UG/KG	D	R	DL1 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	82 UG/KG	D		DL1 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	FLUORANTHENE	110 UG/KG	D	R	DL1 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	FLUORENE	210 UG/KG	D	R	DL1 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	29 UG/KG	JD	J	DL1 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	NAPHTHALENE	31 UG/KG	JD	R	DL1 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	PHENANTHRENE	880 UG/KG	D	R	DL1 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0	C032C03101	EPA 8270-M	U	PYRENE	270 UG/KG	D	R	DL1 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	0.5	C032C03201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-61	SB	REG	0.5	C032C03201	EPA 8270-M	U	ACENAPHTHENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-61	SB	REG	0.5	C032C03201	EPA 8270-M	U	ACENAPHTHYLENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-61	SB	REG	0.5	C032C03201	EPA 8270-M	U	ANTHRACENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-61	SB	REG	0.5	C032C03201	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.7 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-61	SB	REG	0.5	C032C03201	EPA 8270-M	U	BENZO(A)PYRENE	6.4 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-61	SB	REG	0.5	C032C03201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	9.6 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-61	SB	REG	0.5	C032C03201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	28 UG/KG		J	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-61	SB	REG	0.5	C032C03201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-61	SB	REG	0.5	C032C03201	EPA 8270-M	U	CHRYSENE	21 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-61	SB	REG	0.5	C032C03201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.6 UG/KG		J	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-61	SB	REG	0.5	C032C03201	EPA 8270-M	U	FLUORANTHENE	4.9 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-61	SB	REG	0.5	C032C03201	EPA 8270-M	U	FLUORENE	2.5 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-61	SB	REG	0.5	C032C03201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.3 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-61	SB	REG	0.5	C032C03201	EPA 8270-M	U	NAPHTHALENE	6.3 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-61	SB	REG	0.5	C032C03201	EPA 8270-M	U	PHENANTHRENE	11 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-61	SB	REG	0.5	C032C03201	EPA 8270-M	U	PYRENE	7.1 UG/KG			000 REG	4/27/2002	4/30/2002	5/3/2002
32FED-1A-61	SB	REG	2	C032C03401	EPA 8270-M	U	2-METHYLNAPHTHALENE	16 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	2	C032C03401	EPA 8270-M	U	ACENAPHTHENE	4.4 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	2	C032C03401	EPA 8270-M	U	ACENAPHTHYLENE	1.8 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	2	C032C03401	EPA 8270-M	U	ANTHRACENE	2.9 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	2	C032C03401	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	2	C032C03401	EPA 8270-M	U	BENZO(A)PYRENE	12 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	2	C032C03401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	23 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	2	C032C03401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	30 UG/KG		J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	2	C032C03401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	2	C032C03401	EPA 8270-M	U	CHRYSENE	51 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	2	C032C03401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	10 UG/KG		J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	2	C032C03401	EPA 8270-M	U	FLUORANTHENE	12 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	2	C032C03401	EPA 8270-M	U	FLUORENE	17 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	2	C032C03401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.4 UG/KG		J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	2	C032C03401	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	2	C032C03401	EPA 8270-M	U	PHENANTHRENE	67 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-61	SB	REG	2	C032C03401	EPA 8270-M	U	PYRENE	22 UG/KG			000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	4	C032C03501	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	4	C032C03501	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	4	C032C03501	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	4	C032C03501	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	4	C032C03501	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	4	C032C03501	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	4	C032C03501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	4	C032C03501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.2 UG/KG	U	UJ	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	4	C032C03501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	4	C032C03501	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	4	C032C03501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	UJ	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	4	C032C03501	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	4	C032C03501	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	4	C032C03501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.78 UG/KG	J	J	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	4	C032C03501	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	4	C032C03501	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-61	SB	REG	4	C032C03501	EPA 8270-M	U	PYRENE	6.2 UG/KG	U	U	000 REG	4/27/2002	4/30/2002	5/1/2002
32FED-1A-62	SB	REG	0	C032C27001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0	C032C27001	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0	C032C27001	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0	C032C27001	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0	C032C27001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0	C032C27001	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0	C032C27001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.7 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0	C032C27001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.5 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0	C032C27001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-62	SB	REG	0	C032C27001	EPA 8270-M	U	CHRYSENE	7.9 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0	C032C27001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0	C032C27001	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0	C032C27001	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0	C032C27001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.5 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0	C032C27001	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0	C032C27001	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0	C032C27001	EPA 8270-M	U	PYRENE	2.9 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0.5	C032C27101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0.5	C032C27101	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0.5	C032C27101	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0.5	C032C27101	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0.5	C032C27101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0.5	C032C27101	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0.5	C032C27101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0.5	C032C27101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0.5	C032C27101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0.5	C032C27101	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0.5	C032C27101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0.5	C032C27101	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0.5	C032C27101	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0.5	C032C27101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0.5	C032C27101	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0.5	C032C27101	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	0.5	C032C27101	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	2	C032C27201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	2	C032C27201	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-62	SB	REG	2	C032C27201	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	2	C032C27201	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	2	C032C27201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	2	C032C27201	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	2	C032C27201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	2	C032C27201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	2	C032C27201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	2	C032C27201	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	2	C032C27201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	2	C032C27201	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	2	C032C27201	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	2	C032C27201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	2	C032C27201	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	2	C032C27201	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	2	C032C27201	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	4	C032C27301	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	4	C032C27301	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	4	C032C27301	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	4	C032C27301	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	4	C032C27301	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	4	C032C27301	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	4	C032C27301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	4	C032C27301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	4	C032C27301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	4	C032C27301	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	4	C032C27301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	4	C032C27301	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-62	SB	REG	4	C032C27301	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	4	C032C27301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	4	C032C27301	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	4	C032C27301	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-62	SB	REG	4	C032C27301	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-63	SB	FD	4	C032C27801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	FD	4	C032C27801	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	FD	4	C032C27801	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	FD	4	C032C27801	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	FD	4	C032C27801	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	FD	4	C032C27801	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	FD	4	C032C27801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	FD	4	C032C27801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	FD	4	C032C27801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	FD	4	C032C27801	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	FD	4	C032C27801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	FD	4	C032C27801	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	FD	4	C032C27801	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	FD	4	C032C27801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	FD	4	C032C27801	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	FD	4	C032C27801	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	FD	4	C032C27801	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	0	C032C27401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-63	SB	REG	0	C032C27401	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-63	SB	REG	0	C032C27401	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-63	SB	REG	0	C032C27401	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-63	SB	REG	0	C032C27401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-63	SB	REG	0	C032C27401	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-63	SB	REG	0	C032C27401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-63	SB	REG	0	C032C27401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.7 UG/KG			000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-63	SB	REG	0	C032C27401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-63	SB	REG	0	C032C27401	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-63	SB	REG	0	C032C27401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-63	SB	REG	0	C032C27401	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-63	SB	REG	0	C032C27401	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-63	SB	REG	0	C032C27401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-63	SB	REG	0	C032C27401	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-63	SB	REG	0	C032C27401	EPA 8270-M	U	PHENANTHRENE	1.4 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-63	SB	REG	0	C032C27401	EPA 8270-M	U	PYRENE	2.7 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/20/2002
32FED-1A-63	SB	REG	0.5	C032C27501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	0.5	C032C27501	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	0.5	C032C27501	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	0.5	C032C27501	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	0.5	C032C27501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	0.5	C032C27501	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	0.5	C032C27501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	0.5	C032C27501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	0.5	C032C27501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	0.5	C032C27501	EPA 8270-M	U	CHRYSENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	0.5	C032C27501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	0.5	C032C27501	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	0.5	C032C27501	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	0.5	C032C27501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	0.5	C032C27501	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-63	SB	REG	0.5	C032C27501	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	0.5	C032C27501	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	2	C032C27601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	2	C032C27601	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	2	C032C27601	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	2	C032C27601	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	2	C032C27601	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.1 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	2	C032C27601	EPA 8270-M	U	BENZO(A)PYRENE	4.8 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	2	C032C27601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.3 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	2	C032C27601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.9 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	2	C032C27601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.9 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	2	C032C27601	EPA 8270-M	U	CHRYSENE	3.8 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	2	C032C27601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	2	C032C27601	EPA 8270-M	U	FLUORANTHENE	6.8 UG/KG			000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	2	C032C27601	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	2	C032C27601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.3 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	2	C032C27601	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	2	C032C27601	EPA 8270-M	U	PHENANTHRENE	3.8 UG/KG	J	J	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	2	C032C27601	EPA 8270-M	U	PYRENE	8.1 UG/KG			000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	4	C032C27701	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	4	C032C27701	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	4	C032C27701	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	4	C032C27701	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	4	C032C27701	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	4	C032C27701	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	4	C032C27701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	4	C032C27701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-63	SB	REG	4	C032C27701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	4	C032C27701	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	4	C032C27701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	4	C032C27701	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	4	C032C27701	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	4	C032C27701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	4	C032C27701	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	4	C032C27701	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-63	SB	REG	4	C032C27701	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-64	SB	REG	0	C032C27901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0	C032C27901	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0	C032C27901	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0	C032C27901	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0	C032C27901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0	C032C27901	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0	C032C27901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.4 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0	C032C27901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	23 UG/KG			000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0	C032C27901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0	C032C27901	EPA 8270-M	U	CHRYSENE	2.6 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0	C032C27901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0	C032C27901	EPA 8270-M	U	FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0	C032C27901	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0	C032C27901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0	C032C27901	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0	C032C27901	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0	C032C27901	EPA 8270-M	U	PYRENE	2.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0.5	C032C28001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-64	SB	REG	0.5	C032C28001	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0.5	C032C28001	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0.5	C032C28001	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0.5	C032C28001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0.5	C032C28001	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0.5	C032C28001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0.5	C032C28001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0.5	C032C28001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0.5	C032C28001	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0.5	C032C28001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0.5	C032C28001	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0.5	C032C28001	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0.5	C032C28001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0.5	C032C28001	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0.5	C032C28001	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	0.5	C032C28001	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	2	C032C28101	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	2	C032C28101	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	2	C032C28101	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	2	C032C28101	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	2	C032C28101	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	2	C032C28101	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	2	C032C28101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	2	C032C28101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	2	C032C28101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	2	C032C28101	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	2	C032C28101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-64	SB	REG	2	C032C28101	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	2	C032C28101	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	2	C032C28101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	2	C032C28101	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	2	C032C28101	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	2	C032C28101	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	4	C032C28201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	4	C032C28201	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	4	C032C28201	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	4	C032C28201	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	4	C032C28201	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	4	C032C28201	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	4	C032C28201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	4	C032C28201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	4	C032C28201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	4	C032C28201	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	4	C032C28201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	4	C032C28201	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	4	C032C28201	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	4	C032C28201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	4	C032C28201	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	4	C032C28201	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-64	SB	REG	4	C032C28201	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	2-METHYLNAPHTHALENE	53 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	ACENAPHTHENE	53 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	ACENAPHTHYLENE	53 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	ANTHRACENE	53 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	BENZ(A)ANTHRACENE	53 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	BENZO(A)PYRENE	53 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	53 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	52 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	53 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	53 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	FLUORANTHENE	53 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	FLUORENE	53 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	53 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	NAPHTHALENE	53 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	PHENANTHRENE	53 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	PYRENE	53 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	2-METHYLNAPHTHALENE	530 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	ACENAPHTHENE	530 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	ACENAPHTHYLENE	530 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	ANTHRACENE	530 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	BENZ(A)ANTHRACENE	530 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	BENZO(A)PYRENE	530 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	530 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	530 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	530 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	CHRYSENE	530 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	530 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	FLUORANTHENE	530 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	FLUORENE	530 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	530 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	NAPHTHALENE	530 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	PHENANTHRENE	530 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	0	C032C28301	EPA 8270-M	U	PYRENE	530 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	0.5	C032C28401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	0.5	C032C28401	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	0.5	C032C28401	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	0.5	C032C28401	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	0.5	C032C28401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	0.5	C032C28401	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	0.5	C032C28401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	0.5	C032C28401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	0.5	C032C28401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.67 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	0.5	C032C28401	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	0.5	C032C28401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	0.5	C032C28401	EPA 8270-M	U	FLUORANTHENE	0.42 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	0.5	C032C28401	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	0.5	C032C28401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.63 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	0.5	C032C28401	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	0.5	C032C28401	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	0.5	C032C28401	EPA 8270-M	U	PYRENE	0.63 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	2	C032C28501	EPA 8270-M	U	2-METHYLNAPHTHALENE	63 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	2	C032C28501	EPA 8270-M	U	ACENAPHTHENE	63 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	2	C032C28501	EPA 8270-M	U	ACENAPHTHYLENE	63 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	2	C032C28501	EPA 8270-M	U	ANTHRACENE	63 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	2	C032C28501	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	2	C032C28501	EPA 8270-M	U	BENZO(A)PYRENE	9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	2	C032C28501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	63 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-65	SB	REG	2	C032C28501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	18 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	2	C032C28501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	2	C032C28501	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	2	C032C28501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	2	C032C28501	EPA 8270-M	U	FLUORANTHENE	63 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	2	C032C28501	EPA 8270-M	U	FLUORENE	63 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	2	C032C28501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	2	C032C28501	EPA 8270-M	U	NAPHTHALENE	63 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	2	C032C28501	EPA 8270-M	U	PHENANTHRENE	63 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	2	C032C28501	EPA 8270-M	U	PYRENE	6.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-65	SB	REG	4	C032C28601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	4	C032C28601	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	4	C032C28601	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	4	C032C28601	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	4	C032C28601	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.99 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	4	C032C28601	EPA 8270-M	U	BENZO(A)PYRENE	1.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	4	C032C28601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	4	C032C28601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	4	C032C28601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	4	C032C28601	EPA 8270-M	U	CHRYSENE	1.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	4	C032C28601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	4	C032C28601	EPA 8270-M	U	FLUORANTHENE	0.87 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	4	C032C28601	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	4	C032C28601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	4	C032C28601	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	4	C032C28601	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-65	SB	REG	4	C032C28601	EPA 8270-M	U	PYRENE	1.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-66	SB	FD	0.5	C032C28901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	FD	0.5	C032C28901	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	FD	0.5	C032C28901	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	FD	0.5	C032C28901	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	FD	0.5	C032C28901	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.47 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	FD	0.5	C032C28901	EPA 8270-M	U	BENZO(A)PYRENE	0.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	FD	0.5	C032C28901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.63 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	FD	0.5	C032C28901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.75 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	FD	0.5	C032C28901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.65 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	FD	0.5	C032C28901	EPA 8270-M	U	CHRYSENE	1.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	FD	0.5	C032C28901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	FD	0.5	C032C28901	EPA 8270-M	U	FLUORANTHENE	0.54 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	FD	0.5	C032C28901	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	FD	0.5	C032C28901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	FD	0.5	C032C28901	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	FD	0.5	C032C28901	EPA 8270-M	U	PHENANTHRENE	0.58 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	FD	0.5	C032C28901	EPA 8270-M	U	PYRENE	1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	2-METHYLNAPHTHALENE	15 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	ACENAPHTHENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	ACENAPHTHYLENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	ANTHRACENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	BENZO(A)PYRENE	4.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	26 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	CHRYSENE	32 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	FLUORANTHENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	FLUORENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	52 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	NAPHTHALENE	4.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	PHENANTHRENE	22 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	PYRENE	7.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	2-METHYLNAPHTHALENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	ACENAPHTHENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	ACENAPHTHYLENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	ANTHRACENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	BENZ(A)ANTHRACENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	BENZO(A)PYRENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	CHRYSENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	FLUORANTHENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	FLUORENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	NAPHTHALENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	PHENANTHRENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	0	C032C28701	EPA 8270-M	U	PYRENE	520 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	0.5	C032C28801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	0.5	C032C28801	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	0.5	C032C28801	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-66	SB	REG	0.5	C032C28801	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	0.5	C032C28801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	0.5	C032C28801	EPA 8270-M	U	BENZO(A)PYRENE	0.46 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	0.5	C032C28801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	0.5	C032C28801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	0.5	C032C28801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.53 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	0.5	C032C28801	EPA 8270-M	U	CHRYSENE	0.62 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	0.5	C032C28801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.47 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	0.5	C032C28801	EPA 8270-M	U	FLUORANTHENE	0.52 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	0.5	C032C28801	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	0.5	C032C28801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.75 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	0.5	C032C28801	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	0.5	C032C28801	EPA 8270-M	U	PHENANTHRENE	0.39 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	0.5	C032C28801	EPA 8270-M	U	PYRENE	0.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	2	C032C29001	EPA 8270-M	U	2-METHYLNAPHTHALENE	19 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	2	C032C29001	EPA 8270-M	U	ACENAPHTHENE	57 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	2	C032C29001	EPA 8270-M	U	ACENAPHTHYLENE	57 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	2	C032C29001	EPA 8270-M	U	ANTHRACENE	57 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	2	C032C29001	EPA 8270-M	U	BENZ(A)ANTHRACENE	57 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	2	C032C29001	EPA 8270-M	U	BENZO(A)PYRENE	57 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	2	C032C29001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	57 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	2	C032C29001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	13 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	2	C032C29001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	57 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	2	C032C29001	EPA 8270-M	U	CHRYSENE	7.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	2	C032C29001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	8.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	2	C032C29001	EPA 8270-M	U	FLUORANTHENE	57 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	2	C032C29001	EPA 8270-M	U	FLUORENE	57 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-66	SB	REG	2	C032C29001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	2	C032C29001	EPA 8270-M	U	NAPHTHALENE	3.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	2	C032C29001	EPA 8270-M	U	PHENANTHRENE	14 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	2	C032C29001	EPA 8270-M	U	PYRENE	6.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-66	SB	REG	4	C032C29101	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	4	C032C29101	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	4	C032C29101	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	4	C032C29101	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	4	C032C29101	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	4	C032C29101	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	4	C032C29101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	4	C032C29101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	4	C032C29101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	4	C032C29101	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	4	C032C29101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	4	C032C29101	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	4	C032C29101	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	4	C032C29101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	4	C032C29101	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	4	C032C29101	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-66	SB	REG	4	C032C29101	EPA 8270-M	U	PYRENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-67	SB	REG	0	C032C29201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-67	SB	REG	0	C032C29201	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-67	SB	REG	0	C032C29201	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	UJ	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-67	SB	REG	0	C032C29201	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-67	SB	REG	0	C032C29201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-67	SB	REG	0	C032C29201	EPA 8270-M	U	BENZO(A)PYRENE	2 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-67	SB	REG	0	C032C29201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-67	SB	REG	0	C032C29201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-67	SB	REG	0	C032C29201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-67	SB	REG	0	C032C29201	EPA 8270-M	U	CHRYSENE	6 UG/KG			000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-67	SB	REG	0	C032C29201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-67	SB	REG	0	C032C29201	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-67	SB	REG	0	C032C29201	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-67	SB	REG	0	C032C29201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-67	SB	REG	0	C032C29201	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-67	SB	REG	0	C032C29201	EPA 8270-M	U	PHENANTHRENE	1.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-67	SB	REG	0	C032C29201	EPA 8270-M	U	PYRENE	2.8 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/25/2002
32FED-1A-67	SB	REG	0.5	C032C29301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	0.5	C032C29301	EPA 8270-M	U	ACENAPHTHENE	2.4 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	0.5	C032C29301	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	UJ	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	0.5	C032C29301	EPA 8270-M	U	ANTHRACENE	1.3 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	0.5	C032C29301	EPA 8270-M	U	BENZ(A)ANTHRACENE	62 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	0.5	C032C29301	EPA 8270-M	U	BENZO(A)PYRENE	120 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	0.5	C032C29301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	120 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	0.5	C032C29301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	96 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	0.5	C032C29301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	100 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	0.5	C032C29301	EPA 8270-M	U	CHRYSENE	88 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	0.5	C032C29301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	34 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	0.5	C032C29301	EPA 8270-M	U	FLUORANTHENE	40 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	0.5	C032C29301	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	0.5	C032C29301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	87 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	0.5	C032C29301	EPA 8270-M	U	NAPHTHALENE	2.5 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	0.5	C032C29301	EPA 8270-M	U	PHENANTHRENE	6 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-67	SB	REG	0.5	C032C29301	EPA 8270-M	U	PYRENE	50 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	2	C032C29401	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.6 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	2	C032C29401	EPA 8270-M	U	ACENAPHTHENE	13 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	2	C032C29401	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	UJ	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	2	C032C29401	EPA 8270-M	U	ANTHRACENE	10 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	2	C032C29401	EPA 8270-M	U	BENZ(A)ANTHRACENE	230 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	2	C032C29401	EPA 8270-M	U	BENZO(A)PYRENE	450 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	2	C032C29401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	500 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	2	C032C29401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	340 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	2	C032C29401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	270 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	2	C032C29401	EPA 8270-M	U	CHRYSENE	340 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	2	C032C29401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	110 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	2	C032C29401	EPA 8270-M	U	FLUORANTHENE	200 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	2	C032C29401	EPA 8270-M	U	FLUORENE	7.1 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	2	C032C29401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	320 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	2	C032C29401	EPA 8270-M	U	NAPHTHALENE	13 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	2	C032C29401	EPA 8270-M	U	PHENANTHRENE	49 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	2	C032C29401	EPA 8270-M	U	PYRENE	240 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	4	C032C29501	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	4	C032C29501	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	4	C032C29501	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	UJ	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	4	C032C29501	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	4	C032C29501	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	4	C032C29501	EPA 8270-M	U	BENZO(A)PYRENE	17 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	4	C032C29501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	17 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	4	C032C29501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	13 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	4	C032C29501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	14 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-67	SB	REG	4	C032C29501	EPA 8270-M	U	CHRYSENE	14 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	4	C032C29501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.7 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	4	C032C29501	EPA 8270-M	U	FLUORANTHENE	12 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	4	C032C29501	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	4	C032C29501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	12 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	4	C032C29501	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	4	C032C29501	EPA 8270-M	U	PHENANTHRENE	2.9 UG/KG	J	J	000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-67	SB	REG	4	C032C29501	EPA 8270-M	U	PYRENE	12 UG/KG			000 REG	5/22/2002	5/23/2002	5/24/2002
32FED-1A-68	SB	FD	4	C032C30001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	FD	4	C032C30001	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	FD	4	C032C30001	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	FD	4	C032C30001	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	FD	4	C032C30001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	FD	4	C032C30001	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	FD	4	C032C30001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	FD	4	C032C30001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	FD	4	C032C30001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	FD	4	C032C30001	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	FD	4	C032C30001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	FD	4	C032C30001	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	FD	4	C032C30001	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	FD	4	C032C30001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	FD	4	C032C30001	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	FD	4	C032C30001	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	FD	4	C032C30001	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0	C032C29601	EPA 8270-M	U	2-METHYLNAPHTHALENE	27 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0	C032C29601	EPA 8270-M	U	ACENAPHTHENE	27 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-68	SB	REG	0	C032C29601	EPA 8270-M	U	ACENAPHTHYLENE	27 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0	C032C29601	EPA 8270-M	U	ANTHRACENE	27 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0	C032C29601	EPA 8270-M	U	BENZ(A)ANTHRACENE	27 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0	C032C29601	EPA 8270-M	U	BENZO(A)PYRENE	27 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0	C032C29601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	27 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0	C032C29601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	35 UG/KG		J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0	C032C29601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	27 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0	C032C29601	EPA 8270-M	U	CHRYSENE	27 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0	C032C29601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	27 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0	C032C29601	EPA 8270-M	U	FLUORANTHENE	27 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0	C032C29601	EPA 8270-M	U	FLUORENE	27 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0	C032C29601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	27 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0	C032C29601	EPA 8270-M	U	NAPHTHALENE	27 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0	C032C29601	EPA 8270-M	U	PHENANTHRENE	27 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0	C032C29601	EPA 8270-M	U	PYRENE	27 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0.5	C032C29701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0.5	C032C29701	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0.5	C032C29701	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0.5	C032C29701	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0.5	C032C29701	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.44 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0.5	C032C29701	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0.5	C032C29701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0.5	C032C29701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.77 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0.5	C032C29701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0.5	C032C29701	EPA 8270-M	U	CHRYSENE	1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0.5	C032C29701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0.5	C032C29701	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-68	SB	REG	0.5	C032C29701	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0.5	C032C29701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.63 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0.5	C032C29701	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0.5	C032C29701	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	0.5	C032C29701	EPA 8270-M	U	PYRENE	0.44 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	2	C032C29801	EPA 8270-M	U	2-METHYLNAPHTHALENE	30 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	6/6/2002
32FED-1A-68	SB	REG	2	C032C29801	EPA 8270-M	U	ACENAPHTHENE	30 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	6/6/2002
32FED-1A-68	SB	REG	2	C032C29801	EPA 8270-M	U	ACENAPHTHYLENE	30 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	6/6/2002
32FED-1A-68	SB	REG	2	C032C29801	EPA 8270-M	U	ANTHRACENE	30 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	6/6/2002
32FED-1A-68	SB	REG	2	C032C29801	EPA 8270-M	U	BENZ(A)ANTHRACENE	30 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	6/6/2002
32FED-1A-68	SB	REG	2	C032C29801	EPA 8270-M	U	BENZO(A)PYRENE	30 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	6/6/2002
32FED-1A-68	SB	REG	2	C032C29801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	30 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	6/6/2002
32FED-1A-68	SB	REG	2	C032C29801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	10 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/6/2002
32FED-1A-68	SB	REG	2	C032C29801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	30 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	6/6/2002
32FED-1A-68	SB	REG	2	C032C29801	EPA 8270-M	U	CHRYSENE	30 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	6/6/2002
32FED-1A-68	SB	REG	2	C032C29801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	30 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	6/6/2002
32FED-1A-68	SB	REG	2	C032C29801	EPA 8270-M	U	FLUORANTHENE	30 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	6/6/2002
32FED-1A-68	SB	REG	2	C032C29801	EPA 8270-M	U	FLUORENE	30 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	6/6/2002
32FED-1A-68	SB	REG	2	C032C29801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	30 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	6/6/2002
32FED-1A-68	SB	REG	2	C032C29801	EPA 8270-M	U	NAPHTHALENE	30 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	6/6/2002
32FED-1A-68	SB	REG	2	C032C29801	EPA 8270-M	U	PHENANTHRENE	30 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	6/6/2002
32FED-1A-68	SB	REG	2	C032C29801	EPA 8270-M	U	PYRENE	30 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	6/6/2002
32FED-1A-68	SB	REG	4	C032C29901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	4	C032C29901	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	4	C032C29901	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	4	C032C29901	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	4	C032C29901	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.45 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-68	SB	REG	4	C032C29901	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	4	C032C29901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	4	C032C29901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.59 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	4	C032C29901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	4	C032C29901	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	4	C032C29901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	4	C032C29901	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	4	C032C29901	EPA 8270-M	U	FLUORENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	4	C032C29901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	4	C032C29901	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	4	C032C29901	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-68	SB	REG	4	C032C29901	EPA 8270-M	U	PYRENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-69	SB	REG	0	C032C30101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0	C032C30101	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0	C032C30101	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0	C032C30101	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0	C032C30101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0	C032C30101	EPA 8270-M	U	BENZO(A)PYRENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0	C032C30101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0	C032C30101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	32 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0	C032C30101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0	C032C30101	EPA 8270-M	U	CHRYSENE	2.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0	C032C30101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0	C032C30101	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0	C032C30101	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0	C032C30101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0	C032C30101	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-69	SB	REG	0	C032C30101	EPA 8270-M	U	PHENANTHRENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0	C032C30101	EPA 8270-M	U	PYRENE	5.4 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0.5	C032C30201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0.5	C032C30201	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0.5	C032C30201	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0.5	C032C30201	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0.5	C032C30201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0.5	C032C30201	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0.5	C032C30201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0.5	C032C30201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0.5	C032C30201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0.5	C032C30201	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0.5	C032C30201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0.5	C032C30201	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0.5	C032C30201	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0.5	C032C30201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0.5	C032C30201	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0.5	C032C30201	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	0.5	C032C30201	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	2	C032C30301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	2	C032C30301	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	2	C032C30301	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	2	C032C30301	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	2	C032C30301	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	2	C032C30301	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	2	C032C30301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	2	C032C30301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-69	SB	REG	2	C032C30301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	2	C032C30301	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	2	C032C30301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	2	C032C30301	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	2	C032C30301	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	2	C032C30301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	2	C032C30301	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	2	C032C30301	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	2	C032C30301	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	4	C032C30401	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	4	C032C30401	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	4	C032C30401	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	4	C032C30401	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	4	C032C30401	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	4	C032C30401	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	4	C032C30401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	4	C032C30401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	4	C032C30401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	4	C032C30401	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	4	C032C30401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	4	C032C30401	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	4	C032C30401	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	4	C032C30401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	4	C032C30401	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	4	C032C30401	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-69	SB	REG	4	C032C30401	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-7	SB	REG	0	C032C06301	EPA 8270-M	U	2-METHYLNAPHTHALENE	7.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-7	SB	REG	0	C032C06301	EPA 8270-M	U	ACENAPHTHENE	19 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-7	SB	REG	0	C032C06301	EPA 8270-M	U	ACENAPHTHYLENE	26 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-7	SB	REG	0	C032C06301	EPA 8270-M	U	ANTHRACENE	21 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-7	SB	REG	0	C032C06301	EPA 8270-M	U	BENZ(A)ANTHRACENE	26 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-7	SB	REG	0	C032C06301	EPA 8270-M	U	BENZO(A)PYRENE	12 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-7	SB	REG	0	C032C06301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	22 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-7	SB	REG	0	C032C06301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	34 UG/KG			000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-7	SB	REG	0	C032C06301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	26 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-7	SB	REG	0	C032C06301	EPA 8270-M	U	CHRYSENE	15 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-7	SB	REG	0	C032C06301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	26 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-7	SB	REG	0	C032C06301	EPA 8270-M	U	FLUORANTHENE	26 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-7	SB	REG	0	C032C06301	EPA 8270-M	U	FLUORENE	9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-7	SB	REG	0	C032C06301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	26 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-7	SB	REG	0	C032C06301	EPA 8270-M	U	NAPHTHALENE	26 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-7	SB	REG	0	C032C06301	EPA 8270-M	U	PHENANTHRENE	26 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-7	SB	REG	0	C032C06301	EPA 8270-M	U	PYRENE	26 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-7	SB	REG	0.5	C032C06401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	0.5	C032C06401	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	0.5	C032C06401	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	0.5	C032C06401	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	0.5	C032C06401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	0.5	C032C06401	EPA 8270-M	U	BENZO(A)PYRENE	1.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	0.5	C032C06401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	0.5	C032C06401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	0.5	C032C06401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	0.5	C032C06401	EPA 8270-M	U	CHRYSENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	0.5	C032C06401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-7	SB	REG	0.5	C032C06401	EPA 8270-M	U	FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	0.5	C032C06401	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	0.5	C032C06401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	0.5	C032C06401	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	0.5	C032C06401	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	0.5	C032C06401	EPA 8270-M	U	PYRENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	2	C032C06501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	2	C032C06501	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	2	C032C06501	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	2	C032C06501	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	2	C032C06501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	2	C032C06501	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	2	C032C06501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	2	C032C06501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	2	C032C06501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	2	C032C06501	EPA 8270-M	U	CHRYSENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	2	C032C06501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	2	C032C06501	EPA 8270-M	U	FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	2	C032C06501	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	2	C032C06501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	2	C032C06501	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	2	C032C06501	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	2	C032C06501	EPA 8270-M	U	PYRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	PYRENE	6.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/21/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	R	RA0 REG	5/20/2002	5/23/2002	5/24/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	R	RA0 REG	5/20/2002	5/23/2002	5/24/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	R	RA0 REG	5/20/2002	5/23/2002	5/24/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	R	RA0 REG	5/20/2002	5/23/2002	5/24/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	R	RA0 REG	5/20/2002	5/23/2002	5/24/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG	U	R	RA0 REG	5/20/2002	5/23/2002	5/24/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	U	R	RA0 REG	5/20/2002	5/23/2002	5/24/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.3 UG/KG	J	R	RA0 REG	5/20/2002	5/23/2002	5/24/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	R	RA0 REG	5/20/2002	5/23/2002	5/24/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	R	RA0 REG	5/20/2002	5/23/2002	5/24/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	R	RA0 REG	5/20/2002	5/23/2002	5/24/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	R	RA0 REG	5/20/2002	5/23/2002	5/24/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	R	RA0 REG	5/20/2002	5/23/2002	5/24/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.1 UG/KG	J	R	RA0 REG	5/20/2002	5/23/2002	5/24/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	R	RA0 REG	5/20/2002	5/23/2002	5/24/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	R	RA0 REG	5/20/2002	5/23/2002	5/24/2002
32FED-1A-7	SB	REG	4	C032C06601	EPA 8270-M	U	PYRENE	6.2 UG/KG	U	R	RA0 REG	5/20/2002	5/23/2002	5/24/2002
32FED-1A-70	SB	REG	0	C032C30501	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.37 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0	C032C30501	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0	C032C30501	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0	C032C30501	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0	C032C30501	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.87 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0	C032C30501	EPA 8270-M	U	BENZO(A)PYRENE	2 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0	C032C30501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0	C032C30501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.1 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0	C032C30501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0	C032C30501	EPA 8270-M	U	CHRYSENE	1.7 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0	C032C30501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0	C032C30501	EPA 8270-M	U	FLUORANTHENE	1 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0	C032C30501	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0	C032C30501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.4 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0	C032C30501	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0	C032C30501	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0	C032C30501	EPA 8270-M	U	PYRENE	1.7 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0.5	C032C30601	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0.5	C032C30601	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0.5	C032C30601	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0.5	C032C30601	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0.5	C032C30601	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0.5	C032C30601	EPA 8270-M	U	BENZO(A)PYRENE	1.1 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0.5	C032C30601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.71 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/30/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-70	SB	REG	0.5	C032C30601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.57 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0.5	C032C30601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.44 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0.5	C032C30601	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0.5	C032C30601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0.5	C032C30601	EPA 8270-M	U	FLUORANTHENE	0.5 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0.5	C032C30601	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0.5	C032C30601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.66 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0.5	C032C30601	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0.5	C032C30601	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	0.5	C032C30601	EPA 8270-M	U	PYRENE	0.68 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/30/2002
32FED-1A-70	SB	REG	2	C032C30701	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	2	C032C30701	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	2	C032C30701	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	2	C032C30701	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	2	C032C30701	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.52 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	2	C032C30701	EPA 8270-M	U	BENZO(A)PYRENE	2.1 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	2	C032C30701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.86 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	2	C032C30701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	JB	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	2	C032C30701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.91 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	2	C032C30701	EPA 8270-M	U	CHRYSENE	1 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	2	C032C30701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	2	C032C30701	EPA 8270-M	U	FLUORANTHENE	0.74 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	2	C032C30701	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	2	C032C30701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	JB	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	2	C032C30701	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	2	C032C30701	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	2	C032C30701	EPA 8270-M	U	PYRENE	0.92 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-70	SB	REG	4	C032C30801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	4	C032C30801	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	4	C032C30801	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	4	C032C30801	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	4	C032C30801	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	4	C032C30801	EPA 8270-M	U	BENZO(A)PYRENE	2.6 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	4	C032C30801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	4	C032C30801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	4	C032C30801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	4	C032C30801	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	UJ	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	4	C032C30801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	4	C032C30801	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	4	C032C30801	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	4	C032C30801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	4	C032C30801	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	4	C032C30801	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-70	SB	REG	4	C032C30801	EPA 8270-M	U	PYRENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	FD	0.5	C032C31101	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	FD	0.5	C032C31101	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	FD	0.5	C032C31101	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	FD	0.5	C032C31101	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	FD	0.5	C032C31101	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	FD	0.5	C032C31101	EPA 8270-M	U	BENZO(A)PYRENE	1.4 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	FD	0.5	C032C31101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	FD	0.5	C032C31101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	JB	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	FD	0.5	C032C31101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.38 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	FD	0.5	C032C31101	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	UJ	000 REG	5/24/2002	5/25/2002	5/28/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-71	SB	FD	0.5	C032C31101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	FD	0.5	C032C31101	EPA 8270-M	U	FLUORANTHENE	0.46 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	FD	0.5	C032C31101	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	FD	0.5	C032C31101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	FD	0.5	C032C31101	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	FD	0.5	C032C31101	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	FD	0.5	C032C31101	EPA 8270-M	U	PYRENE	0.85 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0	C032C30901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0	C032C30901	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0	C032C30901	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0	C032C30901	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0	C032C30901	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0	C032C30901	EPA 8270-M	U	BENZO(A)PYRENE	1 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0	C032C30901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0	C032C30901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0	C032C30901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.36 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0	C032C30901	EPA 8270-M	U	CHRYSENE	0.57 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0	C032C30901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0	C032C30901	EPA 8270-M	U	FLUORANTHENE	0.55 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0	C032C30901	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0	C032C30901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0	C032C30901	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0	C032C30901	EPA 8270-M	U	PHENANTHRENE	0.52 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0	C032C30901	EPA 8270-M	U	PYRENE	0.9 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0.5	C032C31001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0.5	C032C31001	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0.5	C032C31001	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-71	SB	REG	0.5	C032C31001	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0.5	C032C31001	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0.5	C032C31001	EPA 8270-M	U	BENZO(A)PYRENE	1.1 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0.5	C032C31001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0.5	C032C31001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0.5	C032C31001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0.5	C032C31001	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	UJ	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0.5	C032C31001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0.5	C032C31001	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0.5	C032C31001	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0.5	C032C31001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0.5	C032C31001	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0.5	C032C31001	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	0.5	C032C31001	EPA 8270-M	U	PYRENE	0.45 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	2	C032C31201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	2	C032C31201	EPA 8270-M	U	ACENAPHTHENE	6.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	2	C032C31201	EPA 8270-M	U	ACENAPHTHYLENE	6.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	2	C032C31201	EPA 8270-M	U	ANTHRACENE	6.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	2	C032C31201	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	2	C032C31201	EPA 8270-M	U	BENZO(A)PYRENE	1.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	2	C032C31201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	2	C032C31201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	2	C032C31201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	2	C032C31201	EPA 8270-M	U	CHRYSENE	6.3 UG/KG	U	UJ	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	2	C032C31201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	2	C032C31201	EPA 8270-M	U	FLUORANTHENE	6.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	2	C032C31201	EPA 8270-M	U	FLUORENE	6.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-71	SB	REG	2	C032C31201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	2	C032C31201	EPA 8270-M	U	NAPHTHALENE	6.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	2	C032C31201	EPA 8270-M	U	PHENANTHRENE	6.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	2	C032C31201	EPA 8270-M	U	PYRENE	6.3 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	4	C032C31301	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	4	C032C31301	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	4	C032C31301	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	4	C032C31301	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	4	C032C31301	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	4	C032C31301	EPA 8270-M	U	BENZO(A)PYRENE	0.88 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	4	C032C31301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	4	C032C31301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.2 UG/KG	JB	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	4	C032C31301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	4	C032C31301	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	UJ	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	4	C032C31301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	4	C032C31301	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	4	C032C31301	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	4	C032C31301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	4	C032C31301	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	4	C032C31301	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-71	SB	REG	4	C032C31301	EPA 8270-M	U	PYRENE	6.2 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32FED-1A-72	SB	REG	0	C032C31401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0	C032C31401	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0	C032C31401	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0	C032C31401	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0	C032C31401	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.46 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0	C032C31401	EPA 8270-M	U	BENZO(A)PYRENE	0.86 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-72	SB	REG	0	C032C31401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.58 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0	C032C31401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.4 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0	C032C31401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.76 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0	C032C31401	EPA 8270-M	U	CHRYSENE	1.1 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0	C032C31401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0	C032C31401	EPA 8270-M	U	FLUORANTHENE	1 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0	C032C31401	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0	C032C31401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.82 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0	C032C31401	EPA 8270-M	U	NAPHTHALENE	0.43 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0	C032C31401	EPA 8270-M	U	PHENANTHRENE	1.1 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0	C032C31401	EPA 8270-M	U	PYRENE	1.5 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0.5	C032C31501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0.5	C032C31501	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0.5	C032C31501	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0.5	C032C31501	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0.5	C032C31501	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.65 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0.5	C032C31501	EPA 8270-M	U	BENZO(A)PYRENE	1.5 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0.5	C032C31501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.65 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0.5	C032C31501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.9 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0.5	C032C31501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0.5	C032C31501	EPA 8270-M	U	CHRYSENE	0.91 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0.5	C032C31501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0.5	C032C31501	EPA 8270-M	U	FLUORANTHENE	1.1 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0.5	C032C31501	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0.5	C032C31501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.9 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0.5	C032C31501	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	0.5	C032C31501	EPA 8270-M	U	PHENANTHRENE	0.45 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-72	SB	REG	0.5	C032C31501	EPA 8270-M	U	PYRENE	1.7 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	2	C032C31601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	2	C032C31601	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	2	C032C31601	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	2	C032C31601	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	2	C032C31601	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.55 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	2	C032C31601	EPA 8270-M	U	BENZO(A)PYRENE	0.94 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	2	C032C31601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.82 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	2	C032C31601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.8 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	2	C032C31601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.49 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	2	C032C31601	EPA 8270-M	U	CHRYSENE	0.48 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	2	C032C31601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	2	C032C31601	EPA 8270-M	U	FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	2	C032C31601	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	2	C032C31601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.96 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	2	C032C31601	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	2	C032C31601	EPA 8270-M	U	PHENANTHRENE	0.59 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	2	C032C31601	EPA 8270-M	U	PYRENE	1.4 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	4	C032C31701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	4	C032C31701	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	4	C032C31701	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	4	C032C31701	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	4	C032C31701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	4	C032C31701	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	4	C032C31701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	4	C032C31701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.51 UG/KG	J	J	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	4	C032C31701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-72	SB	REG	4	C032C31701	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	4	C032C31701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	4	C032C31701	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	4	C032C31701	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	4	C032C31701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	4	C032C31701	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	4	C032C31701	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-72	SB	REG	4	C032C31701	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/19/2002	5/21/2002
32FED-1A-73	SB	FD	4	C032C32201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	FD	4	C032C32201	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	FD	4	C032C32201	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	FD	4	C032C32201	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	FD	4	C032C32201	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	FD	4	C032C32201	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	FD	4	C032C32201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	FD	4	C032C32201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	FD	4	C032C32201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	FD	4	C032C32201	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	FD	4	C032C32201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	FD	4	C032C32201	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	FD	4	C032C32201	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	FD	4	C032C32201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	FD	4	C032C32201	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	FD	4	C032C32201	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	FD	4	C032C32201	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0	C032C31801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0	C032C31801	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-73	SB	REG	0	C032C31801	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0	C032C31801	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0	C032C31801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0	C032C31801	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0	C032C31801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0	C032C31801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0	C032C31801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0	C032C31801	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0	C032C31801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0	C032C31801	EPA 8270-M	U	FLUORANTHENE	2.3 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0	C032C31801	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0	C032C31801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.93 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0	C032C31801	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0	C032C31801	EPA 8270-M	U	PHENANTHRENE	1.7 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0	C032C31801	EPA 8270-M	U	PYRENE	2.1 UG/KG	J	J	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0.5	C032C31901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0.5	C032C31901	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0.5	C032C31901	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0.5	C032C31901	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0.5	C032C31901	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0.5	C032C31901	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0.5	C032C31901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0.5	C032C31901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0.5	C032C31901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0.5	C032C31901	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0.5	C032C31901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0.5	C032C31901	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-73	SB	REG	0.5	C032C31901	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0.5	C032C31901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0.5	C032C31901	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0.5	C032C31901	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	0.5	C032C31901	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	2	C032C32001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	2	C032C32001	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	2	C032C32001	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	2	C032C32001	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	2	C032C32001	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	2	C032C32001	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	2	C032C32001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	2	C032C32001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	2	C032C32001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	2	C032C32001	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	2	C032C32001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	2	C032C32001	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	2	C032C32001	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	2	C032C32001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	2	C032C32001	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	2	C032C32001	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	2	C032C32001	EPA 8270-M	U	PYRENE	6.2 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	4	C032C32101	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	4	C032C32101	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	4	C032C32101	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	4	C032C32101	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	4	C032C32101	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-73	SB	REG	4	C032C32101	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	4	C032C32101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	4	C032C32101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	4	C032C32101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	4	C032C32101	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	4	C032C32101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	4	C032C32101	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	4	C032C32101	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	4	C032C32101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	4	C032C32101	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	4	C032C32101	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-73	SB	REG	4	C032C32101	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/16/2002	5/17/2002	5/18/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	2-METHYLNAPHTHALENE	100 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	ACENAPHTHENE	100 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	ACENAPHTHYLENE	38 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	ANTHRACENE	56 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	BENZ(A)ANTHRACENE	230 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	BENZO(A)PYRENE	480 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	430 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	360 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	460 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	CHRYSENE	560 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	160 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	FLUORANTHENE	290 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	FLUORENE	100 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	440 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	NAPHTHALENE	100 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	PHENANTHRENE	59 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	PYRENE	300 UG/KG		J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	2-METHYLNAPHTHALENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	ACENAPHTHENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	ACENAPHTHYLENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	ANTHRACENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	BENZ(A)ANTHRACENE	220 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	BENZO(A)PYRENE	390 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	370 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	230 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	530 UG/KG		R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	CHRYSENE	490 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	54 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	FLUORANTHENE	270 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	FLUORENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	330 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	NAPHTHALENE	510 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	PHENANTHRENE	50 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0	C032C32301	EPA 8270-M	U	PYRENE	300 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	2-METHYLNAPHTHALENE	29 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	ACENAPHTHENE	29 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	ACENAPHTHYLENE	29 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	ANTHRACENE	29 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	BENZ(A)ANTHRACENE	3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	BENZO(A)PYRENE	4.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	CHRYSENE	4.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	29 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	FLUORANTHENE	3.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	FLUORENE	29 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	NAPHTHALENE	29 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	PHENANTHRENE	29 UG/KG	U	UJ	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	PYRENE	4.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/22/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	2-METHYLNAPHTHALENE	58 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	ACENAPHTHENE	58 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	ACENAPHTHYLENE	58 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	ANTHRACENE	58 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.8 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	BENZO(A)PYRENE	6.3 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	58 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	11 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	CHRYSENE	5.1 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	58 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	FLUORENE	58 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	NAPHTHALENE	58 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	PHENANTHRENE	58 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	0.5	C032C32401	EPA 8270-M	U	PYRENE	8 UG/KG	J	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	2	C032C32501	EPA 8270-M	U	2-METHYLNAPHTHALENE	59 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-74	SB	REG	2	C032C32501	EPA 8270-M	U	ACENAPHTHENE	59 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	2	C032C32501	EPA 8270-M	U	ACENAPHTHYLENE	59 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	2	C032C32501	EPA 8270-M	U	ANTHRACENE	59 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	2	C032C32501	EPA 8270-M	U	BENZ(A)ANTHRACENE	33 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	2	C032C32501	EPA 8270-M	U	BENZO(A)PYRENE	56 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	2	C032C32501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	47 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	2	C032C32501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	37 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	2	C032C32501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	62 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	2	C032C32501	EPA 8270-M	U	CHRYSENE	63 UG/KG			000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	2	C032C32501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	8.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	2	C032C32501	EPA 8270-M	U	FLUORANTHENE	30 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	2	C032C32501	EPA 8270-M	U	FLUORENE	59 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	2	C032C32501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	40 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	2	C032C32501	EPA 8270-M	U	NAPHTHALENE	59 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	2	C032C32501	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	2	C032C32501	EPA 8270-M	U	PYRENE	42 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-74	SB	REG	4	C032C32601	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-74	SB	REG	4	C032C32601	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-74	SB	REG	4	C032C32601	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-74	SB	REG	4	C032C32601	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-74	SB	REG	4	C032C32601	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-74	SB	REG	4	C032C32601	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-74	SB	REG	4	C032C32601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-74	SB	REG	4	C032C32601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-74	SB	REG	4	C032C32601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-74	SB	REG	4	C032C32601	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-74	SB	REG	4	C032C32601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-74	SB	REG	4	C032C32601	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-74	SB	REG	4	C032C32601	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-74	SB	REG	4	C032C32601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-74	SB	REG	4	C032C32601	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-74	SB	REG	4	C032C32601	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-74	SB	REG	4	C032C32601	EPA 8270-M	U	PYRENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	2-METHYLNAPHTHALENE	17 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	ACENAPHTHENE	1.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	ACENAPHTHYLENE	1.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	ANTHRACENE	3.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.4 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	BENZO(A)PYRENE	8.8 UG/KG		R	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	13 UG/KG		R	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	67 UG/KG		R	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	R	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	CHRYSENE	34 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	12 UG/KG		R	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	FLUORANTHENE	7.3 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG		R	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	NAPHTHALENE	3.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	PHENANTHRENE	63 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	PYRENE	16 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	2-METHYLNAPHTHALENE	14 UG/KG	JD	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	ACENAPHTHENE	27 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	ACENAPHTHYLENE	27 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	ANTHRACENE	27 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	BENZ(A)ANTHRACENE	27 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	BENZO(A)PYRENE	27 UG/KG	U	U	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	13 UG/KG	JD	J	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	79 UG/KG	D		DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	27 UG/KG	U	U	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	CHRYSENE	33 UG/KG	D	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	12 UG/KG	JD	J	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	FLUORANTHENE	27 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	FLUORENE	27 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	JD	J	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	NAPHTHALENE	27 UG/KG	U	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	PHENANTHRENE	62 UG/KG	D	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-75	SB	REG	0	C032C32701	EPA 8270-M	U	PYRENE	16 UG/KG	JD	R	DL1 REG	5/14/2002	5/15/2002	5/17/2002
32FED-1A-75	SB	REG	0.5	C032C32801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0.5	C032C32801	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0.5	C032C32801	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0.5	C032C32801	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0.5	C032C32801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0.5	C032C32801	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0.5	C032C32801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0.5	C032C32801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	9.7 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0.5	C032C32801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0.5	C032C32801	EPA 8270-M	U	CHRYSENE	2.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0.5	C032C32801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0.5	C032C32801	EPA 8270-M	U	FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0.5	C032C32801	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0.5	C032C32801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.3 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-75	SB	REG	0.5	C032C32801	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0.5	C032C32801	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	0.5	C032C32801	EPA 8270-M	U	PYRENE	5.5 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	2	C032C32901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	2	C032C32901	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	2	C032C32901	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	2	C032C32901	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	2	C032C32901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	2	C032C32901	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	2	C032C32901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	2	C032C32901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.2 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	2	C032C32901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	2	C032C32901	EPA 8270-M	U	CHRYSENE	2.2 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	2	C032C32901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	2	C032C32901	EPA 8270-M	U	FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	2	C032C32901	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	2	C032C32901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.6 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	2	C032C32901	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	2	C032C32901	EPA 8270-M	U	PHENANTHRENE	2.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	2	C032C32901	EPA 8270-M	U	PYRENE	2.7 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	4	C032C33001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	4	C032C33001	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	4	C032C33001	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	4	C032C33001	EPA 8270-M	U	ANTHRACENE	2.8 UG/KG	J	J	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	4	C032C33001	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.7 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	4	C032C33001	EPA 8270-M	U	BENZO(A)PYRENE	13 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	4	C032C33001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.5 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-75	SB	REG	4	C032C33001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	11 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	4	C032C33001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	4	C032C33001	EPA 8270-M	U	CHRYSENE	9.6 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	4	C032C33001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	4	C032C33001	EPA 8270-M	U	FLUORANTHENE	25 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	4	C032C33001	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	4	C032C33001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	9 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	4	C032C33001	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	4	C032C33001	EPA 8270-M	U	PHENANTHRENE	16 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-75	SB	REG	4	C032C33001	EPA 8270-M	U	PYRENE	30 UG/KG			000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-76	SB	FD	0.5	C032C33301	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	FD	0.5	C032C33301	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	FD	0.5	C032C33301	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	FD	0.5	C032C33301	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	FD	0.5	C032C33301	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	FD	0.5	C032C33301	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	FD	0.5	C032C33301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	FD	0.5	C032C33301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	FD	0.5	C032C33301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	FD	0.5	C032C33301	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	FD	0.5	C032C33301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	FD	0.5	C032C33301	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	FD	0.5	C032C33301	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	FD	0.5	C032C33301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	FD	0.5	C032C33301	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	FD	0.5	C032C33301	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	FD	0.5	C032C33301	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-76	SB	REG	0	C032C33101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0	C032C33101	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0	C032C33101	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0	C032C33101	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0	C032C33101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0	C032C33101	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0	C032C33101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0	C032C33101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	18 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0	C032C33101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0	C032C33101	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0	C032C33101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0	C032C33101	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0	C032C33101	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0	C032C33101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0	C032C33101	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0	C032C33101	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0	C032C33101	EPA 8270-M	U	PYRENE	5.6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0.5	C032C33201	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0.5	C032C33201	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0.5	C032C33201	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0.5	C032C33201	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0.5	C032C33201	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0.5	C032C33201	EPA 8270-M	U	BENZO(A)PYRENE	4.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0.5	C032C33201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0.5	C032C33201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0.5	C032C33201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0.5	C032C33201	EPA 8270-M	U	CHRYSENE	2.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-76	SB	REG	0.5	C032C33201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0.5	C032C33201	EPA 8270-M	U	FLUORANTHENE	4.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0.5	C032C33201	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0.5	C032C33201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0.5	C032C33201	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0.5	C032C33201	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	0.5	C032C33201	EPA 8270-M	U	PYRENE	6.5 UG/KG			000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	2	C032C33401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	2	C032C33401	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	2	C032C33401	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	2	C032C33401	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	2	C032C33401	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	2	C032C33401	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	2	C032C33401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	2	C032C33401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	2	C032C33401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	2	C032C33401	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	2	C032C33401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	2	C032C33401	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	2	C032C33401	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	2	C032C33401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.71 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	2	C032C33401	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	2	C032C33401	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	2	C032C33401	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	4	C032C33501	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	4	C032C33501	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	4	C032C33501	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-76	SB	REG	4	C032C33501	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	4	C032C33501	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	4	C032C33501	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	4	C032C33501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	4	C032C33501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	4	C032C33501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	4	C032C33501	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	4	C032C33501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	4	C032C33501	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	4	C032C33501	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	4	C032C33501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	4	C032C33501	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	4	C032C33501	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-76	SB	REG	4	C032C33501	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/23/2002	5/24/2002	5/25/2002
32FED-1A-77	SB	REG	0	C032C33601	EPA 8270-M	U	2-METHYLNAPHTHALENE	19 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0	C032C33601	EPA 8270-M	U	ACENAPHTHENE	29 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0	C032C33601	EPA 8270-M	U	ACENAPHTHYLENE	29 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0	C032C33601	EPA 8270-M	U	ANTHRACENE	29 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0	C032C33601	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0	C032C33601	EPA 8270-M	U	BENZO(A)PYRENE	7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0	C032C33601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0	C032C33601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	24 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0	C032C33601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	11 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0	C032C33601	EPA 8270-M	U	CHRYSENE	40 UG/KG		J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0	C032C33601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9.2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0	C032C33601	EPA 8270-M	U	FLUORANTHENE	29 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0	C032C33601	EPA 8270-M	U	FLUORENE	29 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-77	SB	REG	0	C032C33601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	29 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0	C032C33601	EPA 8270-M	U	NAPHTHALENE	9.8 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0	C032C33601	EPA 8270-M	U	PHENANTHRENE	12 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0	C032C33601	EPA 8270-M	U	PYRENE	11 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0.5	C032C33701	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.95 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0.5	C032C33701	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0.5	C032C33701	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0.5	C032C33701	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0.5	C032C33701	EPA 8270-M	U	BENZ(A)ANTHRACENE	1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0.5	C032C33701	EPA 8270-M	U	BENZO(A)PYRENE	0.93 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0.5	C032C33701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0.5	C032C33701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.5 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0.5	C032C33701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.73 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0.5	C032C33701	EPA 8270-M	U	CHRYSENE	2.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0.5	C032C33701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0.5	C032C33701	EPA 8270-M	U	FLUORANTHENE	0.99 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0.5	C032C33701	EPA 8270-M	U	FLUORENE	6 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0.5	C032C33701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.93 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0.5	C032C33701	EPA 8270-M	U	NAPHTHALENE	0.71 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0.5	C032C33701	EPA 8270-M	U	PHENANTHRENE	1.3 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	0.5	C032C33701	EPA 8270-M	U	PYRENE	2 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	2	C032C33801	EPA 8270-M	U	2-METHYLNAPHTHALENE	70 UG/KG		J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	2	C032C33801	EPA 8270-M	U	ACENAPHTHENE	29 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	2	C032C33801	EPA 8270-M	U	ACENAPHTHYLENE	29 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	2	C032C33801	EPA 8270-M	U	ANTHRACENE	29 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	2	C032C33801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	2	C032C33801	EPA 8270-M	U	BENZO(A)PYRENE	7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-77	SB	REG	2	C032C33801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.9 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	2	C032C33801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	2	C032C33801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8.7 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	2	C032C33801	EPA 8270-M	U	CHRYSENE	31 UG/KG		J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	2	C032C33801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	2	C032C33801	EPA 8270-M	U	FLUORANTHENE	29 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	2	C032C33801	EPA 8270-M	U	FLUORENE	13 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	2	C032C33801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	29 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	2	C032C33801	EPA 8270-M	U	NAPHTHALENE	33 UG/KG		J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	2	C032C33801	EPA 8270-M	U	PHENANTHRENE	28 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	2	C032C33801	EPA 8270-M	U	PYRENE	6.4 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	4	C032C33901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	4	C032C33901	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	4	C032C33901	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	4	C032C33901	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	4	C032C33901	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.42 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	4	C032C33901	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	4	C032C33901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	4	C032C33901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.74 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	4	C032C33901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	4	C032C33901	EPA 8270-M	U	CHRYSENE	1 UG/KG	J	J	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	4	C032C33901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	4	C032C33901	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	4	C032C33901	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	4	C032C33901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	4	C032C33901	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-77	SB	REG	4	C032C33901	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-77	SB	REG	4	C032C33901	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	UJ	000 REG	5/23/2002	5/24/2002	6/4/2002
32FED-1A-78	SB	FD	4	C032C34401	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	FD	4	C032C34401	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	FD	4	C032C34401	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	FD	4	C032C34401	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	FD	4	C032C34401	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	FD	4	C032C34401	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	FD	4	C032C34401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	FD	4	C032C34401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	FD	4	C032C34401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	FD	4	C032C34401	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	FD	4	C032C34401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	FD	4	C032C34401	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	FD	4	C032C34401	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	FD	4	C032C34401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	FD	4	C032C34401	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	FD	4	C032C34401	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	FD	4	C032C34401	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0	C032C34001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0	C032C34001	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0	C032C34001	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0	C032C34001	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0	C032C34001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0	C032C34001	EPA 8270-M	U	BENZO(A)PYRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0	C032C34001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0	C032C34001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0	C032C34001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-78	SB	REG	0	C032C34001	EPA 8270-M	U	CHRYSENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0	C032C34001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0	C032C34001	EPA 8270-M	U	FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0	C032C34001	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0	C032C34001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0	C032C34001	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0	C032C34001	EPA 8270-M	U	PHENANTHRENE	5.3 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0	C032C34001	EPA 8270-M	U	PYRENE	5.3 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0.5	C032C34101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0.5	C032C34101	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0.5	C032C34101	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0.5	C032C34101	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0.5	C032C34101	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0.5	C032C34101	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0.5	C032C34101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0.5	C032C34101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0.5	C032C34101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0.5	C032C34101	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0.5	C032C34101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0.5	C032C34101	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0.5	C032C34101	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0.5	C032C34101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0.5	C032C34101	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0.5	C032C34101	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	0.5	C032C34101	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	2	C032C34201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	2	C032C34201	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-78	SB	REG	2	C032C34201	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	2	C032C34201	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	2	C032C34201	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	2	C032C34201	EPA 8270-M	U	BENZO(A)PYRENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	2	C032C34201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	2	C032C34201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	2	C032C34201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	2	C032C34201	EPA 8270-M	U	CHRYSENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	2	C032C34201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	2	C032C34201	EPA 8270-M	U	FLUORANTHENE	5.8 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	2	C032C34201	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	2	C032C34201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	2	C032C34201	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	2	C032C34201	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	2	C032C34201	EPA 8270-M	U	PYRENE	5.8 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	4	C032C34301	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	4	C032C34301	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	4	C032C34301	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	4	C032C34301	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	4	C032C34301	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	4	C032C34301	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	4	C032C34301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	4	C032C34301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	4	C032C34301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	4	C032C34301	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	4	C032C34301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	4	C032C34301	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-78	SB	REG	4	C032C34301	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	4	C032C34301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	4	C032C34301	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	4	C032C34301	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	UJ	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-78	SB	REG	4	C032C34301	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/17/2002	5/18/2002	5/19/2002
32FED-1A-79	SB	REG	0	C032C34501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0	C032C34501	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0	C032C34501	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0	C032C34501	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0	C032C34501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0	C032C34501	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0	C032C34501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0	C032C34501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0	C032C34501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0	C032C34501	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0	C032C34501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0	C032C34501	EPA 8270-M	U	FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0	C032C34501	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0	C032C34501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0	C032C34501	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0	C032C34501	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0	C032C34501	EPA 8270-M	U	PYRENE	5.7 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0.5	C032C34601	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0.5	C032C34601	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0.5	C032C34601	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0.5	C032C34601	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0.5	C032C34601	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-79	SB	REG	0.5	C032C34601	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0.5	C032C34601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0.5	C032C34601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0.5	C032C34601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0.5	C032C34601	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0.5	C032C34601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0.5	C032C34601	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0.5	C032C34601	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0.5	C032C34601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0.5	C032C34601	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0.5	C032C34601	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	0.5	C032C34601	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	2	C032C34701	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	2	C032C34701	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	2	C032C34701	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	2	C032C34701	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	2	C032C34701	EPA 8270-M	U	BENZ(A)ANTHRACENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	2	C032C34701	EPA 8270-M	U	BENZO(A)PYRENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	2	C032C34701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	2	C032C34701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	2	C032C34701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	2	C032C34701	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	2	C032C34701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	2	C032C34701	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	2	C032C34701	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	2	C032C34701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	2	C032C34701	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-79	SB	REG	2	C032C34701	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	2	C032C34701	EPA 8270-M	U	PYRENE	6 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	4	C032C34801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	4	C032C34801	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	4	C032C34801	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	4	C032C34801	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	4	C032C34801	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	4	C032C34801	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	4	C032C34801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	4	C032C34801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	4	C032C34801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	4	C032C34801	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	4	C032C34801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	4	C032C34801	EPA 8270-M	U	FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	4	C032C34801	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	4	C032C34801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	4	C032C34801	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	4	C032C34801	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-79	SB	REG	4	C032C34801	EPA 8270-M	U	PYRENE	6.2 UG/KG	U	U	000 REG	5/14/2002	5/15/2002	5/16/2002
32FED-1A-8	SB	FD	0.5	C032C06901	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	FD	0.5	C032C06901	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	FD	0.5	C032C06901	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	FD	0.5	C032C06901	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	FD	0.5	C032C06901	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	FD	0.5	C032C06901	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	FD	0.5	C032C06901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	FD	0.5	C032C06901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-8	SB	FD	0.5	C032C06901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	FD	0.5	C032C06901	EPA 8270-M	U	CHRYSENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	FD	0.5	C032C06901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	FD	0.5	C032C06901	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	FD	0.5	C032C06901	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	FD	0.5	C032C06901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	FD	0.5	C032C06901	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	FD	0.5	C032C06901	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	FD	0.5	C032C06901	EPA 8270-M	U	PYRENE	5.6 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0	C032C06701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0	C032C06701	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0	C032C06701	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0	C032C06701	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0	C032C06701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0	C032C06701	EPA 8270-M	U	BENZO(A)PYRENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0	C032C06701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0	C032C06701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0	C032C06701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0	C032C06701	EPA 8270-M	U	CHRYSENE	2.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0	C032C06701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0	C032C06701	EPA 8270-M	U	FLUORANTHENE	2.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0	C032C06701	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0	C032C06701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0	C032C06701	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0	C032C06701	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0	C032C06701	EPA 8270-M	U	PYRENE	2.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0.5	C032C06801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-8	SB	REG	0.5	C032C06801	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0.5	C032C06801	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0.5	C032C06801	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0.5	C032C06801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0.5	C032C06801	EPA 8270-M	U	BENZO(A)PYRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0.5	C032C06801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0.5	C032C06801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0.5	C032C06801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0.5	C032C06801	EPA 8270-M	U	CHRYSENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0.5	C032C06801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0.5	C032C06801	EPA 8270-M	U	FLUORANTHENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0.5	C032C06801	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0.5	C032C06801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0.5	C032C06801	EPA 8270-M	U	NAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0.5	C032C06801	EPA 8270-M	U	PHENANTHRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	0.5	C032C06801	EPA 8270-M	U	PYRENE	5.5 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	2	C032C07001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	2	C032C07001	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	2	C032C07001	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	2	C032C07001	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	2	C032C07001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	2	C032C07001	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	2	C032C07001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	2	C032C07001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	2	C032C07001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	2	C032C07001	EPA 8270-M	U	CHRYSENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	2	C032C07001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-8	SB	REG	2	C032C07001	EPA 8270-M	U	FLUORANTHENE	2.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	2	C032C07001	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	2	C032C07001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	2	C032C07001	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	2	C032C07001	EPA 8270-M	U	PHENANTHRENE	5.7 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	2	C032C07001	EPA 8270-M	U	PYRENE	1.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	4	C032C07101	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	4	C032C07101	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	4	C032C07101	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	4	C032C07101	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	4	C032C07101	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	4	C032C07101	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	4	C032C07101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	4	C032C07101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	4	C032C07101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	4	C032C07101	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	4	C032C07101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	4	C032C07101	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	4	C032C07101	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	4	C032C07101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	4	C032C07101	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	4	C032C07101	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-8	SB	REG	4	C032C07101	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	U	000 REG	5/20/2002	5/21/2002	5/22/2002
32FED-1A-9	SB	REG	0	C032C07201	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.62 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0	C032C07201	EPA 8270-M	U	ACENAPHTHENE	5.1 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0	C032C07201	EPA 8270-M	U	ACENAPHTHYLENE	5.1 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0	C032C07201	EPA 8270-M	U	ANTHRACENE	0.77 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-9	SB	REG	0	C032C07201	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0	C032C07201	EPA 8270-M	U	BENZO(A)PYRENE	8.8 UG/KG		J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0	C032C07201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	7.9 UG/KG		J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0	C032C07201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.6 UG/KG		J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0	C032C07201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG		J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0	C032C07201	EPA 8270-M	U	CHRYSENE	8.4 UG/KG		J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0	C032C07201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0	C032C07201	EPA 8270-M	U	FLUORANTHENE	8.5 UG/KG		J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0	C032C07201	EPA 8270-M	U	FLUORENE	5.1 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0	C032C07201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.5 UG/KG		J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0	C032C07201	EPA 8270-M	U	NAPHTHALENE	0.69 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0	C032C07201	EPA 8270-M	U	PHENANTHRENE	4.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0	C032C07201	EPA 8270-M	U	PYRENE	8.3 UG/KG		J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0.5	C032C07301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0.5	C032C07301	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0.5	C032C07301	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0.5	C032C07301	EPA 8270-M	U	ANTHRACENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0.5	C032C07301	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.79 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0.5	C032C07301	EPA 8270-M	U	BENZO(A)PYRENE	1.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0.5	C032C07301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.5 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0.5	C032C07301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0.5	C032C07301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0.5	C032C07301	EPA 8270-M	U	CHRYSENE	1.6 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0.5	C032C07301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.88 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0.5	C032C07301	EPA 8270-M	U	FLUORANTHENE	1.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0.5	C032C07301	EPA 8270-M	U	FLUORENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0.5	C032C07301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.8 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: FED1A TRANSFER PARCEL FED-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-9	SB	REG	0.5	C032C07301	EPA 8270-M	U	NAPHTHALENE	5.2 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0.5	C032C07301	EPA 8270-M	U	PHENANTHRENE	0.53 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	0.5	C032C07301	EPA 8270-M	U	PYRENE	1.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	2	C032C07401	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.4 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	2	C032C07401	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	2	C032C07401	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	2	C032C07401	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	2	C032C07401	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	2	C032C07401	EPA 8270-M	U	BENZO(A)PYRENE	2.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	2	C032C07401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	2	C032C07401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	2	C032C07401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	2	C032C07401	EPA 8270-M	U	CHRYSENE	2.3 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	2	C032C07401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.89 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	2	C032C07401	EPA 8270-M	U	FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	2	C032C07401	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	2	C032C07401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	2	C032C07401	EPA 8270-M	U	NAPHTHALENE	0.44 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	2	C032C07401	EPA 8270-M	U	PHENANTHRENE	1 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	2	C032C07401	EPA 8270-M	U	PYRENE	2 UG/KG	J	J	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	4	C032C07501	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	4	C032C07501	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	4	C032C07501	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	4	C032C07501	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	4	C032C07501	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	4	C032C07501	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	4	C032C07501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002

ANALYTICAL RESULTS --- CTO: C032

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32FED-1A-9	SB	REG	4	C032C07501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.1 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	4	C032C07501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	4	C032C07501	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	4	C032C07501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	4	C032C07501	EPA 8270-M	U	FLUORANTHENE	6.1 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	4	C032C07501	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	4	C032C07501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	4	C032C07501	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	4	C032C07501	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002
32FED-1A-9	SB	REG	4	C032C07501	EPA 8270-M	U	PYRENE	6.1 UG/KG	U	UJ	000 REG	5/20/2002	5/21/2002	5/23/2002

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Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
Pay Item : PAH'S USING METHOD 8270C WITH SIM														
32PBC-1A-1	SB	REG	0	C032C69701	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.3 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0	C032C69701	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0	C032C69701	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0	C032C69701	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0	C032C69701	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0	C032C69701	EPA 8270-M	U	BENZO(A)PYRENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0	C032C69701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0	C032C69701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	1.6 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0	C032C69701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0	C032C69701	EPA 8270-M	U	CHRYSENE	4.2 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0	C032C69701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0	C032C69701	EPA 8270-M	U	FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0	C032C69701	EPA 8270-M	U	FLUORENE	2.1 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0	C032C69701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0	C032C69701	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0	C032C69701	EPA 8270-M	U	PHENANTHRENE	3.6 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0	C032C69701	EPA 8270-M	U	PYRENE	2.1 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0.5	C032C69801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0.5	C032C69801	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0.5	C032C69801	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0.5	C032C69801	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0.5	C032C69801	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0.5	C032C69801	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0.5	C032C69801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0.5	C032C69801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0.5	C032C69801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002

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Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-1	SB	REG	0.5	C032C69801	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0.5	C032C69801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0.5	C032C69801	EPA 8270-M	U	FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0.5	C032C69801	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0.5	C032C69801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.89 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0.5	C032C69801	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0.5	C032C69801	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	0.5	C032C69801	EPA 8270-M	U	PYRENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	2	C032C69901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	2	C032C69901	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	2	C032C69901	EPA 8270-M	U	ACENAPHTHYLENE	1.7 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	2	C032C69901	EPA 8270-M	U	ANTHRACENE	3.5 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	2	C032C69901	EPA 8270-M	U	BENZ(A)ANTHRACENE	16 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	2	C032C69901	EPA 8270-M	U	BENZO(A)PYRENE	27 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	2	C032C69901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	15 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	2	C032C69901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	21 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	2	C032C69901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	16 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	2	C032C69901	EPA 8270-M	U	CHRYSENE	19 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	2	C032C69901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	2	C032C69901	EPA 8270-M	U	FLUORANTHENE	32 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	2	C032C69901	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	2	C032C69901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	20 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	2	C032C69901	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	2	C032C69901	EPA 8270-M	U	PHENANTHRENE	13 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	2	C032C69901	EPA 8270-M	U	PYRENE	46 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	4	C032C70001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	4	C032C70001	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002

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Facility: ALAMEDA

Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-1	SB	REG	4	C032C70001	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	4	C032C70001	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	4	C032C70001	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	4	C032C70001	EPA 8270-M	U	BENZO(A)PYRENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	4	C032C70001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	4	C032C70001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	4	C032C70001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	4	C032C70001	EPA 8270-M	U	CHRYSENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	4	C032C70001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	4	C032C70001	EPA 8270-M	U	FLUORANTHENE	2.4 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	4	C032C70001	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	4	C032C70001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.85 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	4	C032C70001	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	4	C032C70001	EPA 8270-M	U	PHENANTHRENE	1.8 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-1	SB	REG	4	C032C70001	EPA 8270-M	U	PYRENE	3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-10	SB	REG	0	C032C73601	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0	C032C73601	EPA 8270-M	U	ACENAPHTHENE	1.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0	C032C73601	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0	C032C73601	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0	C032C73601	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0	C032C73601	EPA 8270-M	U	BENZO(A)PYRENE	6.8 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0	C032C73601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0	C032C73601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	9.4 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0	C032C73601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0	C032C73601	EPA 8270-M	U	CHRYSENE	6.2 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0	C032C73601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	2.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0	C032C73601	EPA 8270-M	U	FLUORANTHENE	6.9 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-10	SB	REG	0	C032C73601	EPA 8270-M	U	FLUORENE	1.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0	C032C73601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0	C032C73601	EPA 8270-M	U	NAPHTHALENE	1.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0	C032C73601	EPA 8270-M	U	PHENANTHRENE	5.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0	C032C73601	EPA 8270-M	U	PYRENE	9.9 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0.5	C032C73701	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0.5	C032C73701	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0.5	C032C73701	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0.5	C032C73701	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0.5	C032C73701	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0.5	C032C73701	EPA 8270-M	U	BENZO(A)PYRENE	3.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0.5	C032C73701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0.5	C032C73701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0.5	C032C73701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0.5	C032C73701	EPA 8270-M	U	CHRYSENE	2.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0.5	C032C73701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0.5	C032C73701	EPA 8270-M	U	FLUORANTHENE	4.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0.5	C032C73701	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0.5	C032C73701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0.5	C032C73701	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0.5	C032C73701	EPA 8270-M	U	PHENANTHRENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	0.5	C032C73701	EPA 8270-M	U	PYRENE	6.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	2	C032C73801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	2	C032C73801	EPA 8270-M	U	ACENAPHTHENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	2	C032C73801	EPA 8270-M	U	ACENAPHTHYLENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	2	C032C73801	EPA 8270-M	U	ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	2	C032C73801	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002

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Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-10	SB	REG	2	C032C73801	EPA 8270-M	U	BENZO(A)PYRENE	3.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	2	C032C73801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	2.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	2	C032C73801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	2	C032C73801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	2	C032C73801	EPA 8270-M	U	CHRYSENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	2	C032C73801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	2	C032C73801	EPA 8270-M	U	FLUORANTHENE	2.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	2	C032C73801	EPA 8270-M	U	FLUORENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	2	C032C73801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	2	C032C73801	EPA 8270-M	U	NAPHTHALENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	2	C032C73801	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	2	C032C73801	EPA 8270-M	U	PYRENE	5.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	4	C032C73901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	4	C032C73901	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	4	C032C73901	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	4	C032C73901	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	4	C032C73901	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	4	C032C73901	EPA 8270-M	U	BENZO(A)PYRENE	8.8 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	4	C032C73901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	4	C032C73901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7.7 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	4	C032C73901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	4	C032C73901	EPA 8270-M	U	CHRYSENE	2.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	4	C032C73901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	4	C032C73901	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	4	C032C73901	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	4	C032C73901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	4	C032C73901	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-10	SB	REG	4	C032C73901	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-10	SB	REG	4	C032C73901	EPA 8270-M	U	PYRENE	15 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-2	SB	REG	0	C032C70101	EPA 8270-M	U	2-METHYLNAPHTHALENE	510 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32PBC-1A-2	SB	REG	0	C032C70101	EPA 8270-M	U	ACENAPHTHENE	510 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32PBC-1A-2	SB	REG	0	C032C70101	EPA 8270-M	U	ACENAPHTHYLENE	510 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32PBC-1A-2	SB	REG	0	C032C70101	EPA 8270-M	U	ANTHRACENE	510 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32PBC-1A-2	SB	REG	0	C032C70101	EPA 8270-M	U	BENZ(A)ANTHRACENE	510 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32PBC-1A-2	SB	REG	0	C032C70101	EPA 8270-M	U	BENZO(A)PYRENE	510 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32PBC-1A-2	SB	REG	0	C032C70101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	510 UG/KG	U	UJ	000 REG	5/24/2002	5/26/2002	5/30/2002
32PBC-1A-2	SB	REG	0	C032C70101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	510 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32PBC-1A-2	SB	REG	0	C032C70101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	510 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32PBC-1A-2	SB	REG	0	C032C70101	EPA 8270-M	U	CHRYSENE	510 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32PBC-1A-2	SB	REG	0	C032C70101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	510 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32PBC-1A-2	SB	REG	0	C032C70101	EPA 8270-M	U	FLUORANTHENE	510 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32PBC-1A-2	SB	REG	0	C032C70101	EPA 8270-M	U	FLUORENE	510 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32PBC-1A-2	SB	REG	0	C032C70101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	510 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32PBC-1A-2	SB	REG	0	C032C70101	EPA 8270-M	U	NAPHTHALENE	510 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32PBC-1A-2	SB	REG	0	C032C70101	EPA 8270-M	U	PHENANTHRENE	510 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32PBC-1A-2	SB	REG	0	C032C70101	EPA 8270-M	U	PYRENE	510 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/30/2002
32PBC-1A-2	SB	REG	0.5	C032C70201	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.63 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	0.5	C032C70201	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	0.5	C032C70201	EPA 8270-M	U	ACENAPHTHYLENE	1.1 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	0.5	C032C70201	EPA 8270-M	U	ANTHRACENE	1 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	0.5	C032C70201	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.8 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	0.5	C032C70201	EPA 8270-M	U	BENZO(A)PYRENE	17 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	0.5	C032C70201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	18 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	0.5	C032C70201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	17 UG/KG	B	J	000 REG	5/24/2002	5/25/2002	5/28/2002

ANALYTICAL RESULTS --- CTO: C032

Facility: ALAMEDA

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Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-2	SB	REG	0.5	C032C70201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	18 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	0.5	C032C70201	EPA 8270-M	U	CHRYSENE	60 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	0.5	C032C70201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.5 UG/KG	B	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	0.5	C032C70201	EPA 8270-M	U	FLUORANTHENE	2.7 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	0.5	C032C70201	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	0.5	C032C70201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.1 UG/KG	B	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	0.5	C032C70201	EPA 8270-M	U	NAPHTHALENE	0.41 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	0.5	C032C70201	EPA 8270-M	U	PHENANTHRENE	1.2 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	0.5	C032C70201	EPA 8270-M	U	PYRENE	16 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	2	C032C70301	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.95 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	2	C032C70301	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	2	C032C70301	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	2	C032C70301	EPA 8270-M	U	ANTHRACENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	2	C032C70301	EPA 8270-M	U	BENZ(A)ANTHRACENE	8.4 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	2	C032C70301	EPA 8270-M	U	BENZO(A)PYRENE	23 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	2	C032C70301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	18 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	2	C032C70301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	24 UG/KG	B	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	2	C032C70301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.7 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	2	C032C70301	EPA 8270-M	U	CHRYSENE	55 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	2	C032C70301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.8 UG/KG	B	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	2	C032C70301	EPA 8270-M	U	FLUORANTHENE	1.6 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	2	C032C70301	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	2	C032C70301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.4 UG/KG	B	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	2	C032C70301	EPA 8270-M	U	NAPHTHALENE	0.78 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	2	C032C70301	EPA 8270-M	U	PHENANTHRENE	2.3 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	2	C032C70301	EPA 8270-M	U	PYRENE	10 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	4	C032C70401	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.47 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-2	SB	REG	4	C032C70401	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	4	C032C70401	EPA 8270-M	U	ACENAPHTHYLENE	1.2 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	4	C032C70401	EPA 8270-M	U	ANTHRACENE	1.4 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	4	C032C70401	EPA 8270-M	U	BENZ(A)ANTHRACENE	15 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	4	C032C70401	EPA 8270-M	U	BENZO(A)PYRENE	40 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	4	C032C70401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	34 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	4	C032C70401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	19 UG/KG	B	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	4	C032C70401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	23 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	4	C032C70401	EPA 8270-M	U	CHRYSENE	20 UG/KG		J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	4	C032C70401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	JB	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	4	C032C70401	EPA 8270-M	U	FLUORANTHENE	27 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	4	C032C70401	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	4	C032C70401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	21 UG/KG	B	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	4	C032C70401	EPA 8270-M	U	NAPHTHALENE	1.9 UG/KG	J	J	000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	4	C032C70401	EPA 8270-M	U	PHENANTHRENE	5.9 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-2	SB	REG	4	C032C70401	EPA 8270-M	U	PYRENE	65 UG/KG			000 REG	5/24/2002	5/25/2002	5/28/2002
32PBC-1A-3	SB	FD	0.5	C032C70701	EPA 8270-M	U	2-METHYLNAPHTHALENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	FD	0.5	C032C70701	EPA 8270-M	U	ACENAPHTHENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	FD	0.5	C032C70701	EPA 8270-M	U	ACENAPHTHYLENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	FD	0.5	C032C70701	EPA 8270-M	U	ANTHRACENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	FD	0.5	C032C70701	EPA 8270-M	U	BENZ(A)ANTHRACENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	FD	0.5	C032C70701	EPA 8270-M	U	BENZO(A)PYRENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	FD	0.5	C032C70701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	550 UG/KG	U	UJ	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	FD	0.5	C032C70701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	FD	0.5	C032C70701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	FD	0.5	C032C70701	EPA 8270-M	U	CHRYSENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	FD	0.5	C032C70701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-3	SB	FD	0.5	C032C70701	EPA 8270-M	U	FLUORANTHENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	FD	0.5	C032C70701	EPA 8270-M	U	FLUORENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	FD	0.5	C032C70701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	FD	0.5	C032C70701	EPA 8270-M	U	NAPHTHALENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	FD	0.5	C032C70701	EPA 8270-M	U	PHENANTHRENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	FD	0.5	C032C70701	EPA 8270-M	U	PYRENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0	C032C70501	EPA 8270-M	U	2-METHYLNAPHTHALENE	530 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0	C032C70501	EPA 8270-M	U	ACENAPHTHENE	530 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0	C032C70501	EPA 8270-M	U	ACENAPHTHYLENE	530 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0	C032C70501	EPA 8270-M	U	ANTHRACENE	530 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0	C032C70501	EPA 8270-M	U	BENZ(A)ANTHRACENE	64 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0	C032C70501	EPA 8270-M	U	BENZO(A)PYRENE	530 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0	C032C70501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	530 UG/KG	U	UJ	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0	C032C70501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	530 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0	C032C70501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	530 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0	C032C70501	EPA 8270-M	U	CHRYSENE	220 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0	C032C70501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	530 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0	C032C70501	EPA 8270-M	U	FLUORANTHENE	32 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0	C032C70501	EPA 8270-M	U	FLUORENE	530 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0	C032C70501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	530 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0	C032C70501	EPA 8270-M	U	NAPHTHALENE	530 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0	C032C70501	EPA 8270-M	U	PHENANTHRENE	88 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0	C032C70501	EPA 8270-M	U	PYRENE	100 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0.5	C032C70601	EPA 8270-M	U	2-METHYLNAPHTHALENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0.5	C032C70601	EPA 8270-M	U	ACENAPHTHENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0.5	C032C70601	EPA 8270-M	U	ACENAPHTHYLENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0.5	C032C70601	EPA 8270-M	U	ANTHRACENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-3	SB	REG	0.5	C032C70601	EPA 8270-M	U	BENZ(A)ANTHRACENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0.5	C032C70601	EPA 8270-M	U	BENZO(A)PYRENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0.5	C032C70601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	550 UG/KG	U	UJ	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0.5	C032C70601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0.5	C032C70601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0.5	C032C70601	EPA 8270-M	U	CHRYSENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0.5	C032C70601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0.5	C032C70601	EPA 8270-M	U	FLUORANTHENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0.5	C032C70601	EPA 8270-M	U	FLUORENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0.5	C032C70601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0.5	C032C70601	EPA 8270-M	U	NAPHTHALENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0.5	C032C70601	EPA 8270-M	U	PHENANTHRENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	0.5	C032C70601	EPA 8270-M	U	PYRENE	550 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	2	C032C70801	EPA 8270-M	U	2-METHYLNAPHTHALENE	560 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	2	C032C70801	EPA 8270-M	U	ACENAPHTHENE	560 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	2	C032C70801	EPA 8270-M	U	ACENAPHTHYLENE	560 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	2	C032C70801	EPA 8270-M	U	ANTHRACENE	560 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	2	C032C70801	EPA 8270-M	U	BENZ(A)ANTHRACENE	560 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	2	C032C70801	EPA 8270-M	U	BENZO(A)PYRENE	560 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	2	C032C70801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	560 UG/KG	U	UJ	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	2	C032C70801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	560 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	2	C032C70801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	560 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	2	C032C70801	EPA 8270-M	U	CHRYSENE	43 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	2	C032C70801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	560 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	2	C032C70801	EPA 8270-M	U	FLUORANTHENE	560 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	2	C032C70801	EPA 8270-M	U	FLUORENE	560 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	2	C032C70801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	560 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-3	SB	REG	2	C032C70801	EPA 8270-M	U	NAPHTHALENE	560 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	2	C032C70801	EPA 8270-M	U	PHENANTHRENE	560 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	2	C032C70801	EPA 8270-M	U	PYRENE	560 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	4	C032C70901	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.51 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	4	C032C70901	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	4	C032C70901	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	4	C032C70901	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	4	C032C70901	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.6 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	4	C032C70901	EPA 8270-M	U	BENZO(A)PYRENE	8.8 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	4	C032C70901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.4 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	4	C032C70901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	7 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	4	C032C70901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	4	C032C70901	EPA 8270-M	U	CHRYSENE	3.3 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	4	C032C70901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.45 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	4	C032C70901	EPA 8270-M	U	FLUORANTHENE	7 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	4	C032C70901	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	4	C032C70901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6.5 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	4	C032C70901	EPA 8270-M	U	NAPHTHALENE	0.79 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	4	C032C70901	EPA 8270-M	U	PHENANTHRENE	1.7 UG/KG	J	J	000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-3	SB	REG	4	C032C70901	EPA 8270-M	U	PYRENE	12 UG/KG			000 REG	5/24/2002	5/26/2002	5/29/2002
32PBC-1A-4	SB	REG	0	C032C71001	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0	C032C71001	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0	C032C71001	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0	C032C71001	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0	C032C71001	EPA 8270-M	U	BENZ(A)ANTHRACENE	3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0	C032C71001	EPA 8270-M	U	BENZO(A)PYRENE	6.1 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0	C032C71001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-4	SB	REG	0	C032C71001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	9.5 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0	C032C71001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0	C032C71001	EPA 8270-M	U	CHRYSENE	4.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0	C032C71001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0	C032C71001	EPA 8270-M	U	FLUORANTHENE	2.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0	C032C71001	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0	C032C71001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0	C032C71001	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0	C032C71001	EPA 8270-M	U	PHENANTHRENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0	C032C71001	EPA 8270-M	U	PYRENE	3.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0.5	C032C71101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0.5	C032C71101	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0.5	C032C71101	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0.5	C032C71101	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0.5	C032C71101	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0.5	C032C71101	EPA 8270-M	U	BENZO(A)PYRENE	6.2 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0.5	C032C71101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	9.3 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0.5	C032C71101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	31 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0.5	C032C71101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0.5	C032C71101	EPA 8270-M	U	CHRYSENE	14 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0.5	C032C71101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.3 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0.5	C032C71101	EPA 8270-M	U	FLUORANTHENE	4.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0.5	C032C71101	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0.5	C032C71101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	9.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0.5	C032C71101	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0.5	C032C71101	EPA 8270-M	U	PHENANTHRENE	2.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	0.5	C032C71101	EPA 8270-M	U	PYRENE	7 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-4	SB	REG	2	C032C71201	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	2	C032C71201	EPA 8270-M	U	ACENAPHTHENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	2	C032C71201	EPA 8270-M	U	ACENAPHTHYLENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	2	C032C71201	EPA 8270-M	U	ANTHRACENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	2	C032C71201	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	2	C032C71201	EPA 8270-M	U	BENZO(A)PYRENE	7.4 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	2	C032C71201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.5 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	2	C032C71201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	15 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	2	C032C71201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	2	C032C71201	EPA 8270-M	U	CHRYSENE	7.9 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	2	C032C71201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	2	C032C71201	EPA 8270-M	U	FLUORANTHENE	7.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	2	C032C71201	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	2	C032C71201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.2 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	2	C032C71201	EPA 8270-M	U	NAPHTHALENE	5.8 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	2	C032C71201	EPA 8270-M	U	PHENANTHRENE	1.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	2	C032C71201	EPA 8270-M	U	PYRENE	11 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	4	C032C71301	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	4	C032C71301	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	4	C032C71301	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	4	C032C71301	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	4	C032C71301	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	4	C032C71301	EPA 8270-M	U	BENZO(A)PYRENE	4.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	4	C032C71301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	4	C032C71301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	5.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	4	C032C71301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	4	C032C71301	EPA 8270-M	U	CHRYSENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-4	SB	REG	4	C032C71301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	4	C032C71301	EPA 8270-M	U	FLUORANTHENE	3.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	4	C032C71301	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	4	C032C71301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	4	C032C71301	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	4	C032C71301	EPA 8270-M	U	PHENANTHRENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-4	SB	REG	4	C032C71301	EPA 8270-M	U	PYRENE	8.5 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-5	SB	FD	4	C032C71801	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	FD	4	C032C71801	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	FD	4	C032C71801	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	FD	4	C032C71801	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	FD	4	C032C71801	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	FD	4	C032C71801	EPA 8270-M	U	BENZO(A)PYRENE	2.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	FD	4	C032C71801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	FD	4	C032C71801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	FD	4	C032C71801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	FD	4	C032C71801	EPA 8270-M	U	CHRYSENE	1.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	FD	4	C032C71801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	FD	4	C032C71801	EPA 8270-M	U	FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	FD	4	C032C71801	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	FD	4	C032C71801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.97 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	FD	4	C032C71801	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	FD	4	C032C71801	EPA 8270-M	U	PHENANTHRENE	1.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	FD	4	C032C71801	EPA 8270-M	U	PYRENE	2.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	REG	0	C032C71401	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.39 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0	C032C71401	EPA 8270-M	U	ACENAPHTHENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0	C032C71401	EPA 8270-M	U	ACENAPHTHYLENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/7/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

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Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-5	SB	REG	0	C032C71401	EPA 8270-M	U	ANTHRACENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0	C032C71401	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.38 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0	C032C71401	EPA 8270-M	U	BENZO(A)PYRENE	0.75 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0	C032C71401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0	C032C71401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0	C032C71401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0	C032C71401	EPA 8270-M	U	CHRYSENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0	C032C71401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0	C032C71401	EPA 8270-M	U	FLUORANTHENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0	C032C71401	EPA 8270-M	U	FLUORENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0	C032C71401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0	C032C71401	EPA 8270-M	U	NAPHTHALENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0	C032C71401	EPA 8270-M	U	PHENANTHRENE	6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0	C032C71401	EPA 8270-M	U	PYRENE	0.44 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0.5	C032C71501	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.67 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0.5	C032C71501	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0.5	C032C71501	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0.5	C032C71501	EPA 8270-M	U	ANTHRACENE	0.88 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0.5	C032C71501	EPA 8270-M	U	BENZ(A)ANTHRACENE	5.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0.5	C032C71501	EPA 8270-M	U	BENZO(A)PYRENE	5.7 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0.5	C032C71501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0.5	C032C71501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	4.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0.5	C032C71501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.6 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0.5	C032C71501	EPA 8270-M	U	CHRYSENE	5.8 UG/KG			000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0.5	C032C71501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	1.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0.5	C032C71501	EPA 8270-M	U	FLUORANTHENE	7.5 UG/KG			000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0.5	C032C71501	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/7/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-5	SB	REG	0.5	C032C71501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	4.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0.5	C032C71501	EPA 8270-M	U	NAPHTHALENE	0.44 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0.5	C032C71501	EPA 8270-M	U	PHENANTHRENE	3.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	0.5	C032C71501	EPA 8270-M	U	PYRENE	8.4 UG/KG			000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	2	C032C71601	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.44 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	2	C032C71601	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	2	C032C71601	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	2	C032C71601	EPA 8270-M	U	ANTHRACENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	2	C032C71601	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	2	C032C71601	EPA 8270-M	U	BENZO(A)PYRENE	1.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	2	C032C71601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	2	C032C71601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	6.2 UG/KG			000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	2	C032C71601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	2.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	2	C032C71601	EPA 8270-M	U	CHRYSENE	1.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	2	C032C71601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.79 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	2	C032C71601	EPA 8270-M	U	FLUORANTHENE	2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	2	C032C71601	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	2	C032C71601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	1.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	2	C032C71601	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	2	C032C71601	EPA 8270-M	U	PHENANTHRENE	1.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	2	C032C71601	EPA 8270-M	U	PYRENE	2.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-5	SB	REG	4	C032C71701	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	REG	4	C032C71701	EPA 8270-M	U	ACENAPHTHENE	6.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	REG	4	C032C71701	EPA 8270-M	U	ACENAPHTHYLENE	6.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	REG	4	C032C71701	EPA 8270-M	U	ANTHRACENE	6.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	REG	4	C032C71701	EPA 8270-M	U	BENZ(A)ANTHRACENE	2.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	REG	4	C032C71701	EPA 8270-M	U	BENZO(A)PYRENE	4.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-5	SB	REG	4	C032C71701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	1.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	REG	4	C032C71701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	REG	4	C032C71701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	REG	4	C032C71701	EPA 8270-M	U	CHRYSENE	2.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	REG	4	C032C71701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	REG	4	C032C71701	EPA 8270-M	U	FLUORANTHENE	3.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	REG	4	C032C71701	EPA 8270-M	U	FLUORENE	6.3 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	REG	4	C032C71701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	3.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	REG	4	C032C71701	EPA 8270-M	U	NAPHTHALENE	0.42 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	REG	4	C032C71701	EPA 8270-M	U	PHENANTHRENE	1.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-5	SB	REG	4	C032C71701	EPA 8270-M	U	PYRENE	4.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	2-METHYLNAPHTHALENE	53 UG/KG	U	R	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	ACENAPHTHENE	53 UG/KG	U	R	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	ACENAPHTHYLENE	53 UG/KG	U	R	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	ANTHRACENE	53 UG/KG	U	R	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	BENZ(A)ANTHRACENE	26 UG/KG	J	R	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	BENZO(A)PYRENE	32 UG/KG	J	R	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	26 UG/KG	J	R	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	58 UG/KG		R	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	23 UG/KG	J	R	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	CHRYSENE	28 UG/KG	J	R	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	53 UG/KG	U	R	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	FLUORANTHENE	28 UG/KG	J	R	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	FLUORENE	53 UG/KG	U	R	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	13 UG/KG	J	R	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	NAPHTHALENE	53 UG/KG	U	R	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	PHENANTHRENE	13 UG/KG	J	R	000 REG	5/28/2002	5/29/2002	5/30/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	PYRENE	40 UG/KG	J	R	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	2-METHYLNAPHTHALENE	27 UG/KG	U	U	DL1 REG	5/28/2002	5/29/2002	6/5/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	ACENAPHTHENE	27 UG/KG	U	U	DL1 REG	5/28/2002	5/29/2002	6/5/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	ACENAPHTHYLENE	27 UG/KG	U	U	DL1 REG	5/28/2002	5/29/2002	6/5/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	ANTHRACENE	27 UG/KG	U	U	DL1 REG	5/28/2002	5/29/2002	6/5/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	BENZ(A)ANTHRACENE	19 UG/KG	J	J	DL1 REG	5/28/2002	5/29/2002	6/5/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	BENZO(A)PYRENE	30 UG/KG			DL1 REG	5/28/2002	5/29/2002	6/5/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	23 UG/KG	J	J	DL1 REG	5/28/2002	5/29/2002	6/5/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	50 UG/KG			DL1 REG	5/28/2002	5/29/2002	6/5/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	21 UG/KG	J	J	DL1 REG	5/28/2002	5/29/2002	6/5/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	CHRYSENE	28 UG/KG			DL1 REG	5/28/2002	5/29/2002	6/5/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	27 UG/KG	U	U	DL1 REG	5/28/2002	5/29/2002	6/5/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	FLUORANTHENE	29 UG/KG			DL1 REG	5/28/2002	5/29/2002	6/5/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	FLUORENE	27 UG/KG	U	U	DL1 REG	5/28/2002	5/29/2002	6/5/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	20 UG/KG	J	J	DL1 REG	5/28/2002	5/29/2002	6/5/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	NAPHTHALENE	27 UG/KG	U	U	DL1 REG	5/28/2002	5/29/2002	6/5/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	PHENANTHRENE	13 UG/KG	J	J	DL1 REG	5/28/2002	5/29/2002	6/5/2002
32PBC-1A-6	SB	REG	0	C032C71901	EPA 8270-M	U	PYRENE	41 UG/KG			DL1 REG	5/28/2002	5/29/2002	6/5/2002
32PBC-1A-6	SB	REG	0.5	C032C72001	EPA 8270-M	U	2-METHYLNAPHTHALENE	18 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0.5	C032C72001	EPA 8270-M	U	ACENAPHTHENE	22 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0.5	C032C72001	EPA 8270-M	U	ACENAPHTHYLENE	27 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0.5	C032C72001	EPA 8270-M	U	ANTHRACENE	27 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0.5	C032C72001	EPA 8270-M	U	BENZ(A)ANTHRACENE	22 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0.5	C032C72001	EPA 8270-M	U	BENZO(A)PYRENE	35 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0.5	C032C72001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	27 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0.5	C032C72001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	33 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0.5	C032C72001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	27 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002

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Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-6	SB	REG	0.5	C032C72001	EPA 8270-M	U	CHRYSENE	79 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0.5	C032C72001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	27 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0.5	C032C72001	EPA 8270-M	U	FLUORANTHENE	25 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0.5	C032C72001	EPA 8270-M	U	FLUORENE	35 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0.5	C032C72001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	7.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0.5	C032C72001	EPA 8270-M	U	NAPHTHALENE	4.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0.5	C032C72001	EPA 8270-M	U	PHENANTHRENE	19 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	0.5	C032C72001	EPA 8270-M	U	PYRENE	59 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	2	C032C72101	EPA 8270-M	U	2-METHYLNAPHTHALENE	7.4 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	2	C032C72101	EPA 8270-M	U	ACENAPHTHENE	9.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	2	C032C72101	EPA 8270-M	U	ACENAPHTHYLENE	1.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	2	C032C72101	EPA 8270-M	U	ANTHRACENE	12 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	2	C032C72101	EPA 8270-M	U	BENZ(A)ANTHRACENE	18 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	2	C032C72101	EPA 8270-M	U	BENZO(A)PYRENE	32 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	2	C032C72101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	34 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	2	C032C72101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	32 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	2	C032C72101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	19 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	2	C032C72101	EPA 8270-M	U	CHRYSENE	45 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	2	C032C72101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.5 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	2	C032C72101	EPA 8270-M	U	FLUORANTHENE	32 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	2	C032C72101	EPA 8270-M	U	FLUORENE	11 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	2	C032C72101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	11 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	2	C032C72101	EPA 8270-M	U	NAPHTHALENE	3.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	2	C032C72101	EPA 8270-M	U	PHENANTHRENE	17 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-6	SB	REG	2	C032C72101	EPA 8270-M	U	PYRENE	57 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	0	C032C72301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32PBC-1A-7	SB	REG	0	C032C72301	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-7	SB	REG	0	C032C72301	EPA 8270-M	U	ACENAPHTHYLENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32PBC-1A-7	SB	REG	0	C032C72301	EPA 8270-M	U	ANTHRACENE	2.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/31/2002
32PBC-1A-7	SB	REG	0	C032C72301	EPA 8270-M	U	BENZ(A)ANTHRACENE	11 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32PBC-1A-7	SB	REG	0	C032C72301	EPA 8270-M	U	BENZO(A)PYRENE	16 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32PBC-1A-7	SB	REG	0	C032C72301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	14 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32PBC-1A-7	SB	REG	0	C032C72301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	77 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32PBC-1A-7	SB	REG	0	C032C72301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	8.9 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32PBC-1A-7	SB	REG	0	C032C72301	EPA 8270-M	U	CHRYSENE	26 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32PBC-1A-7	SB	REG	0	C032C72301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.7 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32PBC-1A-7	SB	REG	0	C032C72301	EPA 8270-M	U	FLUORANTHENE	18 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32PBC-1A-7	SB	REG	0	C032C72301	EPA 8270-M	U	FLUORENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32PBC-1A-7	SB	REG	0	C032C72301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	12 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32PBC-1A-7	SB	REG	0	C032C72301	EPA 8270-M	U	NAPHTHALENE	5.4 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/31/2002
32PBC-1A-7	SB	REG	0	C032C72301	EPA 8270-M	U	PHENANTHRENE	9.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32PBC-1A-7	SB	REG	0	C032C72301	EPA 8270-M	U	PYRENE	21 UG/KG			000 REG	5/28/2002	5/29/2002	5/31/2002
32PBC-1A-7	SB	REG	0.5	C032C72401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	0.5	C032C72401	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	0.5	C032C72401	EPA 8270-M	U	ACENAPHTHYLENE	2.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	0.5	C032C72401	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	0.5	C032C72401	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	0.5	C032C72401	EPA 8270-M	U	BENZO(A)PYRENE	25 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	0.5	C032C72401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	17 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	0.5	C032C72401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	42 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	0.5	C032C72401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	9.4 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	0.5	C032C72401	EPA 8270-M	U	CHRYSENE	23 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	0.5	C032C72401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	0.5	C032C72401	EPA 8270-M	U	FLUORANTHENE	5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-7	SB	REG	0.5	C032C72401	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	0.5	C032C72401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	28 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	0.5	C032C72401	EPA 8270-M	U	NAPHTHALENE	2.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	0.5	C032C72401	EPA 8270-M	U	PHENANTHRENE	4.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	0.5	C032C72401	EPA 8270-M	U	PYRENE	9.1 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	2	C032C72501	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	2	C032C72501	EPA 8270-M	U	ACENAPHTHENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	2	C032C72501	EPA 8270-M	U	ACENAPHTHYLENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	2	C032C72501	EPA 8270-M	U	ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	2	C032C72501	EPA 8270-M	U	BENZ(A)ANTHRACENE	2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	2	C032C72501	EPA 8270-M	U	BENZO(A)PYRENE	3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	2	C032C72501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	3.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	2	C032C72501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	12 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	2	C032C72501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	2	C032C72501	EPA 8270-M	U	CHRYSENE	9.3 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	2	C032C72501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	2	C032C72501	EPA 8270-M	U	FLUORANTHENE	1.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	2	C032C72501	EPA 8270-M	U	FLUORENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	2	C032C72501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	2	C032C72501	EPA 8270-M	U	NAPHTHALENE	5.6 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	2	C032C72501	EPA 8270-M	U	PHENANTHRENE	2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	2	C032C72501	EPA 8270-M	U	PYRENE	3.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	4	C032C72601	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	4	C032C72601	EPA 8270-M	U	ACENAPHTHENE	4.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	4	C032C72601	EPA 8270-M	U	ACENAPHTHYLENE	7.2 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	4	C032C72601	EPA 8270-M	U	ANTHRACENE	12 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	4	C032C72601	EPA 8270-M	U	BENZ(A)ANTHRACENE	84 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002

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Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-7	SB	REG	4	C032C72601	EPA 8270-M	U	BENZO(A)PYRENE	170 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	4	C032C72601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	150 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	4	C032C72601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	260 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	4	C032C72601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	110 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	4	C032C72601	EPA 8270-M	U	CHRYSENE	120 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	4	C032C72601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	18 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	4	C032C72601	EPA 8270-M	U	FLUORANTHENE	160 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	4	C032C72601	EPA 8270-M	U	FLUORENE	2.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	4	C032C72601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	250 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	4	C032C72601	EPA 8270-M	U	NAPHTHALENE	16 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	4	C032C72601	EPA 8270-M	U	PHENANTHRENE	43 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-7	SB	REG	4	C032C72601	EPA 8270-M	U	PYRENE	240 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-8	SB	FD	0.5	C032C72901	EPA 8270-M	U	2-METHYLNAPHTHALENE	13 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	FD	0.5	C032C72901	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	FD	0.5	C032C72901	EPA 8270-M	U	ACENAPHTHYLENE	45 UG/KG			000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	FD	0.5	C032C72901	EPA 8270-M	U	ANTHRACENE	44 UG/KG			000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	FD	0.5	C032C72901	EPA 8270-M	U	BENZ(A)ANTHRACENE	110 UG/KG			000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	FD	0.5	C032C72901	EPA 8270-M	U	BENZO(A)PYRENE	110 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	FD	0.5	C032C72901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	110 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	FD	0.5	C032C72901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	110 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	FD	0.5	C032C72901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	170 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	FD	0.5	C032C72901	EPA 8270-M	U	CHRYSENE	170 UG/KG			000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	FD	0.5	C032C72901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	33 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	FD	0.5	C032C72901	EPA 8270-M	U	FLUORANTHENE	130 UG/KG			000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	FD	0.5	C032C72901	EPA 8270-M	U	FLUORENE	4.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	FD	0.5	C032C72901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	93 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	FD	0.5	C032C72901	EPA 8270-M	U	NAPHTHALENE	19 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-8	SB	FD	0.5	C032C72901	EPA 8270-M	U	PHENANTHRENE	85 UG/KG			000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	FD	0.5	C032C72901	EPA 8270-M	U	PYRENE	250 UG/KG			000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	REG	0	C032C72701	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.45 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	0	C032C72701	EPA 8270-M	U	ACENAPHTHENE	5.5 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	0	C032C72701	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	0	C032C72701	EPA 8270-M	U	ANTHRACENE	5.5 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	0	C032C72701	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.8 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	0	C032C72701	EPA 8270-M	U	BENZO(A)PYRENE	1.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	0	C032C72701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.83 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	0	C032C72701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	0	C032C72701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	1.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	0	C032C72701	EPA 8270-M	U	CHRYSENE	1.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	0	C032C72701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	0	C032C72701	EPA 8270-M	U	FLUORANTHENE	0.76 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	0	C032C72701	EPA 8270-M	U	FLUORENE	5.5 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	0	C032C72701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.82 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	0	C032C72701	EPA 8270-M	U	NAPHTHALENE	0.56 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	0	C032C72701	EPA 8270-M	U	PHENANTHRENE	0.52 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	0	C032C72701	EPA 8270-M	U	PYRENE	1.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	0.5	C032C72801	EPA 8270-M	U	2-METHYLNAPHTHALENE	13 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	REG	0.5	C032C72801	EPA 8270-M	U	ACENAPHTHENE	5.2 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	REG	0.5	C032C72801	EPA 8270-M	U	ACENAPHTHYLENE	46 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	REG	0.5	C032C72801	EPA 8270-M	U	ANTHRACENE	41 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	REG	0.5	C032C72801	EPA 8270-M	U	BENZ(A)ANTHRACENE	120 UG/KG			000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	REG	0.5	C032C72801	EPA 8270-M	U	BENZO(A)PYRENE	110 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	REG	0.5	C032C72801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	170 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	REG	0.5	C032C72801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	110 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-8	SB	REG	0.5	C032C72801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	120 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	REG	0.5	C032C72801	EPA 8270-M	U	CHRYSENE	170 UG/KG			000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	REG	0.5	C032C72801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	34 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	REG	0.5	C032C72801	EPA 8270-M	U	FLUORANTHENE	110 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	REG	0.5	C032C72801	EPA 8270-M	U	FLUORENE	5.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	REG	0.5	C032C72801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	92 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	REG	0.5	C032C72801	EPA 8270-M	U	NAPHTHALENE	20 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	REG	0.5	C032C72801	EPA 8270-M	U	PHENANTHRENE	57 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	REG	0.5	C032C72801	EPA 8270-M	U	PYRENE	220 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/7/2002
32PBC-1A-8	SB	REG	4	C032C73101	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	4	C032C73101	EPA 8270-M	U	ACENAPHTHENE	6.4 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	4	C032C73101	EPA 8270-M	U	ACENAPHTHYLENE	3.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	4	C032C73101	EPA 8270-M	U	ANTHRACENE	4.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	4	C032C73101	EPA 8270-M	U	BENZ(A)ANTHRACENE	14 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	4	C032C73101	EPA 8270-M	U	BENZO(A)PYRENE	16 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	4	C032C73101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	11 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	4	C032C73101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	16 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	4	C032C73101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	15 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	4	C032C73101	EPA 8270-M	U	CHRYSENE	23 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	4	C032C73101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	4	C032C73101	EPA 8270-M	U	FLUORANTHENE	17 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	4	C032C73101	EPA 8270-M	U	FLUORENE	6.4 UG/KG	U	UJ	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	4	C032C73101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	10 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	4	C032C73101	EPA 8270-M	U	NAPHTHALENE	3.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	4	C032C73101	EPA 8270-M	U	PHENANTHRENE	17 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-8	SB	REG	4	C032C73101	EPA 8270-M	U	PYRENE	32 UG/KG		J	000 REG	5/28/2002	5/29/2002	6/1/2002
32PBC-1A-9	SB	FD	4	C032C74001	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-9	SB	FD	4	C032C74001	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	FD	4	C032C74001	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	FD	4	C032C74001	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	FD	4	C032C74001	EPA 8270-M	U	BENZ(A)ANTHRACENE	4.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	FD	4	C032C74001	EPA 8270-M	U	BENZO(A)PYRENE	9.4 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	FD	4	C032C74001	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	FD	4	C032C74001	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	9.4 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	FD	4	C032C74001	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	FD	4	C032C74001	EPA 8270-M	U	CHRYSENE	4.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	FD	4	C032C74001	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	FD	4	C032C74001	EPA 8270-M	U	FLUORANTHENE	10 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	FD	4	C032C74001	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	FD	4	C032C74001	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	FD	4	C032C74001	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	FD	4	C032C74001	EPA 8270-M	U	PHENANTHRENE	3.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	FD	4	C032C74001	EPA 8270-M	U	PYRENE	16 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0	C032C73201	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0	C032C73201	EPA 8270-M	U	ACENAPHTHENE	1.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0	C032C73201	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0	C032C73201	EPA 8270-M	U	ANTHRACENE	3.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0	C032C73201	EPA 8270-M	U	BENZ(A)ANTHRACENE	18 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0	C032C73201	EPA 8270-M	U	BENZO(A)PYRENE	26 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0	C032C73201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	25 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0	C032C73201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	19 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0	C032C73201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	24 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0	C032C73201	EPA 8270-M	U	CHRYSENE	27 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0	C032C73201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.5 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-9	SB	REG	0	C032C73201	EPA 8270-M	U	FLUORANTHENE	33 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0	C032C73201	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0	C032C73201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	13 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0	C032C73201	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0	C032C73201	EPA 8270-M	U	PHENANTHRENE	18 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0	C032C73201	EPA 8270-M	U	PYRENE	38 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0.5	C032C73301	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0.5	C032C73301	EPA 8270-M	U	ACENAPHTHENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0.5	C032C73301	EPA 8270-M	U	ACENAPHTHYLENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0.5	C032C73301	EPA 8270-M	U	ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0.5	C032C73301	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0.5	C032C73301	EPA 8270-M	U	BENZO(A)PYRENE	4.2 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0.5	C032C73301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	4.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0.5	C032C73301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	3.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0.5	C032C73301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	3.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0.5	C032C73301	EPA 8270-M	U	CHRYSENE	4.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0.5	C032C73301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0.5	C032C73301	EPA 8270-M	U	FLUORANTHENE	5.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0.5	C032C73301	EPA 8270-M	U	FLUORENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0.5	C032C73301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	2.7 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0.5	C032C73301	EPA 8270-M	U	NAPHTHALENE	5.9 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0.5	C032C73301	EPA 8270-M	U	PHENANTHRENE	1.9 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	0.5	C032C73301	EPA 8270-M	U	PYRENE	6.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	2	C032C73401	EPA 8270-M	U	2-METHYLNAPHTHALENE	2.1 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	2	C032C73401	EPA 8270-M	U	ACENAPHTHENE	8.9 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	2	C032C73401	EPA 8270-M	U	ACENAPHTHYLENE	5.5 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	2	C032C73401	EPA 8270-M	U	ANTHRACENE	20 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002

ANALYTICAL RESULTS --- CTO: C032

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Site: PBC1A TRANSFER PARCEL PBC-1A

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-9	SB	REG	2	C032C73401	EPA 8270-M	U	BENZ(A)ANTHRACENE	57 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	2	C032C73401	EPA 8270-M	U	BENZO(A)PYRENE	44 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	2	C032C73401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	45 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	2	C032C73401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	22 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	2	C032C73401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	43 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	2	C032C73401	EPA 8270-M	U	CHRYSENE	58 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	2	C032C73401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	8.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	2	C032C73401	EPA 8270-M	U	FLUORANTHENE	120 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	2	C032C73401	EPA 8270-M	U	FLUORENE	9.5 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	2	C032C73401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	18 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	2	C032C73401	EPA 8270-M	U	NAPHTHALENE	4.4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	2	C032C73401	EPA 8270-M	U	PHENANTHRENE	120 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	2	C032C73401	EPA 8270-M	U	PYRENE	110 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	4	C032C73501	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	4	C032C73501	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	4	C032C73501	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	4	C032C73501	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	4	C032C73501	EPA 8270-M	U	BENZ(A)ANTHRACENE	3.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	4	C032C73501	EPA 8270-M	U	BENZO(A)PYRENE	7.9 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	4	C032C73501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	5.8 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	4	C032C73501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	8.6 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	4	C032C73501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	4.3 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	4	C032C73501	EPA 8270-M	U	CHRYSENE	4 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	4	C032C73501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	4	C032C73501	EPA 8270-M	U	FLUORANTHENE	8.8 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	4	C032C73501	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	4	C032C73501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.5 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-1A-9	SB	REG	4	C032C73501	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	U	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	4	C032C73501	EPA 8270-M	U	PHENANTHRENE	2.6 UG/KG	J	J	000 REG	5/28/2002	5/29/2002	5/30/2002
32PBC-1A-9	SB	REG	4	C032C73501	EPA 8270-M	U	PYRENE	14 UG/KG			000 REG	5/28/2002	5/29/2002	5/30/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: PBC3 TRANSFER PARCEL PBC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
Pay Item : PAH'S USING METHOD 8270C WITH SIM														
FQC	BW	ER		C032CR02301	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.25 UG/L	U	U	000 REG	6/2/2002	6/4/2002	6/4/2002
FQC	BW	ER		C032CR02301	EPA 8270-M	U	ACENAPHTHENE	0.25 UG/L	U	U	000 REG	6/2/2002	6/4/2002	6/4/2002
FQC	BW	ER		C032CR02301	EPA 8270-M	U	ACENAPHTHYLENE	0.25 UG/L	U	U	000 REG	6/2/2002	6/4/2002	6/4/2002
FQC	BW	ER		C032CR02301	EPA 8270-M	U	ANTHRACENE	0.25 UG/L	U	U	000 REG	6/2/2002	6/4/2002	6/4/2002
FQC	BW	ER		C032CR02301	EPA 8270-M	U	BENZ(A)ANTHRACENE	0.25 UG/L	U	U	000 REG	6/2/2002	6/4/2002	6/4/2002
FQC	BW	ER		C032CR02301	EPA 8270-M	U	BENZO(A)PYRENE	0.25 UG/L	U	U	000 REG	6/2/2002	6/4/2002	6/4/2002
FQC	BW	ER		C032CR02301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	0.25 UG/L	U	U	000 REG	6/2/2002	6/4/2002	6/4/2002
FQC	BW	ER		C032CR02301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	0.25 UG/L	U	U	000 REG	6/2/2002	6/4/2002	6/4/2002
FQC	BW	ER		C032CR02301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	0.25 UG/L	U	U	000 REG	6/2/2002	6/4/2002	6/4/2002
FQC	BW	ER		C032CR02301	EPA 8270-M	U	CHRYSENE	0.25 UG/L	U	U	000 REG	6/2/2002	6/4/2002	6/4/2002
FQC	BW	ER		C032CR02301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	0.25 UG/L	U	U	000 REG	6/2/2002	6/4/2002	6/4/2002
FQC	BW	ER		C032CR02301	EPA 8270-M	U	FLUORANTHENE	0.25 UG/L	U	U	000 REG	6/2/2002	6/4/2002	6/4/2002
FQC	BW	ER		C032CR02301	EPA 8270-M	U	FLUORENE	0.25 UG/L	U	U	000 REG	6/2/2002	6/4/2002	6/4/2002
FQC	BW	ER		C032CR02301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	0.25 UG/L	U	U	000 REG	6/2/2002	6/4/2002	6/4/2002
FQC	BW	ER		C032CR02301	EPA 8270-M	U	NAPHTHALENE	0.25 UG/L	U	U	000 REG	6/2/2002	6/4/2002	6/4/2002
FQC	BW	ER		C032CR02301	EPA 8270-M	U	PHENANTHRENE	0.25 UG/L	U	U	000 REG	6/2/2002	6/4/2002	6/4/2002
FQC	BW	ER		C032CR02301	EPA 8270-M	U	PYRENE	0.25 UG/L	U	U	000 REG	6/2/2002	6/4/2002	6/4/2002
Pay Item : PAH'S USING METHOD 8270C WITH SIM														
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	2-METHYLNAPHTHALENE	19 UG/KG		R	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	ACENAPHTHENE	3.3 UG/KG	J	R	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	ACENAPHTHYLENE	5.2 UG/KG	U	R	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	ANTHRACENE	2.7 UG/KG	J	R	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	BENZ(A)ANTHRACENE	9.4 UG/KG		R	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	BENZO(A)PYRENE	18 UG/KG		R	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	19 UG/KG		R	000 REG	6/2/2002	6/4/2002	6/4/2002

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Site: PBC3 TRANSFER PARCEL PBC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	20 UG/KG		R	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.6 UG/KG		R	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	CHRYSENE	16 UG/KG		R	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.2 UG/KG	J	R	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	FLUORANTHENE	21 UG/KG		R	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	FLUORENE	7.7 UG/KG		R	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	9.5 UG/KG		R	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	NAPHTHALENE	11 UG/KG		R	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	PHENANTHRENE	25 UG/KG		R	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	PYRENE	33 UG/KG		R	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	2-METHYLNAPHTHALENE	36 UG/KG			RA0 REG	6/2/2002	6/5/2002	6/5/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	ACENAPHTHENE	4.9 UG/KG	J	J	RA0 REG	6/2/2002	6/5/2002	6/5/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	ACENAPHTHYLENE	3 UG/KG	J	J	RA0 REG	6/2/2002	6/5/2002	6/5/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	ANTHRACENE	7.1 UG/KG			RA0 REG	6/2/2002	6/5/2002	6/5/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	BENZ(A)ANTHRACENE	19 UG/KG			RA0 REG	6/2/2002	6/5/2002	6/5/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	BENZO(A)PYRENE	33 UG/KG		J	RA0 REG	6/2/2002	6/5/2002	6/5/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	BENZO(B)FLUORANTHENE	42 UG/KG			RA0 REG	6/2/2002	6/5/2002	6/5/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	39 UG/KG			RA0 REG	6/2/2002	6/5/2002	6/5/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	BENZO(K)FLUORANTHENE	12 UG/KG		J	RA0 REG	6/2/2002	6/5/2002	6/5/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	CHRYSENE	34 UG/KG			RA0 REG	6/2/2002	6/5/2002	6/5/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	7.6 UG/KG			RA0 REG	6/2/2002	6/5/2002	6/5/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	FLUORANTHENE	35 UG/KG		J	RA0 REG	6/2/2002	6/5/2002	6/5/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	FLUORENE	16 UG/KG			RA0 REG	6/2/2002	6/5/2002	6/5/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	23 UG/KG			RA0 REG	6/2/2002	6/5/2002	6/5/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	NAPHTHALENE	22 UG/KG			RA0 REG	6/2/2002	6/5/2002	6/5/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	PHENANTHRENE	49 UG/KG			RA0 REG	6/2/2002	6/5/2002	6/5/2002
32PBC-3-1	SB	REG	0	C032C74101	EPA 8270-M	U	PYRENE	63 UG/KG		J	RA0 REG	6/2/2002	6/5/2002	6/5/2002

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Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-3-1	SB	REG	0.5	C032C74201	EPA 8270-M	U	2-METHYLNAPHTHALENE	2 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0.5	C032C74201	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0.5	C032C74201	EPA 8270-M	U	ACENAPHTHYLENE	1.8 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0.5	C032C74201	EPA 8270-M	U	ANTHRACENE	1.7 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0.5	C032C74201	EPA 8270-M	U	BENZ(A)ANTHRACENE	14 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0.5	C032C74201	EPA 8270-M	U	BENZO(A)PYRENE	26 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0.5	C032C74201	EPA 8270-M	U	BENZO(B)FLUORANTHENE	31 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0.5	C032C74201	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	21 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0.5	C032C74201	EPA 8270-M	U	BENZO(K)FLUORANTHENE	11 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0.5	C032C74201	EPA 8270-M	U	CHRYSENE	23 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0.5	C032C74201	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	3.4 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0.5	C032C74201	EPA 8270-M	U	FLUORANTHENE	31 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0.5	C032C74201	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0.5	C032C74201	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	12 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0.5	C032C74201	EPA 8270-M	U	NAPHTHALENE	2 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0.5	C032C74201	EPA 8270-M	U	PHENANTHRENE	13 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	0.5	C032C74201	EPA 8270-M	U	PYRENE	43 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	2	C032C74301	EPA 8270-M	U	2-METHYLNAPHTHALENE	32 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	2	C032C74301	EPA 8270-M	U	ACENAPHTHENE	5 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	2	C032C74301	EPA 8270-M	U	ACENAPHTHYLENE	2 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	2	C032C74301	EPA 8270-M	U	ANTHRACENE	4.6 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	2	C032C74301	EPA 8270-M	U	BENZ(A)ANTHRACENE	15 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	2	C032C74301	EPA 8270-M	U	BENZO(A)PYRENE	36 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	2	C032C74301	EPA 8270-M	U	BENZO(B)FLUORANTHENE	43 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	2	C032C74301	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	33 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	2	C032C74301	EPA 8270-M	U	BENZO(K)FLUORANTHENE	18 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	2	C032C74301	EPA 8270-M	U	CHRYSENE	37 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002

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Site: PBC3 TRANSFER PARCEL PBC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-3-1	SB	REG	2	C032C74301	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.8 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	2	C032C74301	EPA 8270-M	U	FLUORANTHENE	35 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	2	C032C74301	EPA 8270-M	U	FLUORENE	7.9 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	2	C032C74301	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	14 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	2	C032C74301	EPA 8270-M	U	NAPHTHALENE	15 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	2	C032C74301	EPA 8270-M	U	PHENANTHRENE	31 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-1	SB	REG	2	C032C74301	EPA 8270-M	U	PYRENE	78 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	FD	0.5	C032C74801	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.8 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	FD	0.5	C032C74801	EPA 8270-M	U	ACENAPHTHENE	1.6 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	FD	0.5	C032C74801	EPA 8270-M	U	ACENAPHTHYLENE	3.8 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	FD	0.5	C032C74801	EPA 8270-M	U	ANTHRACENE	2.6 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	FD	0.5	C032C74801	EPA 8270-M	U	BENZ(A)ANTHRACENE	24 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	FD	0.5	C032C74801	EPA 8270-M	U	BENZO(A)PYRENE	40 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	FD	0.5	C032C74801	EPA 8270-M	U	BENZO(B)FLUORANTHENE	32 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	FD	0.5	C032C74801	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	45 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	FD	0.5	C032C74801	EPA 8270-M	U	BENZO(K)FLUORANTHENE	27 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	FD	0.5	C032C74801	EPA 8270-M	U	CHRYSENE	29 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	FD	0.5	C032C74801	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	FD	0.5	C032C74801	EPA 8270-M	U	FLUORANTHENE	67 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	FD	0.5	C032C74801	EPA 8270-M	U	FLUORENE	5.8 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	FD	0.5	C032C74801	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	32 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	FD	0.5	C032C74801	EPA 8270-M	U	NAPHTHALENE	1.6 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	FD	0.5	C032C74801	EPA 8270-M	U	PHENANTHRENE	31 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	FD	0.5	C032C74801	EPA 8270-M	U	PYRENE	79 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0	C032C74501	EPA 8270-M	U	2-METHYLNAPHTHALENE	0.8 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0	C032C74501	EPA 8270-M	U	ACENAPHTHENE	5.3 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0	C032C74501	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002

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Site: PBC3 TRANSFER PARCEL PBC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		ResultType	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-3-2	SB	REG	0	C032C74501	EPA 8270-M	U	ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0	C032C74501	EPA 8270-M	U	BENZ(A)ANTHRACENE	1.8 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0	C032C74501	EPA 8270-M	U	BENZO(A)PYRENE	4 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0	C032C74501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	6.9 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0	C032C74501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	2.8 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0	C032C74501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	5.3 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0	C032C74501	EPA 8270-M	U	CHRYSENE	11 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0	C032C74501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	5.3 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0	C032C74501	EPA 8270-M	U	FLUORANTHENE	2.1 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0	C032C74501	EPA 8270-M	U	FLUORENE	5.3 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0	C032C74501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	5.3 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0	C032C74501	EPA 8270-M	U	NAPHTHALENE	5.3 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0	C032C74501	EPA 8270-M	U	PHENANTHRENE	3.6 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0	C032C74501	EPA 8270-M	U	PYRENE	6.3 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0.5	C032C74601	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.1 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0.5	C032C74601	EPA 8270-M	U	ACENAPHTHENE	4.5 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0.5	C032C74601	EPA 8270-M	U	ACENAPHTHYLENE	9.3 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0.5	C032C74601	EPA 8270-M	U	ANTHRACENE	8.1 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0.5	C032C74601	EPA 8270-M	U	BENZ(A)ANTHRACENE	57 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0.5	C032C74601	EPA 8270-M	U	BENZO(A)PYRENE	90 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0.5	C032C74601	EPA 8270-M	U	BENZO(B)FLUORANTHENE	70 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0.5	C032C74601	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	96 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0.5	C032C74601	EPA 8270-M	U	BENZO(K)FLUORANTHENE	60 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0.5	C032C74601	EPA 8270-M	U	CHRYSENE	70 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0.5	C032C74601	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	12 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0.5	C032C74601	EPA 8270-M	U	FLUORANTHENE	150 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0.5	C032C74601	EPA 8270-M	U	FLUORENE	3.5 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002

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Facility: ALAMEDA

Site: PBC3 TRANSFER PARCEL PBC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-3-2	SB	REG	0.5	C032C74601	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	68 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0.5	C032C74601	EPA 8270-M	U	NAPHTHALENE	4.7 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0.5	C032C74601	EPA 8270-M	U	PHENANTHRENE	80 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	0.5	C032C74601	EPA 8270-M	U	PYRENE	190 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	2	C032C74701	EPA 8270-M	U	2-METHYLNAPHTHALENE	4.1 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	2	C032C74701	EPA 8270-M	U	ACENAPHTHENE	6.4 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	2	C032C74701	EPA 8270-M	U	ACENAPHTHYLENE	11 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	2	C032C74701	EPA 8270-M	U	ANTHRACENE	8.2 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	2	C032C74701	EPA 8270-M	U	BENZ(A)ANTHRACENE	61 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	2	C032C74701	EPA 8270-M	U	BENZO(A)PYRENE	120 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	2	C032C74701	EPA 8270-M	U	BENZO(B)FLUORANTHENE	110 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	2	C032C74701	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	78 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	2	C032C74701	EPA 8270-M	U	BENZO(K)FLUORANTHENE	65 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	2	C032C74701	EPA 8270-M	U	CHRYSENE	110 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	2	C032C74701	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	13 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	2	C032C74701	EPA 8270-M	U	FLUORANTHENE	160 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	2	C032C74701	EPA 8270-M	U	FLUORENE	3.6 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	2	C032C74701	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	43 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	2	C032C74701	EPA 8270-M	U	NAPHTHALENE	7 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	2	C032C74701	EPA 8270-M	U	PHENANTHRENE	93 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-2	SB	REG	2	C032C74701	EPA 8270-M	U	PYRENE	210 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-3	SB	REG	0	C032C74901	EPA 8270-M	U	2-METHYLNAPHTHALENE	6.1 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-3	SB	REG	0	C032C74901	EPA 8270-M	U	ACENAPHTHENE	6.1 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-3	SB	REG	0	C032C74901	EPA 8270-M	U	ACENAPHTHYLENE	6.1 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-3	SB	REG	0	C032C74901	EPA 8270-M	U	ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-3	SB	REG	0	C032C74901	EPA 8270-M	U	BENZ(A)ANTHRACENE	6.1 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-3	SB	REG	0	C032C74901	EPA 8270-M	U	BENZO(A)PYRENE	11 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002

ANALYTICAL RESULTS --- CTO: C032

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Facility: ALAMEDA

Site: PBC3 TRANSFER PARCEL PBC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-3-3	SB	REG	0	C032C74901	EPA 8270-M	U	BENZO(B)FLUORANTHENE	8 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-3	SB	REG	0	C032C74901	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	11 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-3	SB	REG	0	C032C74901	EPA 8270-M	U	BENZO(K)FLUORANTHENE	6.7 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-3	SB	REG	0	C032C74901	EPA 8270-M	U	CHRYSENE	7.7 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-3	SB	REG	0	C032C74901	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	6.1 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-3	SB	REG	0	C032C74901	EPA 8270-M	U	FLUORANTHENE	15 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-3	SB	REG	0	C032C74901	EPA 8270-M	U	FLUORENE	6.1 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-3	SB	REG	0	C032C74901	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	8.1 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-3	SB	REG	0	C032C74901	EPA 8270-M	U	NAPHTHALENE	6.1 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-3	SB	REG	0	C032C74901	EPA 8270-M	U	PHENANTHRENE	7.5 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-3	SB	REG	0	C032C74901	EPA 8270-M	U	PYRENE	18 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0	C032C75401	EPA 8270-M	U	2-METHYLNAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0	C032C75401	EPA 8270-M	U	ACENAPHTHENE	5.7 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0	C032C75401	EPA 8270-M	U	ACENAPHTHYLENE	5.7 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0	C032C75401	EPA 8270-M	U	ANTHRACENE	1.7 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0	C032C75401	EPA 8270-M	U	BENZ(A)ANTHRACENE	10 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0	C032C75401	EPA 8270-M	U	BENZO(A)PYRENE	31 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0	C032C75401	EPA 8270-M	U	BENZO(B)FLUORANTHENE	23 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0	C032C75401	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	41 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0	C032C75401	EPA 8270-M	U	BENZO(K)FLUORANTHENE	18 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0	C032C75401	EPA 8270-M	U	CHRYSENE	16 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0	C032C75401	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	4.3 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0	C032C75401	EPA 8270-M	U	FLUORANTHENE	24 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0	C032C75401	EPA 8270-M	U	FLUORENE	5.7 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0	C032C75401	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	27 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0	C032C75401	EPA 8270-M	U	NAPHTHALENE	5.7 UG/KG	U	UJ	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0	C032C75401	EPA 8270-M	U	PHENANTHRENE	6.2 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002

ANALYTICAL RESULTS --- CTO: C032

Data retrieved from BEIDMS on 06-Aug-02 at 8:11 AM

Facility: ALAMEDA

Site: PBC3 TRANSFER PARCEL PBC-3

Station ID	Sample Information			Container ID	Method Code	Filter Code	Analyte Name	Results	Qualifiers		Result Type	Date Information		
	Matrix	Type	Top Depth						Lab	Val		Collect	Prepare	Analyze
32PBC-3-4	SB	REG	0	C032C75401	EPA 8270-M	U	PYRENE	48 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0.5	C032C75501	EPA 8270-M	U	2-METHYLNAPHTHALENE	1.1 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0.5	C032C75501	EPA 8270-M	U	ACENAPHTHENE	5.4 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0.5	C032C75501	EPA 8270-M	U	ACENAPHTHYLENE	5.3 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0.5	C032C75501	EPA 8270-M	U	ANTHRACENE	20 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0.5	C032C75501	EPA 8270-M	U	BENZ(A)ANTHRACENE	65 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0.5	C032C75501	EPA 8270-M	U	BENZO(A)PYRENE	89 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0.5	C032C75501	EPA 8270-M	U	BENZO(B)FLUORANTHENE	57 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0.5	C032C75501	EPA 8270-M	U	BENZO(G,H,I)PERYLENE	66 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0.5	C032C75501	EPA 8270-M	U	BENZO(K)FLUORANTHENE	55 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0.5	C032C75501	EPA 8270-M	U	CHRYSENE	66 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0.5	C032C75501	EPA 8270-M	U	DIBENZ(A,H)ANTHRACENE	9.4 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0.5	C032C75501	EPA 8270-M	U	FLUORANTHENE	150 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0.5	C032C75501	EPA 8270-M	U	FLUORENE	4.2 UG/KG	J	J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0.5	C032C75501	EPA 8270-M	U	INDENO(1,2,3-CD)PYRENE	50 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0.5	C032C75501	EPA 8270-M	U	NAPHTHALENE	7.2 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0.5	C032C75501	EPA 8270-M	U	PHENANTHRENE	53 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002
32PBC-3-4	SB	REG	0.5	C032C75501	EPA 8270-M	U	PYRENE	250 UG/KG		J	000 REG	6/2/2002	6/4/2002	6/4/2002

ATTACHMENT C2

BORING LOGS

(on CD)

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-1

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-29-02	05-29-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 475,108.0 E 1,472,723.5	10.7 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 3.7ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
		n.a.	n.r.	9.7	1		**Asphalt**. over road base.	FID Background = 1.25 ppm
C032C591 (0.0 - 0.5)				9.2				Hole backfilled with cement-bentonite grout after completion.
C032C592 (0.5 - 1.5)		n.a.	n.r.		2		**Sand (SP)**: with hydrocarbon staining, fine to medium grained sand, rounded, moist, polymictic, laminated. moderate hydrocarbon odor (FILL). at 2.0 ft.: Olive brown [2.5Y 4/4].	
		n.a.	n.r.		3			
C032C593 (2.0 - 4.0)					4			
					5			
		n.a.	n.r.		6			
C032C594 (4.0 - 8.0)					7		at 7.0 ft.: wet.	
					8			
				1.7	9			
							TOTAL DEPTH = 9.0 FEET	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-1

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:52:34 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-2

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-29-02	05-29-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 475,571.0 E 1,472,723.5	8.5 ft	8.1 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / 3.5ft	n.a.	Tim Mote	Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C595 (0.0 - 0.5)		n.a.	n.r.	8.4	0		**Asphalt.** **Sand (SP)**: with hydrocarbon staining, fine to medium grained sand, rounded, moist, polymictic. moderate hydrocarbon odor (FILL). at 0.5 ft.: Olive brown [2.5Y 4/4].	Hole backfilled with cement-bentonite grout after completion.
C032C596 (0.5 - 2.0)		n.a.	n.r.		1			
		n.a.	n.r.		2			
C032C597 (2.0 - 4.0)					3			
					4			
		n.a.	n.r.		5		at 5.0 ft.: wet.	
C032C598 (4.0 - 8.0)					6			
					7			
				0.4	8		**TOTAL DEPTH = 8.1 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-2

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:53:34 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-3

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-29-02	05-29-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push		N 475,107.9 E 1,473,186.5	9.5 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 3.5ft	n.a.	Tim Mote	Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				8.5	1		**Asphalt**. over road base.	
C032C599 (0.0 - 0.5)		n.a.	n.r.	8.0	2		**Sand (SP)**: with hydrocarbon staining, fine to medium grained sand, rounded, moist, polymictic. moderate hydrocarbon odor (FILL). at 2.0 ft.: Olive brown [2.5Y 4/4].	Hole backfilled with cement-bentonite grout after completion.
C032C601 (0.5 - 1.5) C032C600 (0.5 - 1.5)		n.a.	n.r.		3			
		n.a.	n.r.		4			
C032C602 (2.0 - 4.0)					5			
		n.a.	n.r.		6		at 6.0 ft.: wet.	
C032C603 (4.0 - 8.0)				2.5	7		**Clay (CL)**: Very dark gray [2.5Y 3/1], (BAY MUD).	
				0.5	8			
					9		**TOTAL DEPTH = 9.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-3

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:53:56 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-4

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-29-02	05-29-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 475,571.0 E 1,473,186.6	7.0 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 4.5 ft / 2.5ft	n.a.	Tim Mote / Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C604 (0.0 - 0.5)		n.a.	n.r.	6.9	0		**Topsoil.**	
C032C605 (0.5 - 2.0)		n.a.	n.r.		1		**Sand (SP)**: Dark olive brown [2.5Y 3/3], fine to medium grained sand, rounded, moist, polymictic. moderate hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2		at 2.0 ft.: Olive brown [2.5Y 4/4].	
C032C606 (2.0 - 4.0)					3			
					4			
		n.a.	n.r.		5		at 4.5 ft.: wet. at 4.6 ft.: Dark gray [2.5Y 4/1].	
C032C607 (4.0 - 8.0)					6			
					7			
				-1.0	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST
CATHIE L. STUMPENHAUS
No. 4451
5-29-2/29/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-4

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:54:02 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-5

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-29-02	05-29-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 476,034.9 E 1,473,189.1	7.3 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / 2.3ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C608 (0.0 - 0.5)		n.a.	n.r.	6.8	0		**Topsoil**.	
C032C609 (0.5 - 2.0)		n.a.	n.r.		1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, rounded, moist, some shell fragments, polymictic. no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2			
C032C610 (2.0 - 4.0)					3			
					4			
		n.a.	n.r.		5		at 5.0 ft.: wet.	
C032C612 (4.0 - 8.0) C032C611 (4.0 - 8.0)					6			
					7		at 7.0 ft.: Very dark gray [2.5Y 3/1].	
				-0.7	8		**TOTAL DEPTH = 8.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-5

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:54:08 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-6

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-29-02	05-29-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 476,496.4 E 1,473,188.5	7.2 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 5.0 ft / 2.2ft ▼	n.a.	Tim Mote / Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C613 (0.0 - 0.5)		n.a.	n.r.	6.7			**Topsoil**.	
					1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, rounded, dry, some shell fragments, polymictic. (FILL). at 1.0 ft.: moist.	Hole backfilled with cement-bentonite grout after completion.
C032C614 (0.5 - 2.0)		n.a.	n.r.		2			
		n.a.	n.r.					
C032C615 (2.0 - 4.0)					3			
					4		at 4.5 ft.: Very dark gray [2.5Y 3/1], medium to coarse grained sand, strong hydrocarbon odor.	
		n.a.	n.r.	2.2	5		**Clay (CL)**: Very dark gray [2.5Y 3/1], wet, (BAY MUD).	
C032C616 (4.0 - 8.0)					6			
					7			
				-0.8	8		**TOTAL DEPTH = 8.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-6

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:54:13 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-7

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-28-02	05-28-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 475,108.0 E 1,473,649.6	9.6 ft	11.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / 4.6ft	n.a.	Tim Mote	Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
		n.a.	n.r.	8.6	1		**Asphalt**: over road base.	PID Background = 0.9 ppm
		n.a.	n.r.		2			Hole backfilled with cement-bentonite grout after completion.
C032C617 (0.0 - 0.5)		n.a.	n.r.	6.6	3		**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, rounded, moist, polymictic. (FILL).	
C032C618 (0.5 - 2.0)					4			
					5		at 5.0 ft.: wet.	
C032C619 (2.0 - 4.0)		n.a.	n.r.		6			
					7			
					8			
C032C620 (4.0 - 8.0)		n.a.	n.r.		9			
					10		at 10.0 ft.: Dark gray [2.5Y 4/1].	
				-1.4	11		**TOTAL DEPTH = 11.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L STUMPENHAUST · No. 4451 · Exp. 3/24/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-7

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:54:18 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-8

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-28-02	05-28-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 475,571.0 E 1,473,649.6	6.3 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / 1.3ft	n.a.	Tim Mote	Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C621 (0.0 - 0.5)		n.a.	n.r.	5.8	0		**Topsoil**.	PID Background – 0.75 ppm
					1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, moist, polymictic. moderate hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C623 (0.5 - 2.0) C032C622 (0.5 - 2.0)		n.a.	n.r.		2		at 2.0 ft.: no hydrocarbon odor.	
		n.a.	n.r.					
C032C624 (2.0 - 4.0)					3			
					4			
		n.a.	n.r.		5		at 5.0 ft.: wet.	
C032C625 (4.0 - 8.0)					6			
					7		at 7.5 ft.: Dark gray [2.5Y 4/1].	
				-1.7	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-8

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:54:25 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-9

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-28-02	05-28-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 476,034.1 E 1,473,649.6	7.5 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 5.0 ft / 2.5ft	n.a.	Tim Mote / Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
		n.a.	n.r.	7.0	0		**Asphalt**.	FID Background = 2.2 ppm
C032C626 (0.0 - 0.5)					1		**Sand (SP)**: Dark gray [2.5Y 4/1], fine to medium grained sand, rounded, moist, polymictic. (FILL). at 1.0 ft.: Olive brown [2.5Y 4/4]	Hole backfilled with cement-bentonite grout after completion.
C032C627 (0.5 - 1.5)		n.a.	n.r.		2			
		n.a.	n.r.					
C032C628 (2.0 - 4.0)					3		at 3.0 ft.: some shell fragments.	
					4			
		n.a.	n.r.		5		at 5.0 ft.: wet.	
C032C629 (4.0 - 8.0)					6		at 6.0 ft.: Dark gray [2.5Y 4/1], fine to coarse grained sand.	
					7			
				-0.5	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-9

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:54:31 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-10

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-28-02	05-28-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 476,496.9 E 1,473,649.5	7.7 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / 2.7ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C630 (0.0 - 0.5)		n.a.	n.r.		0		**Sand (SP)**: dark brown with hydrocarbon staining, (FILL).	FID Background – 2.2 ppm
C032C631 (0.5 - 2.0)		n.a.	n.r.		1		at 0.5 ft.: Dark gray [2.5Y 4/1], medium to coarse grained sand, rounded, moist, with asphalt pieces, some shell fragments, polymictic. strong hydrocarbon odor.	Hole backfilled with cement-bentonite grout after completion.
		n.a.	>20		2			
C032C632 (2.0 - 4.0)					3			
					4			
		n.a.	n.r.		5		at 5.0 ft.: wet, product sheen on water.	
C032C634 (4.0 - 8.0) C032C633 (4.0 - 8.0)					6			
					7			
				-0.3	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-10

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:52:40 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-11

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-28-02	05-28-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 475,107.9 E 1,474,112.5	8.9 ft	12.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 9.0 ft / -0.1ft	n.a.	Tim Mote	Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
		n.a.	n.r.	7.9	1		**Asphalt**: over road base.	PID Background = 2.2 ppm
		n.a.	n.r.		2			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.	5.9	3		**Sand (SP)**: Very dark brown [10YR 2/2] hydrocarbon staining, fine to medium grained sand, rounded, moist, polymictic. (FILL).	
C032C635 (0.0 - 0.5)					4		at 3.5 ft.: Olive brown [2.5Y 4/4].	
C032C636 (0.5 - 2.0)					5			
C032C637 (2.0 - 4.0)		n.a.	n.r.		6			
					7			
					8		at 8.5 ft.: 2-inch thick clayey sand layer.	
C032C638 (4.0 - 8.0)		n.a.	n.r.		9		at 9.0 ft.: wet.	
					10			
					11			
				-3.1	12		**TOTAL DEPTH = 12.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · exp 4/29/07 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-11

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:52:46 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-12

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-28-02	05-28-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 475,572.0 E 1,474,116.8	6.0 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / 1.0ft	n.a.	Tim Mote	Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C639 (0.0 - 0.5)		n.a.	n.r.	5.5	0		**Topsoil**.	FID Background = 0.8 ppm
					1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, rounded, moist, polymictic. (FILL).	
C032C640 (0.5 - 2.0)		n.a.	n.r.		2			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		3			
C032C641 (2.0 - 4.0)					4			
					5		at 4.5 ft.: Dark gray [2.5Y 4/1], some shell fragments.	
		n.a.	n.r.		6		at 5.0 ft.: wet.	
C032C642 (4.0 - 8.0)					7			
				-2.0	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST
CATHIE L. STUMPENHAUS
No. 4451
4/29/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-12

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:52:52 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-13

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-28-02	05-28-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 476,038.1 E 1,474,105.8	6.5 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.5 ft / 2.0ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C643 (0.0 - 0.5)		n.a.	n.r.	6.0	0		**Topsoil**.	FID Background = 1.2 ppm
C032C645 (0.5 - 2.0)					1		**Sand (SP)**: Dark olive brown [2.5Y 3/3], fine to medium grained sand, rounded, moist, polymictic, some shell fragments, hydrocarbon stained clasts, slight hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C644 (0.5 - 2.0)		n.a.	n.r.		2			
		n.a.	n.r.					
C032C646 (2.0 - 4.0)					3			
					4			
		n.a.	n.r.		5		at 4.5 ft.: wet.	
C032C647 (4.0 - 8.0)					6		at 5.5 ft.: Dark gray [2.5Y 4/1], medium grained sand.	
					7			
				-1.5	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-13

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:52:57 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-14

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-28-02	05-28-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 476,506.6 E 1,474,115.6	7.3 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 5.0 ft / 2.3ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C648 (0.0 - 0.5)		n.a.	n.r.	6.8	0		**Topsoil**: with angular gravel.	FID Background = 1.6 ppm
C032C649 (0.5 - 2.0)		n.a.	n.r.		1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, rounded, moist, polymictic, some shell fragments, slight hydrocarbon staining, slight hydrocarbon odor (FILL)	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2			
C032C650 (2.0 - 4.0)		n.a.	n.r.		3			
					4		at 4.2 ft.: 0.4-foot thick clay lense.	
		n.a.	n.r.	2.1	5		**Clay (CL)**: Very dark gray [2.5Y 3/1], wet, (BAY MUD).	
C032C651 (4.0 - 8.0)					6			
					7			
				-0.5 -0.7	8		**Sand (SP)**: Very dark gray [2.5Y 3/1], medium to coarse grained sand, rounded, (BAY SEDIMENT).	
							TOTAL DEPTH = 8.0 FEET	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 12/31/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-14

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:53:03 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-15

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-24-02	05-24-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 475,108.0 E 1,474,575.6	10.0 ft	11.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 8.0 ft / 2.0ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (#BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
		n.a.	n.r.	9.0	1		**Asphalt**: over road base.	FID Background = 1.2 ppm
					2			Hole backfilled with cement-bentonite grout after completion.
C032C652 (0.0 - 0.5)		n.a.	n.r.	7.0	3		**Sand (SP)**: Very dark brown [10YR 2/2] hydrocarbon staining, fine to medium grained sand, rounded, moist, polymictic. (FILL).	
C032C653 (0.5 - 2.0)					4		at 3.2 ft.: Dark gray [2.5Y 4/1]. at 4.2 ft.: Light olive brown [2.5Y 5/6].	
					5			
C032C654 (2.0 - 4.0)		n.a.	n.r.		6			
					7			
					8		at 8.0 ft.: wet.	
C032C656 (4.0 - 8.0) C032C655 (4.0 - 8.0)		n.a.	n.r.		9			
					10			
				-1.0	11		**TOTAL DEPTH = 11.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-15

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:53:08 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-16

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-24-02	05-24-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 475,108.0 E 1,475,038.6	10.8 ft	12.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 3.8ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				9.8	0		**Asphalt**: over road base.	FID Background = 1.8 ppm
		n.a.	n.r.		1			Hole backfilled with cement-bentonite grout after completion.
					2			
				7.8	3			
C032C657 (0.0 - 0.5)		n.a.	n.r.				**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, rounded, moist, polymictic. (FILL).	
C032C658 (0.5 - 2.0)					4			
					5			
C032C659 (2.0 - 4.0)		n.a.	n.r.		6			
					7		at 7.0 ft.: wet.	
					8			
C032C660 (4.0 - 8.0)		n.a.	n.r.		9			
					10			
					11			
				-1.2	12		**TOTAL DEPTH = 12.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-16

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:53:14 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-17

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-24-02	05-24-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 475,108.1 E 1,475,501.7	10.8 ft	11.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 8.0 ft / 2.8ft ▼	n.a.	Tim Mote / Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				9.8	1		**Asphalt**: over road base.	FID Background = 0.8 ppm
		n.a.	n.r.		2			Hole backfilled with cement-bentonite grout after completion.
C032C661 (0.0 - 0.5)		n.a.	n.r.	7.8	3		**Sand (SP)**: Light olive brown [2.5Y 5/6], fine to medium grained sand, rounded, dry, polymictic. (FILL).	
C032C662 (0.5 - 2.0)					4			
					5			
C032C663 (2.0 - 4.0)		n.a.	n.r.		6		at 6.0 ft.: Olive brown [2.5Y 4/4], moist.	
					7			
					8		at 8.0 ft.: wet.	
C032C664 (4.0 - 8.0)		n.a.	n.r.		9			
					10			
				-0.2	11		**TOTAL DEPTH = 11.0 FEET**	

REGISTERED GEOLOGIST · CARMEL STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-17

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:53:19 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-18

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-24-02	05-24-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 475,571.0 E 1,475,501.6	5.9 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 3.0 ft / 2.9ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C665 (0.0 - 0.5)		n.a.	n.r.				**Topsoil**.	PID Background = 3.4 ppm
				4.9	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, rounded, moist, polymictic. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C667 (0.5 - 2.0)								
C032C666 (0.5 - 2.0)		n.a.	n.r.		2		at 1.6 ft.: 0.3-foot thick clay lense, dark gray.	
		n.a.	n.r.					
C032C668 (2.0 - 4.0)					3		at 3.0 ft.: wet.	
					4			
		n.a.	n.r.		5			
C032C669 (4.0 - 8.0)					6		at 6.0 ft.: Dark gray [2.5Y 4/1], moderate hydrocarbon odor.	
					7			
				-2.1	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-18

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:53:25 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-19

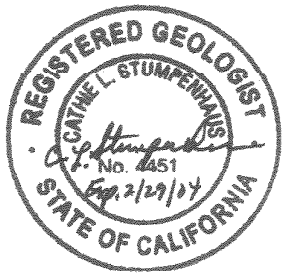
DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-24-02	05-24-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 476,033.2 E 1,475,505.4	5.8 ft	9.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ Not Encountered	n.a.	Tim Mote	Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
					1		**Fill**.	FID Background = 3.2 ppm
C032C670 (0.0 - 0.5)		n.a.	n.r.	4.3	2		**Sand (SP)**: Very dark brown [10YR 2/2], fine to medium grained sand, minor silt, moderate hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C671 (0.5 - 2.0)		n.a.	n.r.	2.8	3		**Clay with sand (CL)**: Very dark gray [2.5Y 3/1], fine to coarse grained sand, stiff, dry, (BAY MUD).	
		n.a.	n.r.		4			
C032C672 (2.0 - 4.0)					5			
					6			
		n.a.	n.r.		7			
C032C673 (4.0 - 8.0)					8			
					9			
				-3.7				

TOTAL DEPTH = 9.5 FEET



SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-19

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:53:30 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-20

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-24-02	05-24-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 475,108.1 E 1,475,964.6	10.5 ft	11.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 9.0 ft / 1.5ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				9.5	1		**Asphalt**: over road base.	FID Background = 1.0 ppm
		n.a.	n.r.		2			Hole backfilled with cement-bentonite grout after completion.
C032C674 (0.0 - 0.5)		n.a.	n.r.	7.5	3		**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, rounded, moist, polymictic. slight hydrocarbon odor (FILL).	
C032C675 (0.5 - 2.0)					4			
					5			
C032C676 (2.0 - 4.0)		n.a.	n.r.		6			
					7			
					8			
C032C678 (4.0 - 8.0) C032C677 (4.0 - 8.0)		n.a.	n.r.		9		at 9.0 ft.: wet.	
					10			
				-0.5	11		TOTAL DEPTH = 11.0 FEET	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 Exp. 4/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-20

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:53:39 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-21

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-24-02	05-24-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 475,571.1 E 1,475,964.6	5.3 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 3.5 ft / 1.8ft ▼	n.a.	Tim Mote / Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C679 (0.0 - 0.5)		n.a.	n.r.	5.1	0		**Topsoil.**	FID Background = 2.8 ppm
					1		**Sand** with dark gray hydrocarbon staining, fine to medium grained sand, rounded, moist, polymictic. (FILL). at 0.4 ft.: Dark gray [2.5Y 4/1].	
C032C680 (0.5 - 2.0)		n.a.	n.r.					Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2			
C032C681 (2.0 - 4.0)					3		at 3.5 ft.: wet.	
					4			
		n.a.	n.r.		5			
C032C682 (4.0 - 8.0)					6			
					7			
				-2.7	8		**TOTAL DEPTH = 8.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-21

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:53:45 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-3-22

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-24-02	05-24-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 475,108.1 E 1,476,427.7	9.9 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 8.0 ft / 1.9ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C683 (0.0 - 0.5)		n.a.	n.r.	8.9 / 8.7	1		**Asphalt**: over road base.	FID Background = 0.75 ppm
C032C684 (0.5 - 2.0)		n.a.	n.r.	7.3	2		**Sand (SP)**: Dark gray [2.5Y 4/1], fine to medium grained sand, rounded, moist, polymictic. strong hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.	6.7	3		Road base.	
C032C685 (2.0 - 4.0)					4		**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, rounded, moist, polymictic. moderate hydrocarbon odor (FILL).	
					5			
		n.a.	n.r.		6			
C032C686 (4.0 - 8.0)					7			
					8		at 8.0 ft.: wet.	
				0.9	9			
							TOTAL DEPTH = 9.0 FEET	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-3-22

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:53:50 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-1

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Geoprobe 5400	Alameda Point	05-13-02	05-13-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 473,423.7 E 1,477,957.6	9.4 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY / REVIEWED BY**	**ANGLE (from Horiz.)**	**HOLE DIAMETER**
▽ 7.8 ft / 1.6ft ▼	n.a.	Tim Mote / Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C759 (0.0 - 0.5)		n.a.	n.r.		0		**Sand (SP)**: Light olive brown [2.5Y 5/6], medium grained sand, rounded, poorly graded, dry, (FILL).	FID Background = 0.00 ppm
C032C760 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
					2			
C032C761 (2.0 - 4.0)					3			
		n.a.	n.r.		4			
					5			
C032C762 (4.0 - 8.0)				3.4	6		**Clayey sand (SC)**: Light olive brown [2.5Y 5/6], (FILL).	
					7			
				1.4	8		at 7.8 ft.: medium gray, with shell fragments.	
							TOTAL DEPTH = 8.0 FEET	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-1

Report form: CTO-032 ALAMEDA BORING LOG Time: 10:30:01 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-2

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Geoprobe 5400	Alameda Point	05-13-02	05-13-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 473,718.3 E 1,477,957.3	7.0 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.5 ft / 2.5ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C763 (0.0 - 0.5)		n.a.	n. r.				**Silty Sand (SM)**: Very dark grayish brown [2.5Y 3/2], with organic material. (TOPSOIL).	FID Background = 0.90 ppm
C032C764 (0.5 - 2.0)				6.0	1		**Sand (SP)**: Light olive brown [2.5Y 5/4], medium grained sand, rounded, poorly graded, dry, (FILL).	Hole backfilled with cement-bentonite grout after completion.
					2			
C032C765 (2.0 - 4.0)					3		at 3.0 ft.: moist.	
		n.a.	n. r.		4		at 4.5 ft.: wet.	
					5			
C032C766 (4.0 - 8.0)				1.0	6		**Sand (SW)**: Very dark gray [5Y 3/1], (FILL).	
					7		at 7.0 ft.: thin shell layer.	
				-1.0	8		**TOTAL DEPTH = 8.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-2

Report form: CTO-032 ALAMEDA BORING LOG Time: 10:06:52 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-3

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Geoprobe 5400	Alameda Point	05-13-02	05-13-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 474,009.2 E 1,477,957.6	6.1 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY / REVIEWED BY**	**ANGLE (from Horiz.)**	**HOLE DIAMETER**
▽ 4.5 ft / 1.6ft	n.a.	Tim Mote / Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C767 (0.0 - 0.5)		n.a.	n. r.				**Organic Soil (OL/OH)**: Dark brown, (TOPSOIL).	FID Background = 0.20 ppm
				5.1	1		**Sand (SP)**: Light olive brown [2.5Y 5/6], fine to medium grained sand, rounded, dry, grains have various mineralogies. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C769 (0.5 - 2.0) C032C768 (0.5 - 2.0)					2			
C032C770 (2.0 - 4.0)					3			
		n.a.	n. r.		4		at 4.5 ft.: wet.	
					5			
C032C771 (4.0 - 8.0)					6		at 6.0 ft.: Dark reddish gray [10R 4/1].	
					7		at 7.3 ft.: intercalated shells.	
				-1.9	8		**Clay (CL)**: at 7.9 ft.: Dark gray.	
							TOTAL DEPTH = 8.0 FEET	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-3

Report form: CTO-032 ALAMEDA BORING LOG Time: 10:06:58 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-4A

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Geoprobe 5400	Alameda Point	05-13-02	05-13-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 474,300.3 E 1,477,956.9	7.0 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 7.0 ft / 0.0ft	n.a.	Tim Mote / Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C772 (0.0 - 0.5)		n.a.	n. r.		0		**Sand (SP)**: Light olive brown [2.5Y 5/4], rounded, dry to moist, (FILL).	FID Background = 0.50 ppm
C032C773 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
					2			
C032C774 (2.0 - 4.0)					3			
		n.a.	n. r.		4		at 4.0 ft.: medium grained sand.	
					5		at 5.5 ft.: shells intercalated.	
C032C775 (4.0 - 8.0)					6		at 6.5 ft.: Dark reddish gray [10R 4/1].	
					7		at 7.0 ft.: wet.	
				-1.0	8		**TOTAL DEPTH = 8.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-4A

Report form: CTO-032 ALAMEDA BORING LOG Time: 10:07:03 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-5

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-17-02	05-17-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,390.0 E 1,478,248.6	6.3 ft	9.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 6.0 ft / 0.3ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
					0		**Concrete**.	FID Background = 0.00 ppm
					1			Hole backfilled with cement-bentonite grout after completion.
C032C776 (0.0 - 0.5)		n.a.	n. r.	4.8	2		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, trace clay, poorly graded, trace of sea shells, trace of geo-fabric. (FILL).	
C032C777 (0.5 - 2.0)					3			
		n.a.	n. r.		4			
C032C778 (2.0 - 4.0)					5			
					6		at 6.0 ft.: wet.	
		n.a.	n. r.		7			
C032C780 (4.0 - 8.0) C032C779 (4.0 - 8.0)					8			
					9			
				-3.2			**TOTAL DEPTH = 9.5 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-5

Report form: CTO-032 ALAMEDA BORING LOG Time: 10:10:09 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-6

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-17-02	05-17-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 471,681.1 E 1,478,248.7	7.2 ft	8.7 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 6.0 ft / 1.2ft ▼	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				6.5	0		**Concrete**.	FID Background = 0.00 ppm
C032C781 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded. moist. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C782 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032C783 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: wet.	
C032C784 (4.0 - 8.0)					7		at 7.0 ft.: Dark greenish gray [5GY 4/1], trace sea shells.	
					8			
				-1.5			**TOTAL DEPTH = 8.7 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-6

Report form: CTO-032 ALAMEDA BORING LOG Time: 10:07:13 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-7

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Geoprobe 5400	Alameda Point	05-13-02	05-13-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,414.4 E 1,478,244.0	8.9 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.5 ft / 3.4ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C785 (0.0 - 0.5)		n.a.	n. r.	8.4	0		**Organic Soil (OL/OH)**: Dark olive brown [2.5Y 3/3], (TOPSOIL).	PID Background = 0.20 ppm
C032C786 (0.5 - 2.0)					1		**Sand (SP)**: Light olive brown [2.5Y 5/6], medium grained sand, rounded, poorly graded, dry, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C787 (2.0 - 4.0)					2			
					3			
		n.a.	n. r.		4			
					5		at 5.5 ft.: wet, 6-inch clay rich segment.	
C032C788 (4.0 - 8.0)					6			
					7			
				0.9	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 3/31/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-7

Report form: CTO-032 ALAMEDA BORING LOG Time: 10:07:18 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-8

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Geoprobe 5400	Alameda Point	05-13-02	05-13-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 473,718.1 E 1,478,278.7	7.4 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 3.5 ft / 3.9ft ▼	n.a.	Tim Mote / Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C789 (0.0 - 0.5)		n.a.	n. r.				**Organic Soil (OL/OH)**: Dark reddish brown [2.5YR 3/4], grass. (TOPSOIL).	FID Background = 0.00 ppm
C032C791 (0.5 - 2.0) C032C790 (0.5 - 2.0)				6.4	1		**Sand (SP)**: Light olive brown [2.5Y 5/6], medium grained sand, rounded, dry, occasional pebbles. (FILL).	Hole backfilled with cement-bentonite grout after completion.
				4.9	2			
				4.6			**Clayey Sand (SC)**: wet, (FILL).	
C032C792 (2.0 - 4.0)					3		**Sand (SP)**: Light olive brown [2.5Y 5/6], medium grained sand, rounded, dry, occasional pebbles. (FILL). at 3.5 ft.: wet.	
		n.a.	n. r.		4			
					5			
C032C793 (4.0 - 8.0)					6			
					7		at 7.0 ft.: Dark reddish gray [10R 4/1], coarse grained sand.	
				-0.6	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-8

Report form: CTO-032 ALAMEDA BORING LOG Time: 10:07:24 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-9

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Geoprobe 5400	Alameda Point	05-13-02	05-13-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,009.5 E 1,478,247.0	8.4 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / 3.4ft	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C794 (0.0 - 0.5)		n.a.	n. r.	7.9	0		**Organic Soil (OL/OH)**: Dark brown, grass with rootlets. (TOPSOIL).	PID Background = 1.00 ppm
C032C795 (0.5 - 2.0)					1		**Sand (SP)**: Light olive brown [2.5Y 5/6], medium grained sand, rounded, dry, grains have various mineralogies. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C796 (2.0 - 4.0)					2			
					3			
		n.a.	n. r.		4			
					5		at 5.0 ft.: wet.	
C032C797 (4.0 - 8.0)					6			
					7			
				0.4	8		**TOTAL DEPTH = 8.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-9

Report form: CTO-032 ALAMEDA BORING LOG Time: 12:35:43 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-10

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Geoprobe 5400	Alameda Point	05-13-02	05-13-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 474,300.1 E 1,478,248.6	7.5 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.2 ft / 3.3ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus - RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C798 (0.0 - 0.5)		n.a.	n.r.	7.0	0		**Roadbase**: gravel, cement fragments and soil.	FID Background = 0.50 ppm
C032C799 (0.5 - 2.0)					1		**Sand (SP)**: Light olive brown [2.5Y 5/6], medium to coarse grained sand, rounded, dry to moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C800 (2.0 - 4.0)					2			
					3		at 3.0 ft.: clay. at 3.3 ft.: Dark reddish gray [10R 4/1].	
		n.a.	n.r.		4		at 4.2 ft.: wet.	
					5			
C032C802 (4.0 - 8.0) C032C801 (4.0 - 8.0)					6			
					7			
				-0.6	8		**TOTAL DEPTH = 8.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-10

Report form: CTO-032 ALAMEDA BORING LOG Time: 12:35:25 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-11

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-17-02	05-17-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 471,390.1 E 1,478,539.7	6.8 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 0.8ft	n.a.	Karl Brunkhorst	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				5.8	1		**Concrete**.	FID Background = 0.00 ppm
C032C803 (0.0 - 0.5)		n.a.	n.r.				**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist to wet, with shell fragments. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C804 (0.5 - 2.0)					2			
		n.a.	n.r.		3			
C032C805 (2.0 - 4.0)					4			
					5			
		n.a.	n.r.		6		at 6.0 ft.: wet.	
C032C806 (4.0 - 8.0)					7			
					8		at 8.0 ft.: Dark greenish gray [5GY 4/1].	
				-2.2	9			
							TOTAL DEPTH = 9.0 FEET	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-11

Report form: CTO-032 ALAMEDA BORING LOG Time: 1:21:08 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-12

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-17-02	05-17-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 471,681.1 E 1,478,539.7	8.2 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 2.2ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete.	FID Background = 0.00 ppm
C032C807 (0.0 - 0.5)		n.a.	n.r.	7.2	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, trace shell fragments. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C808 (0.5 - 2.0)					2			
		n.a.	n.r.		3			
C032C809 (2.0 - 4.0)					4			
					5			
		n.a.	n.r.		6		at 6.0 ft.: wet.	
C032C810 (4.0 - 8.0)					7		at 7.0 ft.: Dark greenish gray [5GY 4/1].	
					8			
				-0.8	9		**TOTAL DEPTH = 9.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-12

Report form: CTO-032 ALAMEDA BORING LOG Time: 12:35:31 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-13A

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Geoprobe 5400	Alameda Point	05-13-02	05-13-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,426.7 E 1,478,540.5	9.2 ft	8.7 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.2 ft / 3.0ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				8.5	0		Concrete.	FID Background = 1.00 ppm
C032C811 (0.0 - 0.5)		n.a.	n. r.		1		Sand (SP): Light olive brown [2.5Y 5/6], medium grained sand, rounded, poorly graded, dry to moist, various mineralogies. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C813 (0.5 - 2.0) C032C812 (0.5 - 2.0)					2			
					3			
C032C814 (2.0 - 4.0)					4			
		n.a.	n. r.		5			
					6		at 6.0 ft.: cement clasts and cobbles. at 6.2 ft.: moist to wet.	
C032C815 (4.0 - 8.0)					7			
					8			
				0.5			TOTAL DEPTH = 8.7 FEET	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-13A

Report form: CTO-032 ALAMEDA BORING LOG Time: 1:21:21 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-14

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-13-02	05-13-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 473,718.1 E 1,478,539.7	7.6 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz.)**	**HOLE DIAMETER**
▽ 5.0 ft / 2.6ft ▼	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C816 (0.0 - 0.5)		n.a.	n. r.	7.1	0		**Silty Clay (CL)**: Dark olive brown [2.5Y 3/3], moist, low plasticity, (FILL).	
C032C817 (0.5 - 2.0)					1		**Sand (SP)**: Olive brown [2.5Y 4/3], fine grained sand, poorly graded, (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032C818 (2.0 - 4.0)					3			
					4			
		n.a.	n. r.		5		at 5.0 ft.: wet.	
C032C819 (4.0 - 8.0)					6			
					7		at 6.5 ft.: with gravel up to 1 inch in diameter. at 7.0 ft.: Dark gray [2.5Y 4/1].	
				-0.4	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-14

Report form: CTO-032 ALAMEDA BORING LOG Time: 1:21:26 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-15

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-13-02	05-13-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,009.1 E 1,478,539.8	8.1 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 2.1ft	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C820 (0.0 - 0.5)		n.a.	n. r.		0		**Sand (SP)**: Olive brown [2.5Y 4/3], fine grained sand, moist, trace of medium gravel up to 1 inch in diameter, subangular. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C821 (0.5 - 2.0)					1			
		n.a.	n. r.		2			
C032C822 (2.0 - 4.0)					3		at 3.0 ft.: moist to wet.	
					4			
		n.a.	n. r.		5			
C032C824 (4.0 - 8.0) C032C823 (4.0 - 8.0)					6		at 6.0 ft.: wet.	
					7			
				0.1	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST
CATHIE L. STUMPENHAUS
No. 4451
Exp. 12/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-15

Report form: CTO-032 ALAMEDA BORING LOG Time: 1:21:32 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-16

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-13-02	05-13-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 474,300.1 E 1,478,539.6	7.4 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 6.0 ft / 1.4ft ▼	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C825 (0.0 - 0.5)		n.a.	n. r.				**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	
C032C826 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032C827 (2.0 - 4.0)					3			
					4		at 4.0 ft.: trace of sea shells.	
		n.a.	n. r.		5			
C032C828 (4.0 - 8.0)					6		at 6.0 ft.: Olive [5Y 4/4], wet.	
					7			
				-0.6	8		**TOTAL DEPTH = 8.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-16

Report form: CTO-032 ALAMEDA BORING LOG Time: 1:21:37 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-17

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-17-02	05-17-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,390.0 E 1,478,830.7	6.8 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 6.0 ft / 0.8ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete.	FID Background = 0.00 ppm
C032C829 (0.0 - 0.5)		n.a.	n. r.	5.8	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, some sea shells. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C830 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032C831 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: wet.	
C032C832 (4.0 - 8.0)					7			
					8		at 8.0 ft.: Dark greenish gray [5GY 4/1].	
				-2.2	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 4/24/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-17

Report form: CTO-032 ALAMEDA BORING LOG Time: 1:21:43 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-18

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-17-02	05-17-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,681.1 E 1,478,830.6	7.6 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 1.6ft	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete.	FID Background = 0.00 ppm
C032C833 (0.0 - 0.5)		n.a.	n. r.	6.6	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, trace of sea shells. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C835 (0.5 - 2.0) C032C834 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032C836 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: wet.	
C032C837 (4.0 - 8.0)					7		at 7.0 ft.: Dark greenish gray [5GY 4/1].	
					8			
				-1.4	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · No. 4451 · Exp 4/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-18

Report form: CTO-032 ALAMEDA BORING LOG Time: 12:35:37 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-19

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-13-02	05-13-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 473,718.1 E 1,478,830.7	7.2 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 6.0 ft / 1.2ft ▼	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C838 (0.0 - 0.5)		n.a.	n. r.	6.7	0		**Silty Clay (CL)**: Dark olive brown [2.5Y 3/3], moist, low plasticity, (FILL).	
C032C839 (0.5 - 2.0)					1		**Sand (SP)**: Olive brown [2.5Y 4/3], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032C840 (2.0 - 4.0)					3			
					4			
		n.a.	n. r.		5			
C032C841 (4.0 - 8.0)					6		at 6.0 ft.: wet.	
					7		at 7.0 ft.: Dark gray [2.5Y 4/1].	
				-0.8	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · No. 4451 · Exp. 4/24/07 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-19

Report form: CTO-032 ALAMEDA BORING LOG Time: 1:21:55 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-20

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-13-02	05-13-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,003.1 E 1,478,830.8	8.2 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 2.2ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (#BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C842 (0.0 - 0.5)		n.a.	n. r.		0		**Silty Clay (CL)**: Olive brown [2.5Y 4/4], dry, trace of fine to medium grained sand. (FILL).	
C032C843 (0.5 - 2.0)				7.0	1		**Sand (SP)**: Olive brown [2.5Y 4/3], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032C844 (2.0 - 4.0)					3			
					4			
		n.a.	n. r.		5		at 5.0 ft.: trace of sea shells.	
C032C845 (4.0 - 8.0)					6		at 6.0 ft.: Yellowish brown [10YR 5/8], wet, thin lenses of medium to coarse grained sand.	
					7			
				0.2	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST
CATHIE L. STUMPENHAUS
No. 4451
Exp 2/28/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-20

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:08:18 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-21

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-13-02	05-13-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,300.2 E 1,478,830.7	5.0 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.5 ft / -0.5ft	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C847 (0.0 - 0.5)		n.a.	n. r.		0		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	
C032C848 (0.5 - 2.0)					1		at 0.8 ft.: trace of Yellowish red [5YR 4/6] medium to coarse gravels.	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032C849 (2.0 - 4.0)					3		at 2.5 ft.: thin lens of Reddish yellow [7.5YR 6/8] coarse gravel.	
					4		at 4.0 ft.: Dark greenish gray [5GY 4/1].	
		n.a.	n. r.		5		at 5.0 ft.: Olive [5Y 4/4].	
C032C850 (4.0 - 8.0)					6		at 5.5 ft.: wet.	
					7			
				-3.0	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUSEN · No. 4451 · 6/24/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-21

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:08:24 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-22

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-20-02	05-20-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,390.1 E 1,479,121.7	7.6 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 1.6ft	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (#BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete.	PID Background = 0.00 ppm
C032C851 (0.0 - 0.5)		n.a.	n. r.	6.6	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, trace of sea shells. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C852 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032C853 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: wet.	
C032C854 (4.0 - 8.0)					7		at 7.0 ft.: Dark greenish gray [5GY 4/1].	
					8			
				1.1	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-22

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:08:30 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-23

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-17-02	05-17-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 471,681.1 E 1,479,121.7	8.4 ft	9.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 6.0 ft / 2.4ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete.	FID Background = 0.00 ppm
C032C855 (0.0 - 0.5)		n.a.	n. r.	7.4	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, trace of sea shells. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C857 (0.5 - 2.0) / C032C856 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032C858 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: wet.	
C032C859 (4.0 - 8.0)					7			
					8			
				-0.6	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-23

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:08:36 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-24

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-21-02	05-21-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,972.2 E 1,479,055.8	8.5 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 2.5ft	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				8.0	0		**Concrete**.	FID Background = 0.00 ppm
C032C860 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C861 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032C862 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: wet.	
C032C863 (4.0 - 8.0)					7			
					8		at 8.0 ft.: Dark greenish gray [5GY 4/1].	
				0.0			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-24

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:08:42 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-25

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-14-02	05-14-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 474,009.1 E 1,479,121.5	6.9 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 4.0 ft / 2.9ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C864 (0.0 - 0.5)		n.a.	n. r.		0		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, trace of angular gravel up to 1.5 inches in diameter. (FILL).	FID Background = 0.00 ppm
C032C865 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032C866 (2.0 - 4.0)					3			
					4		at 4.0 ft.: wet.	
		n.a.	n. r.		5		at 5.0 ft.: trace of sea shells.	
C032C868 (4.0 - 8.0) C032C867 (4.0 - 8.0)					6			
					7		at 7.0 ft.: Dark greenish gray [5G 4/1].	
				-1.2	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · C.E.G. No. 4451 Exp 7/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-25

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:08:47 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-26

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-20-02	05-20-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,393.0 E 1,479,411.5	7.3 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 1.3ft	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				6.3	1		**Concrete**.	FID Background = 0.00 ppm
C032C869 (0.0 - 0.5)		n.a.	n. r.				**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C870 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032C871 (2.0 - 4.0)					4		at 4.0 ft.: trace of sea shells.	
					5			
		n.a.	n. r.		6		at 6.0 ft.: wet.	
C032C872 (4.0 - 8.0)					7		at 7.0 ft.: Dark greenish gray [5GY 4/1].	
					8			
				-1.8	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L STUMPENHAUST · No. 4451 · Exp 3/31/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-26

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:08:52 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-27

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-20-02	05-20-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 471,681.1 E 1,479,412.7	7.9 ft	9.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY / REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 6.0 ft / 1.9ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete.	FID Background = 0.00 ppm
C032C873 (0.0 - 0.5)		n a	n. r.	6.9	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, trace of sea shells. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C874 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032C875 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: wet.	
							at 6.5 ft.: Dark greenish gray [5GY 4/1].	
C032C876 (4.0 - 8.0)					7			
					8			
				-1.1	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · 4/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-27

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:08:58 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-28

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-21-02	05-21-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 471,972.1 E 1,479,412.6	6.7 ft	9.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 6.0 ft / 0.7ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete.	PID Background = 0.00 ppm
C032C877 (0.0 - 0.5)		n.a.	n. r.	5.7	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C879 (0.5 - 2.0) C032C878 (0.5 - 2.0)		n.a.	n. r.		2			
C032C880 (2.0 - 4.0)		n.a.	n. r.		3			
C032C881 (4.0 - 8.0)					4		at 6.0 ft.: wet.	
					5		at 6.5 ft.: Dark greenish gray [5GY 4/1]	
					6			
					7			
					8			
				-2.3	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 3/31/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-28

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:09:04 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-29

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-14-02	05-14-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,441.8 E 1,479,413.4	8.7 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 2.7ft	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (#BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C882 (0.0 - 0.5)		n.a.	n. r.	8.2	0		**Silty Sand (SM)**: Dark brown [7.5YR 3/4], poorly graded, dry, with clay. (FILL).	FID Background = 0.00 ppm
							Sand (SP): Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	
C032C883 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032C884 (2.0 - 4.0)					3			
					4			
		n.a.	n. r.		5			
C032C885 (4.0 - 8.0)					6		at 6.0 ft.: wet.	
					7		at 7.0 ft.: Dark greenish gray [5GY 4/1].	
				0.7	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST
CATHIE L. STUMPENHAUS
No. 4451
Exp. 2/29/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-29

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:09:10 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-30

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-14-02	05-14-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 473,718.1 E 1,479,412.6	5.8 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY / REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 4.8 ft / 1.0ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C886 (0.0 - 0.5)		n.a.	n. r.		0		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, trace of gravel up to 1.5 inches in diameter, trace of sea shells. (FILL).	PID Background = 0.00 ppm
C032C887 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032C888 (2.0 - 4.0)					3			
					4			
				1.0				
		n.a.	n. r.	0.8	5		**Sandy Clay (CL)**: Light olive brown [2.5Y 5/4], fine grained sand, wet, (FILL).	
C032C890 (4.0 - 8.0) C032C889 (4.0 - 8.0)					6		**Sand (SP)**: Dark greenish gray [5GY 4/1], fine grained sand, poorly graded, moist to wet, (FILL).	
					7			
				-2.2	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 3/29/14 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-30

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:33:46 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-31

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-14-02	05-14-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 474,015.0 E 1,479,414.6	5.2 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 6.0 ft / -0.8ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				4.7	0		**Concrete**.	PID Background = 0.00 ppm
C032C891 (0.0 - 0.5)		n.a.	n. r.	4.2	1		**Silty Clay (CL)**: Dark olive brown [2.5Y 3/3], moist, low plasticity, soft. (FILL).	
C032C892 (0.5 - 2.0)					2		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, trace of angular gravel up to 1 inch in diameter. (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		3			
C032C893 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: wet.	
C032C894 (4.0 - 8.0)				-1.0			**Clay (CL)**: Olive [5Y 5/4], moist to wet, low plasticity, soft, with fine grained sand (FILL).	
				-1.3	7		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist to wet, (FILL). at 7.0 ft.: wet.	
					8			
				-3.3			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · 8/23/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-31

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:30:05 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-32

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-14-02	05-14-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,297.4 E 1,479,412.1	5.4 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / 0.4ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C895 (0.0 - 0.5)		n.a.	n. r.				**Organic Soil (OL/OH)**: grass with rootlets. (TOPSOIL).	FID Background = 1.60 ppm
				4.4	1		**Sand (SW)**: Light olive brown [2.5Y 5/3], fine to medium grained sand, rounded, well graded, dry, polymictic grains. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C896 (0.5 - 2.0)		n.a.	n. r.		2			
		n.a.	n. r.					
C032C897 (2.0 - 4.0)					3		at 3.0 ft.: moist.	
					4		at 4.0 ft.: slight Clay increase.	
		n.a.	n. r.	0.2	5		at 5.0 ft.: wet.	
C032C898 (4.0 - 8.0)					6		**Sand (SP)**: Dark gray [2.5Y 4/1], rounded, poorly graded, polymictic grains (Olivine, Quartz, Magnetite). (BAY SEDIMENT).	
				-2.6	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-32

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:31:55 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-33

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-14-02	05-14-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,588.8 E 1,479,414.7	4.5 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.0 ft / 0.5ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C899 (0.0 - 0.5)		n.a.	n. r.				**Sand (SP)**: Light olive brown [2.5Y 5/3], medium grained sand, rounded, poorly graded, (FILL).	FID Background = 1.80 ppm
C032C901 (0.5 - 2.0)				3.5	1		**Clayey Sand (SC)**: Light olive brown [2.5Y 5/3], medium grained sand, rounded, polymictic grains. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C900 (0.5 - 2.0)		n.a.	n. r.		2			
		n.a.	n. r.					
C032C902 (2.0 - 4.0)					3			
					4		at 4.0 ft.: wet, fat Clay.	
				0.0			**Sand (SP)**: Dark gray [2.5Y 4/1], rounded, poorly graded, polymictic grains. (FILL).	
		n.a.	n. r.		5			
C032C903 (4.0 - 8.0)					6			
				-2.5	7		**Clay (CL)**: Very dark gray [10YR 3/1], wet, (BAY MUD).	
				-3.0			**Sand (SP)**: Dark gray [2.5Y 4/1], rounded, poorly graded, polymictic grains. (BAY SEDIMENT).	
				-3.5	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · 5/31/24 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-33

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:32:02 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-34

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-15-02	05-15-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,830.2 E 1,479,411.3	4.2 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.8 ft / -0.6ft	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				3.7	0		**Asphalt**.	FID Background = 0.4 ppm
C032C904 (0.0 - 0.5)		n.a.	n. r.		1		(FILL).	
				2.8				Hole backfilled with cement-bentonite grout after completion.
C032C905 (0.5 - 2.0)		n a	n. r.		2		**Sand (SW)**: Very dark gray [2.5Y 3/1], rounded, well graded, moist, polymictic grains, shell fragments. (FILL).	
		n.a.	n. r.		3			
C032C906 (2.0 - 4.0)					4			
					5		at 4.8 ft.: wet.	
		n.a.	n. r.					
				-1.8	6		**Clay (CL)**: Very dark gray [5Y 3/1], bay mud. (BAY MUD).	
C032C907 (4.0 - 8.0)					7			
				-3.6	8		**Sand (SP)**: Dark gray. (BAY SEDIMENT).	
				-4.3			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
CATHIE L. STUMPENHAUST
No. 4451
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-34

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:32:09 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-35

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-20-02	05-20-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,390.0 E 1,479,703.7	7.7 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 1.7ft	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (#BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete.	FID Background = 0.00 ppm
C032C908 (0.0 - 0.5)		n.a.	n. r.	6.7	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, trace clay, poorly graded, with sea shells. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C909 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032C910 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: wet.	
C032C912 (4.0 - 8.0) C032C911 (4.0 - 8.0)					7		at 7.5 ft.: Dark greenish gray [5GY 4/1].	
					8			
				-1.3	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-35

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:30:29 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-36

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-20-02	05-20-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 471,676.9 E 1,479,707.2	8.5 ft	9.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY / REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 6.0 ft / 2.5ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete.	FID Background = 0.00 ppm
C032C913 (0.0 - 0.5)		n.a.	n. r.	7.5	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C914 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032C915 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: wet.	
C032C916 (4.0 - 8.0)					7			
					8		at 7.5 ft.: Dark greenish gray [5GY 4/1].	
				-0.5	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 3/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-36

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:30:35 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-37

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-21-02	05-21-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,972.2 E 1,479,637.8	8.1 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 2.1ft	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete.	PID Background = 0.00 ppm
C032C917 (0.0 - 0.5)		n.a.	n. r.	7.1	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C918 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032C919 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: wet.	
C032C920 (4.0 - 8.0)					7			
					8		at 8.0 ft.: Dark greenish gray [5GY 4/1].	
				-0.9	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-37

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:30:41 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-38

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-16-02	05-16-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 472,253.2 E 1,479,703.3	8.7 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 7.0 ft / 1.7ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C921 (0.0 - 0.5)		n.a.	n. r.	8.2	0		**Asphalt**: Over cement	PID Background = 0.00 ppm
					1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, trace of coarse gravel and sea shells. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C923 (0.5 - 2.0) C032C922 (0.5 - 2.0)					2			
		n.a.			3			
C032C924 (2.0 - 4.0)					4			
					5			
		n.a.			6			
C032C925 (4.0 - 8.0)					7		at 7.0 ft.: wet.	
					8		at 7.5 ft.: Dark greenish gray [5GY 4/1].	
				0.2			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-38

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:30:47 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-39

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-14-02	05-14-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,427.2 E 1,479,703.6	10.1 ft	8.3 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 3.1ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C926 (0.0 - 0.5)		n.a.	n. r.	9.8	0		**Asphalt**.	PID Background = 0.00 ppm
				9.3			**Sand with Clay and Gravel (CL)**: Strong brown [7.5YR 4/6], well graded, moist, (FILL).	
C032C927 (0.5 - 2.0)					1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032C928 (2.0 - 4.0)					3			
					4			
					5			
		n.a.	n. r.		6			
C032C929 (4.0 - 8.0)					7		at 7.0 ft.: wet.	
				1.8	8			
							TOTAL DEPTH = 8.3 FEET	

REGISTERED GEOLOGIST
CATHIE L STUMPENHAUST
No. 4451
Exp. 2/29/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-39

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:30:53 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-40

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-14-02	05-14-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,710.9 E 1,479,694.9	4.9 ft	8.3 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / -0.1ft	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C930 (0.0 - 0.5)		n.a.	n. r.	4.7	0		**Asphalt.**	FID Background = 0.00 ppm
				4.2			**Sand with Clay and Gravel (CL)**: Yellowish brown [10YR 5/8], well graded, moist, (FILL).	
C032C931 (0.5 - 2.0)					1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL)	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032C932 (2.0 - 4.0)					3			
				1.1				
				0.9	4		**Sand with Clay and Gravel (SP)**: poorly graded, moist to wet, (FILL).	
							Sand (SP): Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist to wet, (FILL).	
					5		at 5.0 ft.: wet, trace of wood and sea shells.	NOTE: Wood chunks removed from sample
		n.a.	n. r.					
C032C934 (4.0 - 8.0) C032C933 (4.0 - 8.0)					6			
					7			
					8			
				-3.3			**TOTAL DEPTH = 8.3 FEET**	

REGISTERED GEOLOGIST
CATHIE L. STUMPENHAUS
No. 4451
Exp. 2/29/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-40

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:32:34 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-41

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-14-02	05-14-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,009.1 E 1,479,693.7	6.8 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ Not Encountered	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C935 (0.0 - 0.5)		n.a.	n. r.	6.3	0		**Silty Sand (SM)**: Dark olive brown [2.5Y 3/3], poorly graded, dry, (FILL).	PID Background – 0.00 ppm
C032C936 (0.5 - 2.0)					1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, trace of coarse gravel up to 1/2 inch in diameter. (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032C937 (2.0 - 4.0)					3		at 3.0 ft.: trace of clay and sea shells, no gravel.	
					4			
		n.a.	n. r.		5		at 5.0 ft.: Olive [5Y 4/4].	
C032C938 (4.0 - 8.0)					6			
					7			
				-1.2	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · 12/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-41

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:07:03 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-42

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-14-02	05-14-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 474,300.2 E 1,479,703.6	5.9 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 5.0 ft / 0.9ft	n.a.	Tim Mote / Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C939 (0.0 - 0.5)		n.a.	n. r.	5.8	0		**Organic Soil (OL/OH)**: Dark brown. (TOPSOIL).	PID Background = 3.2 ppm
							Sand (SP): Light olive brown [2.5Y 5/3], fine grained sand, rounded, dry, slight organic rootlets intermixed. (FILL).	
C032C940 (0.5 - 2.0)		n.a.	n. r.		1			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032C941 (2.0 - 4.0)					3			
					4		at 3.7 ft.: distinct shell horizon. (FILL).	
							at 4.5 ft.: moist.	
		n.a.	n. r.		5		at 5.0 ft.: wet.	
C032C942 (4.0 - 8.0)					6			
				-0.6			**Clayey Sand (SC)**: Dark gray [2.5Y 4/1], wet, 1 inch Clay unit at contact. (FILL).	
					7			
				-2.1	8		**TOTAL DEPTH = 8.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-42

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:07:10 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-43

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-14-02	05-14-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,598.4 E 1,479,702.2	6.8 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.2 ft / 2.6ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C943 (0.0 - 0.5)		n.a.	n. r.		1		**Organic Soil (OL/OH)**: grass with rootlets. (TOPSOIL).	FID Background = 2.6 ppm
C032C945 (0.5 - 2.0)				5.3				Hole backfilled with cement-bentonite grout after completion.
C032C944 (0.5 - 2.0)		n.a.	n. r.		2		**Sand (SP)**: Light olive brown [2.5Y 5/3], medium grained sand, rounded, poorly graded, dry, (FILL).	
		n.a.	n. r.		3			
C032C946 (2.0 - 4.0)					4		at 4.2 ft.: wet.	
		n.a.	n. r.		5		at 4.5 ft.: Dark gray [2.5Y 4/1] and Light olive brown [2.5Y 5/3], thin 1 inch Clay horizons.	
C032C947 (4.0 - 8.0)					6			
					7			
				-1.2	8		**TOTAL DEPTH = 8.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-43

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:07:16 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-44

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-15-02	05-15-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,857.0 E 1,479,703.6	6.3 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ Not Encountered ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (#BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				5.8			**Asphalt**	FID Background = 0.6 ppm
C032C948 (0.0 - 0.5)		n.a.	n. r.		1		Clay, Sand, intermexed Asphalt, angular clasts. (RIPRAP).	
C032C949 (0.5 - 2.0)		n.a.	n. r.		2			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		3		at 2.5 ft.: increase in Light olive brown sand.	
C032C950 (2.0 - 4.0)					4		at 4.0 ft.: angular coarse grains, pebbles.	
		n.a	n. r.		5			
C032C951 (4.0 - 8.0)					6			
					7			
					8			
				-2.2			**TOTAL DEPTH = 8.5 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-44

Report form: CTO-032 ALAMEDA BORING LOG Time: 8:11:21 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-45

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-21-02	05-21-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 471,390.2 E 1,479,994.7	7.1 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 6.0 ft / 1.1ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C952 (0.0 - 0.5)		n.a.	n. r.	6.6	0		**Concrete**.	FID Background = 0.0 ppm
C032C953 (0.5 - 2.0)					1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, trace of sea shells. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C954 (2.0 - 4.0)		n.a.	n. r.		2			
					3			
					4			
					5			
C032C956 (4.0 - 8.0) C032C955 (4.0 - 8.0)		n.a.	n. r.		6		at 6.0 ft.: wet.	
							at 6.5 ft.: Dark greenish gray [5GY 4/1].	
					7			
					8			
				-1.4			**TOTAL DEPTH = 8.5 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-45

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:44:41 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-46

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-21-02	05-21-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,669.5 E 1,479,993.9	8.2 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 2.2ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
					0		**Concrete**.	PID Background = 0.0 ppm
C032C957 (0.0 - 0.5)		n.a.	n. r.	7.2	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, trace of sea shells. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C958 (0.5 2.0)					2			
		n.a.	n. r.		3			
C032C959 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: wet.	
C032C960 (4.0 - 8.0)					7		at 6.5 ft.: Dark greenish gray [5GY 4/1].	
					8			
				-0.8	9		**TOTAL DEPTH = 9.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-46

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:19:36 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-47

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-21-02	05-21-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,972.1 E 1,479,994.6	8.3 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 2.3ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete.	FID Background = 0.0 ppm
C032C961 (0.0 - 0.5)		n.a.	n. r.	7.3	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C962 (0.5 - 2.0)				5.8	2		**Clay (CL)**: Olive brown [2.5Y 4/4], soft, (FILL).	
		n.a.	n. r.	5.3	3		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, (FILL).	
C032C963 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: wet.	
C032C964 (4.0 - 8.0)					7			
					8		at 8.0 ft.: Dark greenish gray [5GY 4/1].	
				-0.7	9			
							TOTAL DEPTH = 9.0 FEET	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-47

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:07:36 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-48

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-16-02	05-16-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,223.1 E 1,479,994.6	8.2 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 1.2ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.7			**Concrete**.	FID Background = 0.0 ppm
C032C965 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, trace of coarse angular gravel up to 1.5 inch in diameter. (FILL)	Hole backfilled with cement-bentonite grout after completion.
C032C967 (0.5 - 2.0) C032C966 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032C968 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032C969 (4.0 - 8.0)					7		at 7.0 ft.: wet.	
					8		at 8.0 ft.: Dark greenish gray [5GY 4/1].	
				-0.3			**TOTAL DEPTH = 8.5 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-48

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:07:42 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-49

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-15-02	05-15-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 473,425.2 E 1,480,016.8	7.8 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 5.0 ft / 2.8ft ▼	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C970 (0.0 - 0.5)		n.a.	n. r.		0		**Silty Sand (SM)**: Light olive brown [2.5Y 5/4], fine grained sand, poorly graded, dry, trace of gravel up to 1 inch in diameter. (FILL).	FID Background = 0.0 ppm
C032C971 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.	5.8	2		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	
C032C972 (2.0 - 4.0)					3			
					4			
		n.a.	n. r.		5		at 5.0 ft.: wet.	
C032C973 (4.0 - 8.0)					6		at 6.0 ft.: trace of Clay.	
					7			
				-0.2	8		**TOTAL DEPTH = 8.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-49

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:07:47 AM

BORING LOG

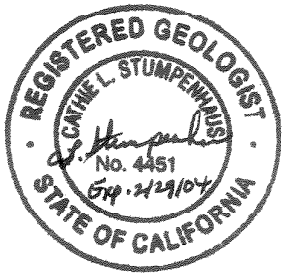
PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-50

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-15-02	05-15-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,718.2 E 1,479,994.7	6.1 ft	8.3 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / 1.1ft	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C974 (0.0 - 0.5)		n.a.	n. r.	5.9	0		**Asphalt.**	FID Background = 0.0 ppm
C032C975 (0.5 - 2.0)					1		**Clayey Gravel with Sand (GC)**: Strong brown [7.5YR 4/6], well graded, dry, (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.	3.6	2			
C032C976 (2.0 - 4.0)					3		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	
					4			
					5		at 5.0 ft.: wet, trace of coarse gravel up to 1.5 inch in diameter.	
		n.a.	n. r.		6			
C032C978 (4.0 - 8.0) C032C977 (4.0 - 8.0)					7		at 6.5 ft.: Dark gray [5Y 4/1].	
				-2.1	8			
							TOTAL DEPTH = 8.3 FEET	



SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-50

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:46:49 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-51

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-5	Alameda Point	05-15-02	05-15-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,012.6 E 1,479,991.8	5.6 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ Not Encountered ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C979 (0.0 - 0.5)		n.a.	n. r.	5.1	0		**Asphalt**.	FID Background = 1.0 ppm
					1		unconsolidated Gravels, Concrete, Asphalt, organics, Clays, angular clasts. (ROAD BASE).	
C032C980 (0.5 - 2.0)		n.a.	n. r.	3.6	2		**Sand (SP)**: Light olive brown [2.5Y 5/6], medium grained sand, rounded, polymictic. (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		3			
C032C981 (2.0 - 4.0)					4		at 4.0 ft.: moist.	
		n.a.	n. r.		5			
C032C982 (4.0 - 8.0)					6			
					7		at 7.0 ft.: Dark gray Sand with minor Clay.	
					8			
				-2.9			**TOTAL DEPTH = 8.5 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-51

Report form: CTO-032 ALAMEDA BORING LOG Time: 8:11:25 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-52

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-14-02	05-14-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 474,300.2 E 1,479,994.7	6.7 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 4.8 ft / 1.9ft	n.a.	Tim Mote / Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C983 (0.0 - 0.5)		n.a.	n. r.	6.2	0		**Organic Soil (OL/OH)**. (TOPSOIL).	FID Background = 3.5 ppm
C032C984 (0.5 - 2.0)		n.a.	n. r.		1		**Sand (SP)**: Light olive brown [2.5Y 5/6], medium grained sand, rounded, dry, (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2		at 1.5 ft.: moist.	
C032C985 (2.0 - 4.0)					3		at 2.0 ft.: 1/2 inch Clay layers, intercalated, Light brown.	
					4			
					5		at 4.8 ft.: wet.	
C032C986 (4.0 - 8.0)		n.a.	n. r.	1.5	6		**Clayey Sand (SC)**: Dark gray [2.5Y 4/1], medium grained sand, rounded, some fines, shell fragments. (BAY SEDIMENT).	
					7		at 7.0 ft.: 6 inch Clay unit, silty.	
				-1.3	8		at 8.0 ft.: increased organic odor.	
							TOTAL DEPTH = 8.0 FEET	

REGISTERED GEOLOGIST · CATHIE L STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-52

Report form: CTO-032 ALAMEDA BORING LOG Time: 8:11:31 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-53

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-14-02	05-14-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,590.1 E 1,480,000.9	7.5 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / 2.5ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C987 (0.0 - 0.5)		n.a.	n. r.	6.8	0		**Organic Soil (OL/OH)**: grass with rootlets. (TOPSOIL).	FID Background = 1.6 ppm
C032C989 (0.5 - 2.0)					1		**Sand (SP)**: Light olive brown [2.5Y 5/6], fine to medium grained sand, rounded, dry, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C988 (0.5 - 2.0)		n.a.	n. r.					
		n.a.	n. r.		2			
C032C990 (2.0 - 4.0)				4.5	3		**Clayey Sand (SC)**: Strong brown [7.5YR 4/6], fine to medium grained sand, rounded, stiff, slight organics, increased Clay content with depth. (FILL).	
					4			
		n.a.	n. r.		5		at 5.0 ft.: wet.	
C032C991 (4.0 - 8.0)				1.5	6		**Clay (CL)**: Very dark gray [10YR 3/1], organic. (BAY MUD).	
					7			
				-0.3 -0.5	8		**Sand (SP)**: Dark gray [2.5Y 4/1], mafic sands. (BAY SEDIMENT).	
							TOTAL DEPTH = 8.0 FEET	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-53

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:52:14 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-54

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-21-02	05-21-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,390.2 E 1,480,285.7	7.5 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 1.5ft	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.0	0		**Concrete**.	FID Background = 0.0 ppm
C032C992 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, trace of sea shells. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C993 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032C994 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: wet.	
C032C995 (4.0 - 8.0)					7		at 6.5 ft.: Dark greenish gray [5GY 4/1].	
				-1.0	8		**TOTAL DEPTH = 8.5 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-54

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:08:17 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-55

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-16-02	05-16-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,203.1 E 1,480,285.7	8.2 ft	8.7 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 2.2ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (#ELOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.5	1		Concrete.	FID Background = 0.0 ppm
C032C996 (0.0 - 0.5)		n.a.	n. r.				Sand (SP): Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, trace of gravel. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C997 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032C998 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: wet.	
C032C000 (4.0 - 8.0) C032C999 (4.0 - 8.0)					7		at 7.5 ft.: Dark greenish gray [5GY 4/1].	
				-0.5	8			
							TOTAL DEPTH = 8.7 FEET	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-55

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:08:23 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-56

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-22-02	05-22-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,442.2 E 1,480,279.1	9.1 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ Not Encountered ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				8.1	1		**Concrete**. Over aggregate base.	FID Background = 0.0 ppm
C032CA01 (0.0 - 0.5)		n.a.	n. r.				**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CA02 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CA03 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032CA04 (4.0 - 8.0)					7			
					8			
				0.1	9		**TOTAL DEPTH = 9.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-56

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:08:28 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-57

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-22-02	05-22-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,868.4 E 1,480,288.0	8.3 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ Not Encountered ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.8	0		**Asphalt**: Over aggregate base.	FID Background = 0.0 ppm
C032CA05 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CA06 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CA07 (2.0 - 4.0)					4			
				3.8	5		**Clayey Sand (SC)**: Yellowish red [5YR 5/8], fine to medium grained sand, moist, (FILL).	
		n.a.	n. r.	2.8	6		**Sand (SP)**: Dark greenish gray [5GY 4/1], fine grained sand, poorly graded, moist to wet, (FILL).	
C032CA08 (4.0 - 8.0)					7			
					8			
				-0.2			**TOTAL DEPTH = 8.5 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-57

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:08:34 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-58

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-23-02	05-23-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 473,136.1 E 1,480,285.6	8.3 ft	9.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY / REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 7.0 ft / 1.3ft ▼	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete: Over aggregate base.	FID Background = 0.0 ppm
C032CA09 (0.0 - 0.5)		n.a.	n. r.	7.3	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CA11 (0.5 - 2.0) / C032CA10 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CA12 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032CA13 (4.0 - 8.0)					7		at 7.0 ft.: wet.	
					8		at 7.5 ft.: Dark greenish gray [5GY 4/1].	
				-0.7	9			
							TOTAL DEPTH = 9.0 FEET	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-58

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:08:39 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-59

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-15-02	05-15-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 473,442.1 E 1,480,300.7	9.8 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY / REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 7.0 ft / 2.8ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CA14 (0.0 - 0.5)		n.a.	n. r.	9.6	0		**Topsoil.**	FID Background = 0.0 ppm
C032CA15 (0.5 - 2.0)					1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, dry, (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032CA16 (2.0 - 4.0)					3			
					4			
		n.a.	n. r.		5			
C032CA17 (4.0 - 8.0)					6			
					7		at 7.0 ft.: wet.	
				1.8	8		**TOTAL DEPTH = 8.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-59

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:08:45 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-60

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-15-02	05-15-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,728.7 E 1,480,282.6	6.6 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / -0.4ft	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CA18 (0.0 - 0.5)		n.a.	n. r.		0		**Silty Sand (SM)**: Light olive brown [2.5Y 5/4], fine grained sand, poorly graded, dry, (FILL).	PID Background – 0.0 ppm
C032CA19 (0.5 - 2.0)				5.1	1			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, (FILL).	
C032CA20 (2.0 - 4.0)					3			
				2.6	4		**Sandy Clay with Gravel (CL)**: Strong brown [7.5YR 4/6], well graded, moist, (FILL).	
		n.a.	n. r.	1.6	5		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist to wet, with sea shells. (FILL).	
C032CA22 (4.0 - 8.0) C032CA21 (4.0 - 8.0)					6			
					7		at 7.0 ft.: wet.	
				-1.4	8		**TOTAL DEPTH = 8.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-60

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:08:52 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-61

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-15-02	05-15-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 473,994.1 E 1,480,285.6	6.4 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 7.0 ft / -0.6ft	n.a.	Tim Mote / Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CA23 (0.0 - 0.5)		n.a.	n. r.		0		**Organic Soil (OL/OH)**: Very dark brown, rootlets. (TOPSOIL).	FID Background = 0.8 ppm
C032CA24 (0.5 - 2.0)		n.a.	n. r.	4.9	1			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2		**Sand (SP)**: Light olive brown [2.5Y 5/6], medium grained sand, rounded, dry, polymictic. (FILL).	
C032CA25 (2.0 - 4.0)					3			
					4			
				1.9			**Clay (CL)**: Very dark gray [5Y 3/1], dry, shell fragments. (BAY MUD).	
		n.a.	n. r.		5			
					6			
					7		at 7.0 ft.: wet.	
				-1.4			**Sand (SP)**: Dark gray [5Y 4/1], (BAY SEDIMENT).	
				-1.6	8		**TOTAL DEPTH = 8.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-61

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:55:59 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-62

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-16-02	05-16-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,301.3 E 1,480,283.4	6.3 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / 1.3ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# ELOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CA27 (0.0 - 0.5)		n.a.	n. r.	5.8	0		**Organic Soil (OL/OH)**: grass with rootlets. (TOPSOIL).	FID Background – 1.5 ppm
C032CA28 (0.5 - 2.0)		n.a.	n. r.		1		**Clayey Sand (SC)**: Olive brown [2.5Y 4/4], medium grained sand, subrounded, moist, polymictic. (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.	3.8	2			
C032CA29 (2.0 - 4.0)					3		**Clay (CL)**: Dark grayish brown [2.5Y 4/2], stiff, with minor Sand, shell fragments. (FILL).	
					4			
		n.a.	n. r.	1.3	5		**Sand (SP)**: Dark gray [5Y 4/1], wet, polymictic. (FILL).	
C032CA30 (4.0 - 8.0)					6			
					7			
				-1.2			**Clay (CL)**: Very dark gray [5Y 3/1], clean, fine, laminated. (BAY MUD).	
				-1.7	8			

TOTAL DEPTH = 8.0 FEET

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 3/21/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-62

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:09:04 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-63

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-14-02	05-14-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 474,591.0 E 1,480,285.6	6.6 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 4.4 ft / 2.2ft	n.a.	Tim Mote / Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CA31 (0.0 - 0.5)		n.a.	n. r.				Organics, cobbles (cement), pebbles, light olive sand, stiff clay, mixture of colors Light olive brown [2.5Y 5/6] to Strong brown [2.5Y 3/R]. (CONSTRUCTION FILL).	FID Background = 1.2 ppm
C032CA33 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
C032CA32 (0.5 - 2.0)		n.a.	n. r.					
		n.a	n. r.		2			
C032CA34 (2.0 - 4.0)					3			
				3.2			**Sand (SP)**: Light olive brown [2.5Y 5/6], rounded, poorly graded, dry, (FILL).	
					4			
				2.2			**Clay (CL)**: Dark gray [5Y 4/1], wet, (FILL).	
				1.8	5		**Sand (SP)**: Light olive brown [2.5Y 5/6], rounded, poorly graded, (FILL).	
		n.a.	n. r.	1.4			**Clay (CL)**: Very dark gray [5Y 3/1], (BAY MUD).	
C032CA35 (4.0 - 8.0)					6			
					7			
				-1.2				
				-1.4	8		**Sand (SP)**: Dark gray [2.5Y 4/1], (BAY SEDIMENT).	

TOTAL DEPTH = 8.0 FEET

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-63

Report form: CTO-032 ALAMEDA BORING LOG Time: 8:11:38 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-64

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-22-02	05-22-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 471,099.1 E 1,480,576.7	6.4 ft	9.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY / REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 6.0 ft / 0.4ft ▼	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete.	PID Background = 0.0 ppm
C032CA36 (0.0 - 0.5)		n.a.	n. r.	5.4	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, trace of clay. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CA37 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CA38 (2.0 - 4.0)					4			
					5		at 5.0 ft.: Dark greenish gray [5GY 4/1].	
		n.a.	n. r.		6		at 6.0 ft.: wet.	
C032CA39 (4.0 - 8.0)				-0.6	7		**Clay (CL)**: Black [7.5YR 2.5/1], soft, wet, (BAY MUD).	
					8			
				-2.6	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-64

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:09:15 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-65

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-22-02	05-22-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 471,390.5 E 1,480,575.1	7.3 ft	9.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 6.5 ft / 0.8ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete.	FID Background = 0.0 ppm
C032CA40 (0.0 - 0.5)		n.a.	n. r.	6.3	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CA41 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CA42 (2.0 - 4.0)					4			
					5		at 5.0 ft.: Dark greenish gray [5GY 4/1].	
		n.a.	n. r.		6			
							at 6.5 ft.: wet.	
C032CA44 (4.0 - 8.0) C032CA43 (4.0 - 8.0)					7			
					8			
				-1.7	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L STUMPENHAUST · No. 4451 · 5/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-65

Report form: CTO-032 ALAMEDA BORING LOG Time: 10:02:01 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-66

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-22-02	05-22-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,680.6 E 1,480,579.1	8.2 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 1.2ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.2	1		Concrete.	FID Background = 0.0 ppm
C032CA45 (0.0 - 0.5)		n.a.	n. r.				Sand (SP): Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CA46 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CA47 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032CA48 (4.0 - 8.0)					7		at 7.0 ft.: wet.	
					8		at 7.5 ft.: Dark greenish gray [5GY 4/1].	
				-0.8	9			
							TOTAL DEPTH = 9.0 FEET	

REGISTERED GEOLOGIST
CATHIE L. STUMPENHAUS
No. 4451
2/29/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-66

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:09:27 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-67

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-16-02	05-16-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 471,982.1 E 1,480,577.8	8.4 ft	8.7 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 7.0 ft / 1.4ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.8	0		**Concrete**.	FID Background = 0.0 ppm
C032CA49 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist to wet, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CA50 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CA51 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032CA52 (4.0 - 8.0)					7		at 7.0 ft.: wet.	
					8		at 7.5 ft.: Dark greenish gray [5GY 4/1].	
				-0.1 -0.3			**Clay (CH)**: Black [7.5YR 2.5/1], wet, high plasticity, (BAY MUD).	
							TOTAL DEPTH = 8.7 FEET	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-67

Report form: CTO-032 ALAMEDA BORING LOG Time: 10:04:46 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-68

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-23-02	05-23-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,202.6 E 1,480,577.2	8.0 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 1.0ft	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.0	1		**Concrete**: Over aggregate base.	PID Background = 0.0 ppm
C032CA54 (0.0 - 0.5)		n.a.	n. r.				**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, trace of sea shells. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CA55 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CA56 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032CA57 (4.0 - 8.0)					7		at 7.0 ft.: wet.	
					8		at 7.5 ft.: Dark greenish gray [5GY 4/1].	
				-1.0	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-68

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:09:40 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-69

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-15-02	05-15-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 472,555.0 E 1,480,642.2	8.0 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 6.0 ft / 2.0ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CA58 (0.0 - 0.5)		n.a.	n. r.		0		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, trace of fine gravel. (FILL).	FID Background = 0.0 ppm
C032CA59 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032CA60 (2.0 - 4.0)					3			
					4			
		n.a.	n.r.		5		at 5.0 ft.: trace of sea shells.	
C032CA61 (4.0 - 8.0)					6		at 6.0 ft.: wet.	
					7			
				0.0	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-69

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:09:45 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-70

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-15-02	05-15-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 472,847.5 E 1,480,577.1	9.9 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY / REVIEWED BY**	**ANGLE (from Horiz.)**	**HOLE DIAMETER**
▽ Not Encountered	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CA62 (0.0 - 0.5)		n.a.	n. r.		0		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	FID Background = 0.0 ppm
C032CA63 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032CA64 (2.0 - 4.0)					3			
				5.9	4		**Gravel with Sand (GP)**: Dark yellowish brown [10YR 4/6], poorly graded, moist to wet, gravel to 1/2 inch in diameter, trace of clay. (FILL).	
				5.1			**Sand (SP)**: Olive [5Y 4/4], fine grained sand, poorly graded, moist to wet, (FILL).	
		n.a.	n. r.		5			
C032CA66 (4.0 - 8.0) C032CA65 (4.0 - 8.0)					6			
					7			
				1.9	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 12/31/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-70

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:09:51 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-71

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-15-02	05-15-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,152.6 E 1,480,577.4	8.4 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.8 ft / 0.6ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CA67 (0.0 - 0.5)		n.a.	n. r.				**Organic Soil (OL/OH)**: (TOPSOIL).	FID Background = 2.2 ppm
				7.6	1		**Sand (SW)**: Light olive brown [2.5Y 5/6], fine to medium grained sand, rounded, polymictic. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CA68 (0.5 - 2.0)		n.a.	n. r.					
		n.a.	n. r.		2			
C032CA69 (2.0 - 4.0)				5.4	3		**Sand (SP)**: Light olive brown [2.5Y 5/6], medium grained sand, rounded, dry, (FILL).	
					4			
		n.a	n. r.		5		at 4.8 ft.: Strong brown [7.5YR 5/8], coarse grained lense approximately 0.1 foot.	
C032CA70 (4.0 - 8.0)					6			
					7			
				0.4	8		at 7.5 ft.: Dark gray [5Y 4/1]. at 7.8 ft.: wet.	
							TOTAL DEPTH = 8.0 FEET	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-71

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:09:57 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-72

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-15-02	05-15-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,426.8 E 1,480,613.0	9.5 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 3.5ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				9.0			**Asphalt**.	FID Background = 1.4 ppm
C032CA71 (0.0 - 0.5)		n.a.	n. r.	8.5	1		**Fill** (ROAD BASE).	
C032CA72 (0.5 - 2.0)		n.a	n. r.		2		**Sand (SP)**: Light olive brown [2.5Y 5/6], medium grained sand, rounded, dry, (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		3		at 2.5 ft.: Strong brown [7.5YR 5/8], interbedded layer of coarse fraction.	
C032CA73 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: wet.	
C032CA74 (4.0 - 8.0)					7			
					8			
				1.0			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · No. 4451 · Exp 4/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-72

Report form: CTO-032 ALAMEDA BORING LOG Time: 8:16:45 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-73

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-15-02	05-15-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 473,717.7 E 1,480,579.2	5.9 ft	8.3 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz.)**	**HOLE DIAMETER**
▽ 3.0 ft / 2.9ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CA75 (0.0 - 0.5)		n.a.	n. r.	5.7	0		**Asphalt.**	FID Background = 0.0 ppm
					1		**Gravel with Sand (GW)**: Light olive brown [2.5Y 5/4], well graded, moist, (FILL).	
C032CA77 (0.5 - 2.0) C032CA76 (0.5 - 2.0)				4.4	2		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.	2.9	3		**Clayey Sand (SC)**: Olive brown [2.5Y 4/4], fine to coarse grained sand, wet, trace of gravel up to 1 inch in diameter. (FILL).	
C032CA78 (2.0 - 4.0)				1.4	4		**Sand (SP)**: Dark greenish gray [5G 4/1], fine grained sand, poorly graded, moist to wet, trace of rounded gravel up to 1.5 inch in diameter. (FILL). at 5.0 ft.: brick.	
		n.a.	n. r.		5			
C032CA79 (4.0 - 8.0)					6			
					7			
				-2.3	8		**TOTAL DEPTH = 8.3 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · No. 4451 · Exp. 7/31/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-73

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:10:10 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-74

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-15-02	05-15-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,008.9 E 1,480,576.8	5.7 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.0 ft / 1.7ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				5.2			**Asphalt**.	FID Background = 0.8 ppm
C032CA80 (0.0 - 0.5)		n.a.	n. r.	4.7	1		**Organic Soil (OL/OH)**: Very dark brown [10YR 2/2], clay, rich, twigs. (TOPSOIL).	
C032CA81 (0.5 - 2.0)		n.a.	n. r.		2		**Sand (SP)**: Dark gray [5Y 4/1], medium grained sand, rounded, dry, polymictic. (FILL). at 2.0 ft.: moist.	Hole backfilled with cement-bentonite grout after completion.
C032CA82 (2.0 - 4.0)		n.a.	n. r.		3			
					4		at 4.0 ft.: wet.	
		n.a.	n. r.	1.2	5		**Clay (CL)**: Very dark gray [5Y 3/1], wet, slight sand intermixed near contacts. (BAY MUD).	
					6			
					7			
				-1.8	8		**Sand (SP)**: Very dark gray [5Y 3/1], (BAY SEDIMENT).	
				-2.8			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L STUMPENHAUS · No. 4451 · Exp. 6/21/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-74

Report form: CTO-032 ALAMEDA BORING LOG Time: 10:08:30 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-75

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-20-02	05-20-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,260.1 E 1,480,566.9	6.2 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / -0.8ft	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				5.7	0		**Topsoil**.	FID Background = 0.0 ppm
C032CA84 (0.0 - 0.5)		n.a.	n. r.		1		**Silty Clay (CL)**: Very dark brown [10YR 2/2], moist, low plasticity, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CA85 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CA86 (2.0 - 4.0)					4		at 4.5 ft.: trace of gravel.	
				1.2	5		**Sandy Clay (CL)**: Olive brown [2.5Y 4/4], fine grained sand, low plasticity, (FILL).	
		n.a.	n. r.		6			
C032CA88 (4.0 - 8.0) / C032CA87 (4.0 - 8.0)				-0.8	7		**Sand (SP)**: Dark greenish gray [5GY 4/1], fine grained sand, poorly graded, wet, (FILL).	
				-2.3	8		**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-75

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:10:22 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-76

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-20-02	05-20-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,591.7 E 1,480,576.5	8.4 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ Not Encountered	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# ELOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.9	0		Topsoil.	FID Background = 0.0 ppm
C032CA89 (0.0 - 0.5)		n.a.	n. r.		1		Sand (SP): Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, trace of tree roots. (FILL).	
C032CA90 (0.5 - 2.0)					2			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		3			
C032CA91 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032CA92 (4.0 - 8.0)				2.4			Sandy Clay (CL): Olive brown [2.5Y 4/4], moist, trace of gravel up to 1.5 inch in diameter. (FILL).	
				1.4	7		Sand (SP): Dark greenish gray [5GY 4/1], fine grained sand, poorly graded, (FILL).	
					8			
				-0.1			TOTAL DEPTH = 8.5 FEET	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-76

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:10:27 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-77

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-22-02	05-22-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,053.6 E 1,480,867.8	8.1 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 7.0 ft / 1.1ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (#ELOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.1	1		**Concrete**. Over aggregate base	FID Background = 0.0 ppm
C032CA93 (0.0 - 0.5)		n.a.	n. r.		2		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CA94 (0.5 - 2.0)					3			
		n.a.	n. r.	4.1	4		**Gravel with Clay and Sand (GC)**: Olive brown [2.5Y 4/4], poorly graded, gravels up to 1 inch in diameter. (FILL).	
C032CA95 (2.0 - 4.0)					5			
		n.a.	n. r.		6			
C032CA96 (4.0 - 8.0)					7		at 7.0 ft.: wet.	
				0.6	8		**Sand (SP)**: Dark greenish gray [5GY 4/1], (FILL).	
				-0.9	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · 4/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-77

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:10:33 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-78

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-22-02	05-22-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,386.5 E 1,480,849.7	8.4 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.5 ft / 1.9ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete: Over aggregate base.	FID Background = 0.0 ppm
C032CA97 (0.0 - 0.5)		n.a.	n. r.	7.4	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CA99 (0.5 - 2.0) C032CA98 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CA00 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032CB01 (4.0 - 8.0)					7		at 6.5 ft.: wet. at 7.0 ft.: Dark greenish gray [5GY 4/1].	
					8			
				-0.6	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-78

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:10:39 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-79

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-23-02	05-23-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,735.3 E 1,480,872.9	7.8 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 6.0 ft / 1.8ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (#ELOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.3	0		**Concrete**: Over aggregate base.	FID Background = 0.0 ppm
C032CB02 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	
C032CB03 (0.5 - 2.0)					2			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		3			
C032CB04 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: wet.	
C032CB05 (4.0 - 8.0)					7		at 6.5 ft.: Dark greenish gray [5GY 4/1].	
				0.3	8		**Clay (CL)**: Black [N2], (BAY MUD).	
				-0.7			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L STUMPENHAUS · NO. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-79

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:10:46 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-80

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-23-02	05-23-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 471,972.2 E 1,480,867.6	8.5 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 6.0 ft / 2.5ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				8.0	0		**Concrete**: Over aggregate base.	FID Background = 0.0 ppm
C032CB06 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CB07 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CB08 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: wet.	
C032CB10 (4.0 - 8.0) / C032CB09 (4.0 - 8.0)					7		at 7.0 ft.: Dark greenish gray [5GY 4/1].	
					8			
				-0.1			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-80

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:10:51 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-81

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-16-02	05-16-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,263.1 E 1,480,867.7	10.3 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.9 ft / 5.4ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CB11 (0.0 - 0.5)		n.a.	n. r.	9.8	0		**Organic Soil (OL/OH)**: (TOPSOIL).	FID Background = 2.3 ppm
C032CB12 (0.5 - 2.0)		n.a.	n. r.		1		**Sand (SP)**: Light olive brown [2.5Y 5/6], medium grained sand, rounded, dry, polymictic. (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2		at 2.0 ft.: 0.6 foot occurence of cemented tar, cobble sized, dark brown globules, organic odor.	
C032CB13 (2.0 - 4.0)					3			
					4			
					5		at 4.5 ft.: moist. at 4.9 ft.: wet.	
		n.a.	n. r.		6			
C032CB14 (4.0 - 8.0)					7		at 6.5 ft.: 1 inch lense of Dark gray sand.	
				2.3	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 Exp. 4/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-81

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:10:58 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-82

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-16-02	05-16-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 472,572.2 E 1,480,868.5	9.2 ft	8.3 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 7.0 ft / 2.2ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CB15 (0.0 - 0.5)		n.a.	n. r.	8.8	0		**Concrete**: Over aggregate base.	FID Background = 0.0 ppm
					1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, (FILL).	
C032CB16 (0.5 - 2.0)					2			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		3			
C032CB17 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032CB18 (4.0 - 8.0)					7		at 7.0 ft.: wet.	
							at 7.5 ft.: Dark greenish gray [5GY 4/1].	
				1.2	8		**Clay (CL)**: Black [N2], wet, (BAY MUD).	
				0.8			**TOTAL DEPTH = 8.3 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-82

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:11:04 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-83

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-16-02	05-16-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,849.9 E 1,480,872.9	10.3 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 3.3ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CB19 (0.0 - 0.5)		n.a.	n. r.	9.8	0		**Asphalt**.	FID Background = 0.0 ppm
					1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CB21 (0.5 - 2.0) C032CB20 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CB22 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032CB23 (4.0 - 8.0)					7		at 7.0 ft.: wet.	
					8		at 7.5 ft.: Dark greenish gray [5GY 4/1].	
				1.8			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · 6/9 · 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-83

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:11:11 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-84

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-16-02	05-16-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,112.1 E 1,480,872.9	9.0 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.0 ft / 5.0ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CB24 (0.0 - 0.5)		n.a.	n. r.				**Organic Soil (OL/OH)**: fresh sod. (TOPSOIL).	FID Background = 2.0 ppm
				8.0	1		**Sand (SP)**: Light olive brown [2.5Y 5/6], medium grained sand, rounded, dry, polymicct. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CB25 (0.5 - 2.0)		n.a.	n. r.		2			
		n.a.	n. r.					
C032CB26 (2.0 - 4.0)					3			
					4		at 4.0 ft.: wet.	
		n.a.	n. r.		5			
C032CB27 (4.0 - 8.0)					6		at 5.8 ft.: 2 inch gray coarse sand lense.	
					7			
				1.5			**Clayey Sand (SC)**: Very dark gray [2.5Y 3/1], transition into bay mud. (BAY SEDIMENT).	
				1.0	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · CA · 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-84

Report form: CTO-032 ALAMEDA BORING LOG Time: 8:11:48 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-85

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-16-02	05-16-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,427.2 E 1,480,867.8	8.8 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / 3.8ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CB28 (0.0 - 0.5)		n.a.	n. r.	8.3	0		**Organic Soil (OL/OH)**: (TOPSOIL).	FID Background = 1.6 ppm
C032CB29 (0.5 - 2.0)		n.a.	n. r.		1		**Sand (SP)**: Light olive brown [2.5Y 5/6], fine to medium grained sand, minor fines, dry, polymictic, rootlets. (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032CB30 (2.0 - 4.0)					3		at 2.5 ft.: 0.5 foot layer of fines. at 3.0 ft.: coarse grained sand.	
					4		at 3.8 ft.: fine to medium grained sand.	
		n.a.	n. r.	3.8	5		**Clay (CL)**: Dark gray [5Y 4/1], wet, some sand horizons, laminated clay, clean, organic odor. (BAY MUD).	
C032CB32 (4.0 - 8.0) C032CB31 (4.0 - 8.0)					6			
					7			
				0.8	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-85

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:11:24 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-86

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-16-02	05-16-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,603.0 E 1,480,852.4	6.9 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.2 ft / 2.7ft	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CB33 (0.0 - 0.5)		n.a.	n. r.	6.4	0		**Organic Soil (OL/OH)**: rootlets. (TOPSOIL).	FID Background = 1.8 ppm
C032CB34 (0.5 - 2.0)		n.a.	n. r.		1		**Sand (SP)**: Light olive brown [2.5Y 5/6], fine to medium grained sand, rounded, dry, polymictic. (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2		at 1.8 ft.: intercalated Clay layers.	
C032CB35 (2.0 - 4.0)					3			
					4		at 4.2 ft.: wet.	
		n.a.	n. r.		5			
				1.4			**Clay (CL)**: Very dark gray [5Y 3/1], clean. (BAY MUD).	
C032CB36 (4.0 - 8.0)					6			
					7			
				-1.1	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L STUMPENHAUS · No. 4451 · 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-86

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:11:30 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-87

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-16-02	05-16-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,010.2 E 1,480,867.7	6.4 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.0 ft / 2.4ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CB37 (0.0 - 0.5)		n.a.	n. r.	5.9	0		**Organic Soil (OL/OH)**. rootlets. (TOPSOIL).	FID Background = 1.2 ppm
C032CB38 (0.5 - 2.0)		n.a.	n. r.		1		**Sand (SP)**: Light olive brown [2.5Y 5/6], fine to medium grained sand, rounded, polymictic. (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2		at 1.5 ft.: moist.	
C032CB39 (2.0 - 4.0)					3			
					4		at 4.0 ft.: wet.	
		n.a.	n. r.		5			
C032CB40 (4.0 - 8.0)					6		at 6.5 ft.: Dark gray [5Y 4/1].	
					7			
				-1.6	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST
CATHIE L. STUMPENHAUS
No. 4451
5-4-2/29/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-87

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:11:37 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-88

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-16-02	05-16-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,301.4 E 1,480,863.3	5.2 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ Not Encountered	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CB41 (0.0 - 0.5)		n.a.	n. r.	4.7	0		**Organic Soil (OL/OH)**: (TOPSOIL).	FID Background = 1.4 ppm
C032CB43 (0.5 - 2.0) / C032CB42 (0.5 - 2.0)		n.a.	n. r.		1		**Sand (SP)**: Light olive brown [2.5Y 5/3], fine grained sand, dense, rootlets. (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.	3.2	2		**Clayey Sand (SC)**: Olive brown [2.5Y 4/4], subrounded, moist, shell fragments, polymictic. (FILL).	
C032CB44 (2.0 - 4.0)					3			
					4			
		n.a.	n. r.		5			
C032CB45 (4.0 - 8.0)					6			
				-1.3	7		**Clay (CL)**: Very dark gray [5Y 3/1], clean. (BAY MUD).	
				-2.3			**Sand (SP)**: Dark gray [5Y 4/1], moist, (BAY SEDIMENT).	
				-2.8	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-88

Report form: CTO-032 ALAMEDA BORING LOG Time: 10:15:58 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-89

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-20-02	05-20-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,579.3 E 1,480,868.1	7.0 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 0.0ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CB46 (0.0 - 0.5)		n.a.	n. r.	6.8	0		**Topsoil.**	FID Background = 0.0 ppm
							Sand (SP): Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, trace of gravel, trace of tree roots. (FILL).	
C032CB47 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032CB48 (2.0 - 4.0)					3			
					4			
		n.a.	n. r.		5			
				1.5			**Clayey Gravel with Sand (GC)**: poorly graded, gravel up to 1.5 inch in diameter. (FILL).	
C032CB49 (4.0 - 8.0)					6			
				0.5			**Clayey Sand (SC)**: Dark greenish gray [5GY 4/1], fine grained sand, poorly graded, wet, (FILL).	
					7			
				-1.1	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · No. 4461 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-89

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:11:50 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-90

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-23-02	05-23-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,707.8 E 1,481,159.6	8.6 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 1.6ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.6	1		**Concrete**.	FID Background = 0.0 ppm
C032CB50 (0.0 - 0.5)		n.a.	n. r.				**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CB51 (0.5 - 2.0)					2			
				5.6	3		**Clay (CL)**: Olive brown [2.5Y 4/4], soft, moist to wet, with fine grained sand. (FILL).	
		n.a.	n. r.	5.1			**Sand (SP)**: Olive brown [2.5Y 4/4], poorly graded, moist to wet, (FILL).	
C032CB52 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
							at 6.5 ft.: Dark greenish gray [5GY 4/1].	
C032CB54 (4.0 - 8.0) C032CB53 (4.0 - 8.0)					7		at 7.0 ft.: wet.	
					8			
				-0.4	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 4/27/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-90

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:11:56 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-91

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-16-02	05-16-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,019.0 E 1,481,146.6	9.3 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 3.3ft	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				8.3	1		**Concrete**.	PID Background = 3.2 ppm
C032CB55 (0.0 - 0.5)		n.a.	n. r.	8.1			2 inch wet layer of coarse pebbles associated with pre-core. (ROAD BASE).	Hole backfilled with cement-bentonite grout after completion.
C032CB56 (0.5 - 2.0)		n.a.	n. r.		2		**Sand (SP)**: Light olive brown [2.5Y 5/6], medium grained sand, rounded, dry, polymictic, with minor clay lenses. (FILL).	
		n.a.	n. r.		3			
C032CB57 (2.0 - 4.0)					4			
					5		at 4.5 ft.: moist. at 5.0 ft.: 1 inch Dark gray Clay lense.	
		n.a.	n. r.		6		at 6.0 ft.: wet.	
C032CB58 (4.0 - 8.0)					7			
				1.8	8		**Clay (CL)**: Very dark gray [5Y 3/1], wet, organic odor. (BAY MUD).	
				0.3	9			

TOTAL DEPTH = 9.0 FEET

REGISTERED GEOLOGIST · CATHIE L STUMPENHAUST · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-91

Report form: CTO-032 ALAMEDA BORING LOG Time: 8:11:54 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-92

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-31-02	05-31-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,250.0 E 1,481,160.0	8.7 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 1.7ft	n.a.	Stephen Quayle	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				8.2	0		**Asphalt**: Over base rock.	
C032CB59 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CB60 (0.5 - 2.0)				7.2	2		**Sandy Clay (CL)**: Dark olive gray [5Y 3/2], fine grained sand, moist, trace fine gravel. no hydrocarbon odor (FILL).	
		n.a.	n. r.	6.2	3		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL).	
C032CB61 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032CB62 (4.0 - 8.0)					7		at 7.0 ft.: wet.	
				0.2	8			
							TOTAL DEPTH = 8.5 FEET	

REGISTERED GEOLOGIST · CATHIE L STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-92

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:12:09 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-93

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-16-02	05-16-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,554.4 E 1,481,153.1	8.2 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 1.2ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CB63 (0.0 - 0.5)		n.a.	n. r.	7.9	0		**Topsoil.**	FID Background = 0.0 ppm
C032CB65 (0.5 - 2.0) C032CB64 (0.5 - 2.0)					1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, dry, trace of gravel. (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032CB66 (2.0 - 4.0)					3			
					4			
				3.7			**Clay (CL)**: Dark gray [N4], soft, moist to wet, medium plasticity, (FILL).	
		n.a.	n. r.	3.2	5		**Sand (SP)**: Olive brown [2.5Y 4/4], poorly graded, moist to wet, (FILL).	
C032CB67 (4.0 - 8.0)					6			
				1.2	7		**Clay (CH)**: Black [N2], wet, (BAY MUD).	
				0.2	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · 4/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-93

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:12:16 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-94

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-28-02	05-28-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,845.0 E 1,481,144.4	8.7 ft	8.3 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ Not Encountered	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CB68 (0.0 - 0.5)		n.a.	n. r.	8.5	0		**Topsoil.**	FID Background = 0.0 ppm
C032CB69 (0.5 - 2.0)					1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, trace of roots, trace of clay. (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032CB70 (2.0 - 4.0)					3			
					4			
		n.a.	n. r.		5		at 5.5 ft.: with medium to coarse grained sand, trace of fine gravel up to 1 inch in diameter.	
C032CB71 (4.0 - 8.0)					6			
					7			
				0.5	8		**TOTAL DEPTH = 8.3 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-94

Report form: CTO-032 ALAMEDA BORING LOG Time: 10:20:02 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-95

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-2	Alameda Point	05-31-02	05-31-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 473,156.3 E 1,481,156.3	7.5 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 5.0 ft / 2.5ft	n.a.	Eric Johansen / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.0	0		**Topsoil**: Silty Sand.	FID Background = 0.0 ppm
C032CB72 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Strong brown [7.5YR 4/6], fine grained sand, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CB73 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CB74 (2.0 - 4.0)					4			
					5		at 5.0 ft.: wet.	
		n.a.	n. r.		6		at 6.0 ft.: Very dark gray [5Y 3/1].	
C032CB76 (4.0 - 8.0) C032CB75 (4.0 - 8.0)					7			
				0.0	8		**Clay (CL)**: Dark olive gray [5Y 3/2], wet, low plasticity, (BAY MUD).	
				-1.1			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-95

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:12:26 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-96

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-2	Alameda Point	05-31-02	05-31-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,451.0 E 1,481,158.9	7.6 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 0.6ft ▼	n.a.	Eric Johansen	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.1	0		**Concrete**.	FID Background = 0.0 ppm
C032CB77 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Brown [10YR 4/3], fine grained sand, moist, (FILL).	Surface - Concrete - Hand auger to 5 feet.
C032CB78 (0.5 - 2.0)					2			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		3			
C032CB79 (2.0 - 4.0)				3.6	4		**Silty Sand (SM)**: Reddish brown [5YR 4/3], fine grained sand, moist, (FILL).	
					5		at 5.0 ft.: Dark grayish brown [2.5Y 4/2].	
		n.a.	n. r.	1.6	6		**Sand (SP)**: Dark gray [5Y 4/1], fine grained sand, (FILL).	
C032CB80 (4.0 - 8.0)					7		at 7.0 ft.: wet.	
				0.1	8		**Clay (CL)**: Very dark gray [5Y 3/1], wet, low plasticity, (BAY MUD).	
				-0.9			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-96

Report form: CTO-032 ALAMEDA BORING LOG Time: 8:12:01 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-97

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-30-02	05-30-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 473,661.3 E 1,481,148.8	7.7 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 7.0 ft / 0.7ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.2	0		**Topsoil**.	FID Background = 0.0 ppm
C032CB81 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, trace of clay, trace of fine gravel. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CB82 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CB83 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032CB84 (4.0 - 8.0)					7		at 7.0 ft.: wet.	
					8			
				-0.9			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-97

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:12:38 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-98

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-29-02	05-29-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,966.9 E 1,481,155.0	6.6 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / -0.5ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				6.1	0		**Topsoil**.	FID Background = 0.0 ppm
C032CB85 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, trace of sea shells, trace of gravel up to 0.5 inch in diameter. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CB87 (0.5 - 2.0) C032CB86 (0.5 2.0)					2			
		n.a.	n. r.		3			
C032CB88 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032CB89 (4.0 8.0)					7		at 6.5 ft.: Dark greenish gray [5GY 4/1]. at 7.0 ft.: wet.	
				-1.0	8		**Clay (CL)**: Dark greenish gray [5GY 4/1], wet, (BAY MUD).	
				-2.0			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-98

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:12:45 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-99

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-29-02	05-29-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,272.0 E 1,481,152.5	5.5 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 7.0 ft / -1.5ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CB90 (0.0 - 0.5)		n.a.	n. r.	5.0	1		**Topsoil**.	FID Background = 0.0 ppm
C032CB91 (0.5 - 2.0)					2		**Clayey Gravel with Sand (GC)**: Reddish yellow [5YR 6/8], poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CB92 (2.0 - 4.0)		n.a.	n. r.	3.0	3		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	
C032CB93 (4.0 - 8.0)		n.a.	n. r.		4 5 6			
				-1.5	7		**Clay (CL)**: Dark greenish gray [5GY 4/1], wet, (BAY MUD).	
				-3.0	8		**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST CATHIE L. STUMPENHAUST No. 4451 EXP. 2/29/04 STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-99

Report form: CTO-032 ALAMEDA BORING LOG Time: 9:12:50 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-100

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-23-02	05-23-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 471,681.8 E 1,481,445.6	9.0 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 3.0ft	n.a.	Karl Brunkhorst	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete.	FID Background = 0.0 ppm
C032CB94 (0.0 - 0.5)		n.a.	n. r.	8.0	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CB95 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CB96 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: Dark greenish gray [5GY 4/1], saturated.	
C032CB98 (4.0 - 8.0) C032CB97 (4.0 - 8.0)					7			
				1.0	8		**Clay (CL)**: Black [7.5YR 2.5/1], saturated, (BAY MUD).	
				0.0	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-100

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:06:27 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-101

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-23-02	05-23-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 472,031.8 E 1,481,449.4	9.8 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ not encountered	n.a.	Karl Brunkhorst	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CB99 (0.0 - 0.5)		n.a.	n.r.	9.3	0		**Topsoil**: and road base.	PID Background = 0.0 ppm
C032CB00 (0.5 - 2.0)					1		**Sandy clay (CL)**: Olive brown [2.5Y 4/4], fine grained sand, trace fine gravel, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CC01 (2.0 - 4.0)		n.a.	n.r.		2			
					3			
					4			
					5			
C032CC02 (4.0 - 8.0)		n.a.	n. r.		6			
					7			
					8			
				1.3			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L STUMPENHAUST · No. 4451 · 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-101

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:06:33 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-102

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-28-02	05-28-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 472,283.3 E 1,481,475.9	9.2 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ Not Encountered	n.a.	Karl Brunkhorst	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CC03 (0.0 - 0.5)		n.a.	n.r.		0		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, trace shell fragments. (FILL).	FID Background = 0.0 ppm
C032CC04 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
		n a	n r		2			
C032CC05 (2.0 - 4.0)					3			
					4			
				4.4	5		**Sandy clay (CL)**: Strong brown [7.5YR 5/8], trace fine gravel, dry, (FILL).	
		n.a.	n.r.					
C032CC06 (4.0 - 8.0)					6			
				2.8			**Sand (SP)**: Olive brown [2.5Y 4/4], poorly graded, moist, (FILL).	
					7			
				1.6			**Clay (CL)**: Dark greenish gray [5GY 4/1], wet, (BAY MUD).	
				1.2	8			

TOTAL DEPTH = 8.0 FEET

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · 4/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-102

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:06:38 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-103

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-31-02	05-31-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 472,555.2 E 1,481,453.5	9.2 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 2.5 ft / 6.7ft	n.a.	Stephen Quayle	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CC07 (0.0 - 0.5)		n.a.	n.r.	8.7	0		**Organic Soil (OL)**: dry, low plasticity, no hydrocarbon odor (TOPSOIL).	FID Background = 2.57 ppm
C032CC09 (0.5 - 2.0) C032CC08 (0.5 - 2.0)		n.a.	n.r.		1		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CC10 (2.0 - 4.0)		n.a.	n.r.		2		at 2.5 ft.: Dark greenish gray [5GY 4/1] with Light olive brown [2.5Y 5/4] mottling, trace fine gravel, wet.	
C032CC11 (4.0 - 8.0)				1.2	3			
					4			
					5			
					6			
					7			
					8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · No. 4451 · 5/4.2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-103

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:06:44 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-104

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-2	Alameda Point	05-31-02	05-31-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 472,814.6 E 1,481,472.4	9.4 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 6.5 ft / 2.9ft ▼	n.a.	Eric Johansen / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				8.9	0		**Silt (ML)**: (TOPSOIL).	FID Background = 0.0 ppm
C032CC12 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Olive brown [2.5Y 4/3], fine grained sand, poorly graded, moist, (FILL). minor shell fragments	Hole backfilled with cement-bentonite grout after completion.
C032CC13 (0.5 - 2.0)				7.4	2		**Silty sand (SM)**: Very dark grayish brown [2.5Y 3/2], fine grained sand, minor fine gravel, moist, (FILL).	
C032CC14 (2.0 - 4.0)		n.a.	n. r.		3			
					4			
				4.4	5		**Clayey sand (SC)**: Olive brown [2.5Y 4/3], fine grained sand, moist, (FILL).	
C032CC15 (4.0 - 8.0)		n.a.	n.r.		6			
				2.9	7		**Clayey Sand (SC)**: Dark gray [N4], saturated, (BAY MUD).	
					8			
				0.9			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · No. 4451 · Exp. 12/31/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-104

Report form: CTO-032 ALAMEDA BORING LOG Time: 8:10:31 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-105

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-2	Alameda Point	05-31-02	05-31-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 473,148.5 E 1,481,451.2	8.1 ft	10.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 1.1ft ▼	n.a.	Eric Johansen	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
		n.a.	n.r.		1		**Silty gravel (GM)**: fine gravel, (ROADBASE).	FID Background = 0.0 ppm
				6.6				Hole backfilled with cement-bentonite grout after completion.
C032CC16 (0.0 - 0.5)		n.a.	n. r.		2		**Sand (SP)**: Yellowish brown [10YR 5/6], fine grained sand, moist, (FILL).	
C032CC17 (0.5 - 2.0)					3		at 3.6 ft.: Very dark grayish brown [2.5Y 3/2].	
C032CC18 (2.0 - 4.0)		n.a.	n. r.		4			
					5		at 5.0 ft.: Very dark gray [N3].	
					6			
C032CC20 (4.0 - 8.0) C032CC19 (4.0 - 8.0)		n.a.	n. r.		7		at 7.0 ft.: saturated.	
					8			
					9			
				-1.4			**Clay (CL)**: Very dark gray [5Y 3/1], saturated, low plasticity, (BAY MUD).	
				-1.9	10			
							TOTAL DEPTH = 10.0 FEET	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 3/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-105

Report form: CTO-032 ALAMEDA BORING LOG Time: 8:10:59 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-106

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-2	Alameda Point	05-31-02	05-31-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 473,432.9 E 1,481,451.3	8.7 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 5.0 ft / 3.7ft	n.a.	Eric Johansen / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.9	0		**Silt with sand (ML)**: Very dark grayish brown [2.5Y 3/2], moist, with roots. (TOPSOIL).	FID Background = 0.0 ppm
C032CC21 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Light yellowish brown [2.5Y 6/4], fine grained sand, dry, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CC22 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CC23 (2.0 - 4.0)					4			
					5		at 5.0 ft.: saturated.	
		n.a.	n.r.		6			
C032CC24 (4.0 8.0)								
				1.7	7		**Clayey sand (SC)**: Very dark gray [5Y 3/1], fine grained sand, saturated, low plasticity, (BAY MUD).	
				0.2	8			
							TOTAL DEPTH = 8.5 FEET	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · No. 4451 · Exp. 6/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-106

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:07:02 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-107

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-30-02	05-30-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 473,712.6 E 1,481,439.3	6.8 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ not encountered	n.a.	Karl Brunkhorst / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CC25 (0.0 - 0.5)		n.a.	n.r.				**Clay (CL)**: Dark brown [7.5YR 3/2], trace fine grained sand, hard, moist, trace roots. (FILL).	FID Background = 0.0 ppm
C032CC26 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
		n.a	n.r.		2			
C032CC27 (2.0 - 4.0)					3			
					4			
		n.a.	n.r.		5		at 5.0 ft.: some fine and coarse gravel.	Poor recovery due to gravel and roots.
C032CC28 (4.0 - 8.0)					6			
					7			
				-1.2	8		**TOTAL DEPTH = 8.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-107

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:07:08 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-108

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-29-02	05-29-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 474,038.2 E 1,481,462.2	5.5 ft	8.7 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / -1.5ft	n.a.	Karl Brunkhorst	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				5.3	0		**Asphalt**: over road base.	PID Background – 0.0 ppm
C032CC29 (0.0 - 0.5)		n.a.	n. r.	4.9	1		**Clayey gravel with sand (GC)**: Reddish yellow [7.5YR 6/8], poorly graded, moist, (FILL)	Hole backfilled with cement-bentonite grout after completion.
C032CC31 (0.5 - 2.0) C032CC30 (0.5 - 2.0)					2			
		n.a.	n. r.	2.7	3		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	
C032CC32 (2.0 - 4.0)					4			
					5			
		n.a.	n.r.		6			
C032CC33 (4.0 - 8.0)					7		at 7.0 ft.: Dark greenish gray [5GY 4/1], saturated.	
					8			
				-3.1			**TOTAL DEPTH = 8.7 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-108

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:07:12 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-109

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-29-02	05-29-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 474,305.5 E 1,481,456.7	4.6 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ not encountered	n.a.	Karl Brunkhorst	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CC34 (0.0 - 0.5)		n.a.	n. r.	4.4	0		**Asphalt**: over road base.	FID Background – 0.0 ppm
				4.1			**Clayey gravel with sand (GC)**: Reddish yellow [7.5YR 6/8], poorly graded, moist, (FILL).	
C032CC35 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.	1.8	2		**Sand (SP)**: Dark greenish gray [5GY 4/1], fine grained sand, poorly graded, moist, (FILL).	
C032CC36 (2.0 - 4.0)					3			
					4			
					5			
		n.a.	n.r.		6			
C032CC37 (4.0 8.0)					7		at 7.5 ft.: trace clay.	
				-3.9	8			
							TOTAL DEPTH = 8.5 FEET	

REGISTERED GEOLOGIST
CATHIE L. STUMPENHAUS
No. 4451
Exp. 2/29/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-109

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:07:18 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-110

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-23-02	05-23-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 471,973.2 E 1,481,736.3	8.6 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 1.6ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				8.1	0		**Asphalt**: over road base.	FID Background = 0.0 ppm
C032CC38 (0.0 - 0.5)		n.a.	n. r.	7.6	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, trace clay, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CC39 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CC40 (2.0 - 4.0)					4			
					5		at 5.0 ft.: Dark greenish gray [5GY 4/1], with shell fragments.	
		n.a.	n.r.		6			
C032CC42 (4.0 - 8.0) C032CC41 (4.0 - 8.0)					7		at 7.0 ft.: saturated.	
					8			
				-0.4	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-110

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:07:25 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-111

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-28-02	05-28-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 472,263.3 E 1,481,736.7	9.5 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ not encountered	n.a.	Karl Brunkhorst / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				9.3	0		**Asphalt**: over road base.	FID Background = 0.0 ppm
C032CC43 (0.0 - 0.5)		n.a.	n. r.	9.0	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CC44 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CC45 (2.0 - 4.0)					4			
					5		at 5.0 ft.: Dark greenish gray [5GY 4/1], trace clay.	
		n.a.	n.r.		6			
C032CC46 (4.0 - 8.0)					7			
					8			
				1.0			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · DANIEL L STUMPENHAUS · No. 4451 · 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-111

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:07:30 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-112

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-31-02	05-31-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 472,561.9 E 1,481,739.6	9.8 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz.)**	**HOLE DIAMETER**
▽ 6.5 ft / 3.3ft	n.a.	Stephen Quayle / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				9.6			**Concrete**: over road base.	FID Background = 3.10 ppm
C032CC47 (0.0 - 0.5)		n.a.	n. r.	9.3	1		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CC48 (0.5 - 2.0)					2			
		n.a.	n. r.	6.8	3		**Sand (SW)**: Olive [5Y 5/3], fine to coarse grained sand, some fine gravel, moist, thin interbedded clay layers. no hydrocarbon odor (FILL).	
C032CC49 (2.0 - 4.0)					4			
		n.a.	n.r.	4.8	5		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL).	
C032CC50 (4.0 - 8.0)					6		at 6.5 ft.: wet.	
					7		at 7.0 ft.: Dark greenish gray [5GY 4/1].	
					8			
				1.3			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 3/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-112

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:07:36 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-113

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-31-02	05-31-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 472,871.2 E 1,481,742.1	8.5 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 7.5 ft / 1.0ft	n.a.	Stephen Quayle / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				8.3	0		**Asphalt**: over road base.	FID Background = 3.45 ppm
C032CC51 (0.0 - 0.5)		n.a.	n. r.	8.0			**Sand (SW)**: Olive [5Y 5/3], fine to coarse grained sand, some fine gravel, moist, no hydrocarbon odor (FILL).	
				7.5	1		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, thin interbedded clay layers up to 1-inch thick. no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CC53 (0.5 - 2.0) C032CC52 (0.5 - 2.0)					2			
		n.a.	n. r.		3		at 3.0 ft.: Dark greenish gray [5GY 4/1], trace shells.	
C032CC54 (2.0 - 4.0)					4			
					5			
		n.a.	n.r.		6		at 5.5 ft.: no interbedded clay layers. moderate hydrocarbon odor.	
C032CC55 (4.0 - 8.0)					7			
				1.0	8		**Sandy silt (MH)**: Dark greenish gray [5GY 4/1], fine grained sand, wet, no hydrocarbon odor (BAY MUD).	
				0.0			**TOTAL DEPTH = 8.5 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-113

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:07:42 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-114

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-2	Alameda Point	05-31-02	05-31-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 473,136.1 E 1,481,740.6	8.6 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 7.5 ft / 1.1ft	n.a.	Eric Johansen / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				8.1	0		**Gravel (GP)**: Dark yellowish brown [10YR 4/4], poorly graded, (ROADBASE).	FID Background = 0.0 ppm
C032CC56 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Light olive brown [2.5Y 5/3], fine grained sand, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CC57 (0.5 - 2.0)				6.6	2		**Silty sand with gravel (SM)**: Strong brown [7.5YR 4/6], fine grained sand, moist, (FILL).	
		n.a.	n. r.		3			
C032CC58 (2.0 - 4.0)				5.1	4		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, (FILL).	
					5			
		n.a.	n.r.		6			
C032CC59 (4.0 - 8.0)					7		at 7.5 ft.: wet.	
				0.1	8		**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-114

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:07:49 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-115

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-2	Alameda Point	05-31-02	05-31-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 473,427.2 E 1,481,780.7	8.4 ft	11.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 7.5 ft / 0.9ft	n.a.	Eric Johansen / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
		n.a.	n.r.	7.9	0		Silt (ML): Very dark grayish brown [2.5Y 3/2], with roots. (TOPSOIL).	FID Background = 0.0 ppm
		n.a.	n.r.		1		Silty gravel (GM): Light olive brown [2.5Y 5/4], fine grained sand, fine and coarse gravel, moist, (CONSTRUCTION FILL).	Hole backfilled with cement-bentonite grout after completion.
					2			
					3			
					4			
C032CC60 (0.0 - 0.5)		n.a.	n. r.	3.9	5		Sand (SP): Yellowish brown [10YR 5/6], fine grained sand, minor fine gravel, moist, (FILL).	
C032CC61 (0.5 - 2.0)					6			
					7			
		n.a.	n.r.	0.9	8		Clay (CL): Very dark gray [10YR 3/1], saturated, low plasticity, (BAY MUD).	
				-0.1	9		Sand (SP): Very dark gray [10YR 3/1], fine grained sand, saturated, organic laminations. (BAY SEDIMENT).	
					10			
				-2.6	11		TOTAL DEPTH = 11.0 FEET	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-115

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:07:55 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-116

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-30-02	05-30-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 473,718.9 E 1,481,726.9	7.1 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 0.1ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CC65 (0.0 - 0.5)		n.a.	n.r.	7.0	0		**Topsoil.**	PID Background = 0.0 ppm
							Sand (SP): Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, trace shell fragments. (FILL).	
C032CC66 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2			
C032CC67 (2.0 - 4.0)					3			
					4			
		n.a.	n.r.		5			
C032CC68 (4.0 - 8.0)					6			
					7		at 7.0 ft.: Dark greenish gray [5GY 4/1], saturated.	
				-0.9	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-116

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:08:01 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-117

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-29-02	05-29-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 474,003.4 E 1,481,735.3	6.8 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 7.0 ft / -0.2ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CC69 (0.0 - 0.5)		n.a.	n. r.	6.3	1		**Topsoil.**	FID Background = 0.0 ppm
C032CC70 (0.5 - 2.0)					2		**Clayey gravel with sand (GC)**: Reddish yellow [7.5YR 6/8], poorly graded, moist, (CONSTRUCTION FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.	4.6	3		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	
C032CC71 (2.0 - 4.0)					4			
					5			
		n.a.	n.r.		6			
C032CC72 (4.0 - 8.0)					7		at 7.0 ft.: Dark greenish gray [5GY 4/1], saturated.	
				-1.2	8		**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · 5/31/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-117

Report form: CTO-032 ALAMEDA BORING LOG Time: 8:11:05 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-118

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-29-02	05-29-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 474,340.2 E 1,481,740.5	5.5 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY / REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 8.0 ft / -2.5ft ▼	n.a.	Karl Brunkhorst / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				5.0	0		**Topsoil**.	FID Background = 0.0 ppm
C032CC73 (0.0 - 0.5)		n.a.	n. r.		1		**Clay with sand (CL)**: Olive brown [2.5Y 4/4], fine grained sand, trace fine and coarse gravel, hard, dry, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CC75 (0.5 - 2.0) C032CC74 (0.5 - 2.0)				3.7	2		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	
		n.a.	n. r.		3			
C032CC76 (2.0 - 4.0)					4			
					5			
		n.a.	n.r.		6			
C032CC77 (4.0 - 8.0)					7			
				-2.5	8		**Clayey gravel with sand (GC)**: wet.	
				-3.0				

TOTAL DEPTH = 8.5 FEET

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-118

Report form: CTO-032 ALAMEDA BORING LOG Time: 8:11:11 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-119

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-24-02	05-24-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 471,981.8 E 1,482,033.0	8.2 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 6.0 ft / 2.2ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CC78 (0.0 - 0.5)		n.a.	n.r.		0		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	FID Background = 0.0 ppm
C032CC79 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2			
C032CC80 (2.0 - 4.0)					3			
					4		at 4.0 ft.: Dark reddish brown [2.5YR 2.5/4]. at 4.3 ft.: Dark greenish gray [5GY 4/1].	
		n.a.	n.r.		5			
C032CC81 (4.0 - 8.0)					6		at 6.0 ft.: saturated.	
				1.4	7		**Clay (CH)**: Dark greenish gray [5GY 4/1], soft, wet, (BAY MUD).	
				0.2	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · 3/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-119

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:08:20 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-120

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-24-02	05-24-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 472,272.8 E 1,482,031.5	8.9 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ Not Encountered	n.a.	Karl Brunkhorst / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CC82 (0.0 - 0.5)		n.a.	n.r.		0		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	FID Background = 0.0 ppm
C032CC83 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
		n a	n.r.		2			
C032CC84 (2.0 - 4.0)					3			
					4			
				4.9			**Sandy clay (CL)**: Olive brown [2.5Y 4/4], fine grained sand, soft, moist, trace wood fragments. (FILL).	
		n.a.	n.r.		5			
				3.4			**Clay (CH)**: Dark greenish gray [5GY 4/1], very soft, wet, (BAY MUD).	
C032CC86 (4.0 - 8.0) C032CC85 (4.0 - 8.0)					6			
					7			
				0.9	8			

TOTAL DEPTH = 8.0 FEET

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-120

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:08:26 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-121

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-24-02	05-24-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 472,503.7 E 1,482,030.9	7.6 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 1.6ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.1			**Concrete**: over road base.	FID Background = 0.0 ppm
C032CC87 (0.0 - 0.5)		n.a.	n. r.	6.6	1		**Sand (SP)**: Dark greenish gray [5GY 4/1], fine grained sand, poorly graded, moist, trace shell fragments. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CC88 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CC89 (2.0 - 4.0)					4			
					5			
		n.a.	n.r.		6		at 6.0 ft.: saturated.	
C032CC90 (4.0 - 8.0)				0.6	7		**Clay (CH)**: Dark greenish gray [5GY 4/1], soft, wet, (BAY MUD).	
					8			
				-1.4	9			

TOTAL DEPTH = 9.0 FEET

REGISTERED GEOLOGIST
CATHIE L. STUMPENHAUS
No. 4451
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-121

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:08:32 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-122

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-31-02	05-31-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 472,845.3 E 1,482,031.6	8.3 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.0 ft / 4.3ft ▼	n.a.	Stephen Quayle	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.8			**Asphalt**: over road base.	FID Background = 2.76 ppm
C032CC91 (0.0 - 0.5)		n.a.	n. r.	7.3	1		**Sand (SW)**: Olive [5Y 5/3], fine to coarse grained sand, some fine gravel, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CC92 (0.5 - 2.0)				6.6	2		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL).	
		n.a.	n. r.		3			
C032CC93 (2.0 - 4.0)					4		at 4.0 ft.: wet.	
					5		at 4.5 ft.: 2 inch thick layer fine gravel.	
		n.a.	n. r.		6			
C032CC94 (4.0 - 8.0)					7		at 6.5 ft.: Dark greenish gray [5GY 4/1].	
					8			
				-0.7	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-122

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:08:39 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-123

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-28-02	05-28-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 473,125.4 E 1,482,029.1	8.8 ft	8.3 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 7.0 ft / 1.8ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CC95 (0.0 - 0.5)		n.a.	n. r.	8.5	0		**Topsoil**.	FID Background = 0.0 ppm
					1		**Sandy clay (CL)**: Olive brown [2.5Y 4/4], fine grained sand, hard, dry, (FILL).	
C032CC97 (0.5 - 2.0) C032CC96 (0.5 - 2.0)					2			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.	6.0	3		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, trace shell fragments. (FILL).	
C032CC98 (2.0 - 4.0)					4			
					5			
		n.a.	n.r.		6			
C032CC99 (4.0 - 8.0)				2.3	7		**Clay (CL)**: Dark greenish gray [5GY 4/1], saturated, (BAY MUD).	
				0.5	8			
							TOTAL DEPTH = 8.3 FEET	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · 6/9.21/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-123

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:08:45 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-124

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-2	Alameda Point	05-31-02	05-31-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 473,427.0 E 1,482,051.8	6.8 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ Not Encountered	n.a.	Eric Johansen / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CC00 (0.0 - 0.5)		n.a.	n.r.	6.3	0		**Silty sand (SM)**: Dark brown [10YR 3/3], fine grained sand, minor fine gravel, moist, (TOPSOIL).	FID Background = 0.0 ppm
C032CD01 (0.5 - 2.0)					1		**Sand (SP)**: Pale brown [10YR 6/3], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2			
C032CD02 (2.0 - 4.0)					3			
					4			
					5			
		n.a.	n.r.		6			
C032CD03 (4.0 - 8.0)					7			
				-0.7	8		**Clay (CL)**: (BAY MUD).	
				-1.7			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L STUMPENHAUS · No. 4451 · 5/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-124

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:08:51 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-125

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-30-02	05-30-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 473,713.9 E 1,482,031.5	7.6 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ Not Encountered	n.a.	Karl Brunkhorst	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.1	0		**Topsoil**.	FID Background = 0.0 ppm
C032CD04 (0.0 - 0.5)		n.a.			1		**Clayey sand (SC)**: Olive brown [2.5Y 4/4], trace fine and coarse gravel, dry, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CD05 (0.5 - 2.0)					2			
				5.1				
		n.a.	n. r.		3		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	
C032CD06 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032CD08 (4.0 - 8.0) C032CD07 (4.0 - 8.0)					7			
					8			
				-0.9			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-125

Report form: CTO-032 ALAMEDA BORING LOG Time: 8:11:15 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-126

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-30-02	05-30-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 474,009.8 E 1,482,074.2	7.4 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 0.4ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				6.9	0		**Topsoil**.	FID Background = 0.0 ppm
C032CD09 (0.0 - 0.5)		n.a.	n. r.		1		**Sandy clay (CL)**: Olive brown [2.5Y 4/4], fine grained sand, moist, trace roots and shell fragments. (FILL).	
C032CD10 (0.5 - 2.0)					2			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		3			
C032CD11 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032CD12 (4.0 - 8.0)					7		at 7.0 ft.: Dark greenish gray [5GY 4/1], saturated.	
					8			
				-1.1			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
CATHIE L. STUMPENHAUS
No. 4451
Exp. 4/27/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-126

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:09:01 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-127

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-29-02	05-29-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 474,302.6 E 1,482,007.1	6.6 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY / REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 7.5 ft / -0.9ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CD13 (0.0 - 0.5)		n.a.	n. r.	6.1	0		**Topsoil**.	FID Background = 0.0 ppm
C032CD14 (0.5 - 2.0)					1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032CD15 (2.0 - 4.0)					3			
					4			
					5			
		n.a.	n. r.		6			
C032CD16 (4.0 - 8.0)					7			
					8		at 7.5 ft.: Dark greenish gray [5GY 4/1], saturated.	
				-1.9			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-127

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:09:06 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-128

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-24-02	05-24-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 470,786.2 E 1,482,322.2	8.7 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 6.0 ft / 2.7ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				8.2	0		**Concrete**: over road base.	FID Background = 0.0 ppm
C032CD17 (0.0 - 0.5)		n.a.	n. r.	7.7	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CD19 (0.5 - 2.0) C032CD18 (0.5 - 2.0)		n.a.	n. r.		2 3			
C032CD20 (2.0 - 4.0)					4 5			
C032CD21 (4.0 - 8.0)		n.a.	n. r.		6 7 8		at 6.0 ft.: Dark greenish gray [5GY 4/1], saturated. at 8.0 ft.: Very dark grayish brown [10YR 3/2].	
				-0.3	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4461 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-128

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:09:12 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-129

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-24-02	05-24-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 471,102.9 E 1,482,340.0	8.3 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ Not Encountered ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.8	0		**Topsoil**.	FID Background = 0.0 ppm
C032CD22 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CD23 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CD24 (2.0 - 4.0)					4			
					5			
		n.a.	n.r.	2.8	6		**Clay (CH)**: Dark greenish gray [5GY 4/1], very soft, wet, (BAY MUD).	
C032CD25 (4.0 - 8.0)					7			
					8			
				-0.2			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-129

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:09:18 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-130

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-24-02	05-24-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 471,390.1 E 1,482,322.6	9.9 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY / REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 6.0 ft / 3.9ft	n.a.	Karl Brunkhorst / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				9.6	0		**Concrete**: over road base.	FID Background = 0.0 ppm
				9.4				
C032CD26 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CD27 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CD28 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: Dark greenish gray [5GY 4/1], saturated.	
C032CD30 (4.0 - 8.0) C032CD29 (4.0 - 8.0)					7			
				1.9	8		**Clay (CH)**: Dark greenish gray [5GY 4/1], soft, wet, (BAY MUD).	
				1.4			**TOTAL DEPTH = 8.5 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-130

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:09:23 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-131

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-24-02	05-24-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 471,649.3 E 1,482,321.5	9.2 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 3.2ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				8.7			**Concrete**: over road base.	
C032CD31 (0.0 - 0.5)		n.a.	n. r.	8.2	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CD32 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CD33 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: Dark greenish gray [5GY 4/1], saturated.	
C032CD34 (4.0 - 8.0)				2.2	7		**Clay (CH)**: Dark greenish gray [5GY 4/1], very soft, wet, (BAY MUD).	
					8			
				0.2	9			

TOTAL DEPTH = 9.0 FEET

REGISTERED GEOLOGIST · CATHIE L STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-131

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:09:30 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-132

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-28-02	05-28-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 472,554.1 E 1,482,322.7	7.9 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 0.9ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.4	0		**Concrete**: over road base.	FID Background – 0.0 ppm
C032CD35 (0.0 - 0.5)		n.a.	n. r.	6.9	1		**Sandy clay** Dark greenish gray [5GY 4/1], fine grained sand, dry, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CD36 (0.5 - 2.0)		n.a.	n. r.		2			
				4.4	3		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	
C032CD37 (2.0 - 4.0)		n.a.	n.r.		4			
				0.9	5			
C032CD38 (4.0 - 8.0)					6			
				-1.2	7		**Clay (CH)**: Black [N2], saturated, (BAY MUD).	
					8			
					9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · 3/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-132

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:09:36 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-133

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-31-02	05-31-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 472,832.7 E 1,482,322.1	8.2 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.5 ft / 2.7ft ▼	n.a.	Stephen Quayle	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032CD39 (0.0 - 0.5)		n.a.	n. r.	8.0	0		**Asphalt**: over road base.	FID Background = 2.77 ppm
				7.7	1		**Sand (SW)**: Olive [5Y 5/3], fine to coarse grained sand, some fine gravel, moist, no hydrocarbon odor (FILL).	
C032CD40 (0.5 - 2.0)				6.7	2		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		3			
C032CD42 (2.0 - 4.0) C032CD41 (2.0 - 4.0)					4			
					5		at 5.5 ft.: wet.	
		n.a.	n.r.		6			
C032CD43 (4.0 - 8.0)					7		at 6.5 ft.: Dark greenish gray [5GY 4/1].	
					8			
				-0.3			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-133

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:09:42 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-134

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-28-02	05-28-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 473,140.9 E 1,482,326.1	8.3 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 7.5 ft / 0.8ft ▼	n.a.	Karl Brunkhorst / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.8	0		**Topsoil**.	PID Background = 0.0 ppm
C032CD44 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CD45 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CD46 (2.0 - 4.0)				4.3	4		**Clay (CL)**: Dark reddish brown [2.5YR 3/4], with fine grained sand, moist, (FILL).	
					5			
		n.a.	n.r.		6		at 6.0 ft.: Light olive brown [2.5Y 5/3] with dark red staining.	
C032CD47 (4.0 - 8.0)					7			
				0.8	8		**Sand (SP)**: Dark greenish gray [5GY 4/1], fine grained sand, poorly graded, saturated, with shell fragments. (FILL).	
				-0.2			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · C.E.G. No. 4451 · 6/30/2/24/07 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-134

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:09:49 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-135

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-28-02	05-28-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 473,376.8 E 1,482,330.3	7.4 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 7.5 ft / -0.1ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				6.9	0		**Concrete**: over road base.	FID Background = 0.0 ppm
C032CD48 (0.0 - 0.5)		n.a.	n. r.	6.4	1		**Clay with sand (CL)**: Olive brown [2.5Y 4/4], fine grained sand, hard, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CD49 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
				3.9			**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, moist, (FILL).	
C032CD50 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032CD52 (4.0 - 8.0) C032CD51 (4.0 - 8.0)					7			
					8		at 7.5 ft.: Dark greenish gray [5GY 4/1], saturated.	
				-1.6	9			

TOTAL DEPTH = 9.0 FEET

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-135

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:28:34 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-5-136

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-30-02	05-30-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 473,718.1 E 1,482,322.7	6.9 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 7.5 ft / -0.6ft ▼	n.a.	Karl Brunkhorst / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				6.4	0		**Topsoil**.	FID Background = 0.0 ppm
C032CD53 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, trace clay, poorly graded, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032CD54 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032CD55 (2.0 - 4.0)					4			
					5			
		n.a.	n.r.		6			
C032CD57 (4.0 - 8.0) C032CD56 (4.0 - 8.0)					7			
					8		at 7.5 ft.: Dark greenish gray [5GY 4/1], saturated.	
				-1.6			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-5-136

Report form: CTO-032 ALAMEDA BORING LOG Time: 11:10:00 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-1

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-21-02	05-21-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 468,798.3 E 1,479,966.4	11.9 ft	8.8 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ Not Encountered	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				11.8	0		**Concrete**: with 1-inch thick asphalt cap.	FID Background – 0.1 ppm
C032C349 (0.0 0.5)		n.a.	n. r.	11.1	1		**Sand (SP)**: Light olive brown [2.5Y 5/6], fine to medium grained sand, rounded, dry, some shell fragments and clasts of dark gray clay and clayey sand, polymictic. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C350 (0.5 - 2.0)		n.a.	n. r.		2			
		n.a.	n. r.		3			
C032C351 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032C352 (4.0 - 8.0)					7			
					8			
				3.1			**TOTAL DEPTH = 8.8 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-1

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:38:06 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-2

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-21-02	05-21-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 469,054.0 E 1,480,004.3	10.4 ft	8.8 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ Not Encountered	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				10.3	0		**Concrete**: with 1-inch thick asphalt cap.	FID Background = 0.0 ppm
C032C353 (0.0 - 0.5)		n.a.	n. r.	9.6	1		**Sand (SP)**: Light olive brown [2.5Y 5/6], fine to medium grained sand, rounded, dry, minor shell fragments,polymictic. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C354 (0.5 - 2.0)		n.a.	n. r.		2			
		n.a.	n. r.		3			
C032C355 (2.0 - 4.0)					4			
					5			
		n.a.	n.r.		6			
C032C356 (4.0 - 8.0)					7		at 7.0 ft.: moist.	
					8			
				1.6			**TOTAL DEPTH = 8.8 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · No. 4451 · Exp 3/04/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-2

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:38:59 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-3

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-17-02	05-17-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 468,515.5 E 1,480,251.9	9.8 ft	8.3 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ not encountered	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C357 (0.0 - 0.5)		n.a.	n. r.	9.5	0		**Asphalt.**	FID Background = 2.0 ppm
					1		**Sand (SP)**: Light olive brown [2.5Y 5/6], medium grained sand, rounded, dry, polymictic. (FILL). at 0.4 ft.: Very dark brown [10YR 2/2], hydrocarbon stain, organic odor to 0.6 feet. at 1.0 ft.: minor shell fragments.	
C032C359 (0.5 - 2.0) / C032C358 (0.5 - 2.0)		n.a.	n. r.		2			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		3			
C032C360 (2.0 - 4.0)					4			
					5		at 5.0 ft.: moist.	
		n.a.	n.r.		6			
C032C361 (4.0 - 8.0)					7			
				1.5	8			
							TOTAL DEPTH = 8.3 FEET	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp 3/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-3

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:39:05 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-4

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-17-02	05-17-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 468,803.2 E 1,480,247.0	11.8 ft	8.3 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ not encountered ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C362 (0.0 - 0.5)		n.a.	n. r.	11.5	0		**Asphalt.**	FID Background – 0.8 ppm
					1		**Sand (SP)**: Light olive brown [2.5Y 5/6] with Very dark brown [10YR 2/2] hydrocarbon staining and organic odor to 0.9-feet, medium grained sand, rounded, dry, polymictic. (FILL).	
C032C363 (0.5 - 2.0)		n.a.	n.r.		2		at 1.5 ft.: trace fine and coarse gravel, angular.	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.				at 2.0 ft.: minor shell fragments.	
C032C364 (2.0 - 4.0)					3			
					4			
					5			
		n.a.	n.r.		6			
C032C365 (4.0 - 8.0)					7			
				3.5	8			
							TOTAL DEPTH = 8.3 FEET	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp 2/27/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-4

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:39:12 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-5

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-21-02	05-21-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 469,092.1 E 1,480,247.8	9.6 ft	8.8 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ not encountered	n.a.	Tim Mote / Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				8.8			**Concrete**.	FID Background = 0.0 ppm
C032C366 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Light olive brown [2.5Y 5/6], fine to medium grained sand, rounded, moist, polymictic. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C367 (0.5 - 2.0)		n.a.	n. r.		2			
		n.a.	n. r.		3			
C032C368 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032C370 (4.0 - 8.0) C032C369 (4.0 - 8.0)					7			
					8			
				0.8			**TOTAL DEPTH = 8.8 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-5

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:39:18 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-6

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-21-02	05-21-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 469,406.4 E 1,480,279.9	8.5 ft	8.8 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 1.5ft	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.7	0		**Concrete**.	FID Background = 0.0 ppm
C032C371 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Light olive brown [2.5Y 5/6], fine to medium grained sand, rounded, moist, polymictic. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C372 (0.5 - 2.0)		n.a.	n. r.		2			
		n.a.	n. r.		3			Hit refusal with direct push sampler, hole hand augered to depth.
C032C373 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.	2.3	6		**Gravel with sand (GW)**: Black [N1], asphalt fragments, organic odor. (FILL)	
C032C374 (4.0 - 8.0)					7		at 7.0 ft.: wet.	
				0.4	8		**Sand (SP)**: dark gray, coarse grained sand, wet, (FILL).	
				-0.4			**TOTAL DEPTH = 8.8 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-6

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:39:26 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-7

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-17-02	05-17-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 468,514.1 E 1,480,536.7	10.8 ft	8.3 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.5 ft / 3.3ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C375 (0.0 - 0.5)		n.a.	n. r.	10.5	0		**Asphalt**.	FID Background = 2.0 ppm
					1		**Sand (SP)**: Light olive brown [2.5Y 5/6] with hydrocarbon staining and organic odor to 0.6-feet, medium grained sand, rounded, dry, polymictic. (FILL).	
C032C376 (0.5 - 2.0)		n.a.	n. r.		2			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		3		at 3.0 ft.: fine grained sand, dense, moist, compacted layer to 4.5-feet.	
C032C377 (2.0 - 4.0)					4			
					5			
		n.a.	n.r.		6			
C032C378 (4.0 - 8.0)					7		at 7.5 ft.: wet.	
				2.5	8			
							TOTAL DEPTH – 8.3 FEET	

REGISTERED GEOLOGIST
CATHIE L. STUMPENHAUS
No. 4451
Exp. 2/29/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-7

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:39:30 PM

BORING LOG

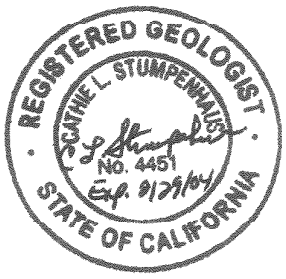
PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-8

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-17-02	05-17-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 468,795.3 E 1,480,535.9	11.7 ft	8.3 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ not encountered	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C379 (0.0 - 0.5)		n.a.	n. r.	11.4	0		**Asphalt**.	FID Background = 1.2 ppm
					1		**Sand (SP)**: Light olive brown [2.5Y 5/6] with Very dark brown [10YR 2/2] hydrocarbon staining and organic odor to 0.7-feet, medium grained sand, rounded, dry, polymictic. (FILL).	
C032C381 (0.5 - 2.0)								Hole backfilled with cement-bentonite grout after completion.
C032C380 (0.5 - 2.0)		n.a.	n. r.		2		at 2.0 ft.: ~1-inch thick clay layer.	
		n.a.	n. r.					
C032C382 (2.0 - 4.0)					3			
					4			
					5			
		n.a.	n.r.					
C032C383 (4.0 - 8.0)					6			
					7			
					8			
				3.4			**TOTAL DEPTH = 8.3 FEET**	



SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-8

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:39:40 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-9

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-21-02	05-21-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 469,092.0 E 1,480,631.8	9.3 ft	8.8 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 5.8 ft / 3.5ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete.	FID Background = 0.0 ppm
				8.5	1		**Sand (SP)**: Light olive brown [2.5Y 5/6], fine to medium grained sand, rounded, moist, trace shell fragments, polymictic. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C384 (0.0 - 0.5)		n.a.	n. r.					
C032C385 (0.5 - 2.0)		n.a.	n. r.		2			
		n.a.	n. r.		3			
C032C386 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 5.8 ft.: wet.	
C032C387 (4.0 - 8.0)					7			
					8			
				0.5			**TOTAL DEPTH = 8.8 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-9

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:39:46 PM

BORING LOG

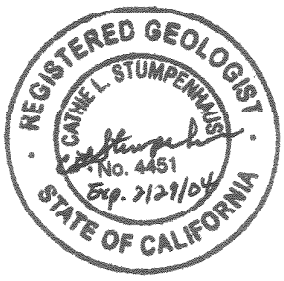
PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-10

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-23-02	05-23-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 469,404.5 E 1,480,538.5	9.1 ft	8.8 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 8.0 ft / 1.1ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				9.0	0		**Concrete**: with 1-inch thick asphalt cap.	FID Background = 0.5 ppm
C032C388 (0.0 - 0.5)		n.a.	n. r.	8.3	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, moist, polymictic. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C389 (0.5 - 2.0)		n.a.	n. r.	6.9	2		**Clay (CL)**: Dark olive gray [5Y 3/2], stiff, trace gravel and wood debris. moderate hydrocarbon odor (FILL).	
		n.a.	n. r.	5.9	3		**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, moist, (FILL).	Low recovery - rock in shoe.
C032C390 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032C392 (4.0 - 8.0) C032C391 (4.0 - 8.0)					7			
					8		at 7.8 ft.: dark gray, strong hydrocarbon odor. at 8.0 ft.: wet.	
				0.3			**TOTAL DEPTH = 8.8 FEET**	



SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-10

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:40:26 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-11

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-20-02	05-20-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 468,225.1 E 1,480,825.7	11.0 ft	8.8 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 8.5 ft / 2.5ft	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				10.2	0		**Asphalt**.	FID Background = 0.4 ppm
C032C393 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Light olive brown [2.5Y 5/6], medium grained sand, rounded, moist, polymictic. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C394 (0.5 - 2.0)		n.a.	n. r.		2			
		n.a.	n. r.		3		at 3.0 ft.: dry.	
C032C395 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032C396 (4.0 - 8.0)					7			
					8			
				2.2			at 8.5 ft.: wet.	
							TOTAL DEPTH = 8.8 FEET	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-11

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:40:32 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-12

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-17-02	05-17-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 468,513.1 E 1,480,825.6	11.7 ft	8.3 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ Not Encountered ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C397 (0.0 - 0.5)		n.a.	n. r.	11.4	0		**Asphalt**.	FID Background = 2.2 ppm
					1		**Sand (SP)**: Light olive brown [2.5Y 5/6] with Very dark brown [10YR 2/2] hydrocarbon staining to 0.5-feet, medium grained sand, rounded, dry, polymictic. moderate hydrocarbon odor (FILL).	
C032C398 (0.5 - 2.0)		n.a.	n. r.		2			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		3		at 2.5 ft.: Very dark brown [10YR 2/2], moderate hydrocarbon odor.	
C032C399 (2.0 - 4.0)					4		at 4.2 ft.: fine grained sand, dense, moist.	
					5			
		n.a.	n. r.		6		at 6.0 ft.: dry.	
C032C400 (4.0 - 8.0)					7			
				3.4	8			
							TOTAL DEPTH = 8.3 FEET	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-12

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:40:40 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-13

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-17-02	05-17-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 468,806.2 E 1,480,825.3	10.9 ft	8.8 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 7.8 ft / 3.1ft ▼	n.a.	Tim Mote / Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				10.6	0		**Asphalt over Concrete**.	FID Background = 2.2 ppm
				10.1				
C032C401 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Light olive brown [2.5Y 5/6], medium grained sand, rounded, dry to moist, polymictic. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C403 (0.5 - 2.0)					2		at 1.8 ft.: some shell fragments.	
C032C402 (0.5 - 2.0)		n.a.	n. r.				at 2.2 ft.: moist.	
		n.a.	n. r.		3		at 2.8 ft.: dry, visible laminations.	
C032C404 (2.0 - 4.0)					4			
					5		at 4.8 ft.: moist.	
		n.a.	n. r.		6			
C032C405 (4.0 - 8.0)					7			
					8		at 7.8 ft.: wet.	
				2.1				
							TOTAL DEPTH = 8.8 ~~FEET~~	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp 6/30/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-13

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:40:47 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-14

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-21-02	05-21-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 469,011.8 E 1,480,859.7	10.0 ft	8.8 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 4.0ft	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				9.2	0		Concrete.	FID Background = 0.0 ppm
C032C406 (0.0 - 0.5)		n.a.	n. r.	9.0	1		Sandy clay (CL): Olive brown [2.5Y 4/4], stiff, (FILL). Sand (SP): Olive brown [2.5Y 4/4], fine to medium grained sand, rounded, moist, some shell fragments, polymictic. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C407 (0.5 - 2.0)					2			
		n.a.	n. r.					
		n.a.	n. r.		3			
C032C408 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: dense, wet.	
C032C409 (4.0 - 8.0)					7			
					8			
				1.2			TOTAL DEPTH = 8.8 FEET	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-14

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:40:53 PM

BORING LOG

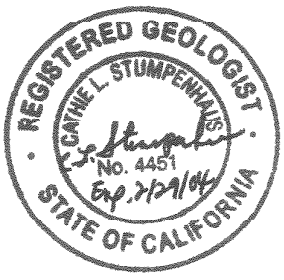
PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-15

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-22-02	05-22-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 469,380.9 E 1,480,827.8	9.9 ft	8.6 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 5.2 ft / 4.7ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				9.8			**Concrete**: with 1-inch thick asphalt cap.	FID Background = 0.1 ppm
C032C410 (0.0 - 0.5)		n.a.	n. r.	9.3			**Clay with sand (CL)**: Olive brown [2.5Y 4/4], (FILL).	
C032C411 (0.5 - 2.0)		n.a.	n. r.	8.9	1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, rounded, moist, polymictic. (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032C412 (2.0 - 4.0)					3			
					4			
					5		at 5.2 ft.: wet.	
		n.a.	n. r.		6			
C032C414 (4.0 - 8.0) C032C413 (4.0 - 8.0)					7			
					8		at 7.8 ft.: Dark gray [2.5Y 4/1] with hydrocarbon staining, slight hydrocarbon odor.	
				1.3			**TOTAL DEPTH = 8.6 FEET**	



SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-15

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:15:49 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-16

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-22-02	05-22-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 469,668.6 E 1,480,829.2	9.7 ft	8.2 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 4.8 ft / 4.9ft ▼	n.a.	Tim Mote / Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				9.5	0		**Asphalt**.	FID Background = 0.6 ppm
C032C415 (0.0 - 0.5)		n.a.	n. r.				**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, rounded, moist, polymictic. (FILL).	
C032C416 (0.5 - 2.0)		n.a.	n. r.		1			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032C417 (2.0 - 4.0)					3			
					4			
					5		at 4.8 ft.: wet.	
C032C418 (4.0 - 8.0)		n.a.	n. r.		6			
					7			
				1.5	8		at 7.8 ft.: Dark gray [2.5Y 4/1] with hydrocarbon staining, slight hydrocarbon odor.	
							TOTAL DEPTH = 8.2 FEET	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-16

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:41:04 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-18

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-23-02	05-23-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 470,246.1 E 1,480,826.8	8.5 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 2.5ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C423 (0.0 - 0.5)		n.a.	n. r.	8.3	0		**Organic Soil (OL/OH)**: (TOPSOIL).	FID Background = 0.8 ppm
							Sand with gravel (SP): Light olive brown [2.5Y 5/6], fine to medium grained sand, 20-25% fine and coarse gravel, rounded, dry, polymictic. (FILL).	
C032C425 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
C032C424 (0.5 - 2.0)		n.a.	n. r.					
		n.a.	n. r.		2			
				6.0			**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, rounded, moist, (FILL).	
C032C426 (2.0 - 4.0)					3			
					4			
		n.a.	n. r.		5			
							at 5.5 ft.: fine grained sand.	
C032C427 (4.0 - 8.0)					6		at 6.0 ft.: wet.	
					7			
				0.5	8		at 7.5 ft.: Dark gray [2.5Y 4/1] with hydrocarbon staining, medium grained sand, some coarse grained sand, slight hydrocarbon odor.	
							TOTAL DEPTH = 8.0 FEET	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · C.G. No. 4451 Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-18

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:41:10 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-19

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-20-02	05-20-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 468,224.8 E 1,481,124.3	10.0 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.6 ft / 4.4ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete.	FID Background = 0.4 ppm
C032C428 (0.0 - 0.5)		n.a.	n. r.	9.0	1		**Sand (SP)**: Light olive brown [2.5Y 5/6] with hydrocarbon staining and odor to 1.2-feet, medium grained sand, rounded, moist, minor shell fragments, polymictic. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C429 (0.5 - 2.0)		n.a.	n. r.		2			
		n.a.	n. r.		3			
C032C430 (2.0 - 4.0)					4			
					5		at 5.6 ft.: wet.	
		n.a.	n. r.		6			
C032C431 (4.0 - 8.0)					7			
					8			
				1.0	9		**TOTAL DEPTH = 9.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-19

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:41:15 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-20

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-17-02	05-17-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 468,509.7 E 1,481,109.4	10.3 ft	8.3 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.5 ft / 4.8ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C432 (0.0 - 0.5)		n.a.	n. r.	10.0	0		**Asphalt.**	FID Background = 2.6 ppm
					1		**Sand (SP)**: Light olive brown [2.5Y 5/6] with Very dark brown [10YR 2/2] hydrocarbon staining and organic odor to 0.6-feet, medium grained sand, rounded, dry, polymictic. (FILL).	
C032C433 (0.5 - 2.0)		n.a.	n. r.		2			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		3		at 3.0 ft.: minor clayey sand interlayers.	
C032C434 (2.0 - 4.0)					4		at 4.4 ft.: fine grained sand, minor clay, moist.	
					5		at 5.5 ft.: wet.	
		n.a.	n. r.		6			
C032C436 (4.0 - 8.0) C032C435 (4.0 - 8.0)					7			
				2.0	8		**TOTAL DEPTH = 8.3 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-20

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:41:20 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-21

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-17-02	05-17-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 468,806.2 E 1,481,115.2	10.4 ft	8.8 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.6 ft / 4.8ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				9.6	0		Concrete.	FID Background = 2.6 ppm
C032C437 (0.0 - 0.5)		n.a.	n. r.		1		Sand (SP): Light olive brown [2.5Y 5/6], medium grained sand, rounded, moist, polymictic. slight hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C438 (0.5 - 2.0)		n.a.	n. r.		2			
		n.a.	n. r.		3			
C032C439 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 5.6 ft.: wet.	
C032C440 (4.0 - 8.0)					7			
					8			
				1.6			TOTAL DEPTH = 8.8 FEET	

REGISTERED GEOLOGIST · CATHIE L STUMPENHAUS · No. 4451 Exp 3/24/14 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-21

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:41:26 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-22

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-21-02	05-21-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 469,093.0 E 1,481,115.2	10.3 ft	8.8 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 8.2 ft / 2.1ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				9.5	1		**Concrete**.	FID Background = 0.0 ppm
C032C441 (0.0 - 0.5)		n.a.	n. r.	8.9			**Sand with gravel (SW)**: Dark yellowish brown [10YR 4/4], coarse grained sand to coarse gravel, angular, wet, with chert clasts. slight hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C442 (0.5 - 2.0)		n.a.	n. r.		2		**Sand (SP)**: Light olive brown [2.5Y 5/6], fine to medium grained sand, rounded, moist, polymictic. (FILL).	
		n.a.	n. r.		3			
C032C443 (2.0 - 4.0)					4		at 4.0 ft.: occasional chert clasts and clayey sand.	
					5			
C032C444 (4.0 - 8.0)		n.a.	n. r.		6			
					7			
					8		at 7.8 ft.: Gray [2.5Y 5/1]. at 8.2 ft.: wet.	
				1.5			**TOTAL DEPTH = 8.8 FEET**	

REGISTERED GEOLOGIST · CATHIE L STUMPENHAUS · No. 4451 Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-22

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:41:31 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-23

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-22-02	05-22-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 469,381.4 E 1,481,114.8	10.4 ft	8.8 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Hortz)	HOLE DIAMETER
▽ 5.8 ft / 4.6ft	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				10.3	0		**Concrete**: with 1-inch thick asphalt cap.	FID Background = 0.0 ppm
C032C445 (0.0 - 0.5)		n.a.	n. r.	9.6	1		**Sand (SP)**: Olive brown [2.5Y 4/4], medium grained sand, rounded, moist, polymictic, minor clasts of clayey sand. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C446 (0.5 - 2.0)		n.a.	n. r.		2			
		n.a.	n. r.		3			
C032C448 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 5.8 ft.: wet.	
C032C449 (4.0 - 8.0) C032C447 (4.0 - 8.0)					7			
					8			
				1.6				

TOTAL DEPTH = 8.8 FEET

REGISTERED GEOLOGIST
CATHIE L. STUMPENHAUS
No. 4451
Exp. 2/29/24
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-23

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:41:37 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-24

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-22-02	05-22-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 469,663.4 E 1,481,228.4	10.2 ft	8.6 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / 5.2ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				10.1			**Concrete**: with 1-inch thick asphalt cap.	FID Background = 0.4 ppm
C032C450 (0.0 - 0.5)		n.a.	n. r.	9.6	1		**Sand (SP)**: Olive brown [2.5Y 4/4], medium grained sand, rounded, moist, polymictic. (FILL).	
C032C451 (0.5 - 2.0)		n.a.	n. r.		2		at 2.0 ft.: occasional clasts of chert and clay, some shell fragments.	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		3			
C032C452 (2.0 - 4.0)					4			
					5		at 5.0 ft.: wet.	
		n.a.	n. r.		6			
C032C453 (4.0 - 8.0)					7			
					8		at 7.6 ft.: Dark gray [2.5Y 4/1], moderate hydrocarbon odor.	
				1.6			**TOTAL DEPTH = 8.6 FEET**	

REGISTERED GEOLOGIST
CATHIE L. STUMPENHAUS
No. 4451
Exp 2/29/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-24

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:41:43 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-25

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-22-02	05-22-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 469,994.7 E 1,481,111.8	10.4 ft	8.6 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.6 ft / 4.8ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				10.3			**Concrete**: with 1-inch thick asphalt cap.	FID Background = 0.5 ppm
C032C454 (0.0 - 0.5)		n.a.	n. r.	9.8	1		**Clay with sand (CL)**: Dark gray [5Y 4/1], stiff, dry, (FILL).	
C032C455 (0.5 - 2.0)		n.a.	n. r.	8.8	2		**Sand (SP)**: Olive brown [2.5Y 4/4], (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C456 (2.0 - 4.0)		n.a.	n. r.	7.4	3		**Clay (CL)**: Dark gray [5Y 4/1], with shell fragments. (FILL).	
C032C458 (4.0 - 8.0) / C032C457 (4.0 - 8.0)		n.a.	n. r.	5.4	5		**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, rounded, moist, polymictic. (FILL). at 5.6 ft.: wet. at 8.0 ft.: Dark gray [2.5Y 4/1], moderate hydrocarbon odor.	
				1.8	8		**TOTAL DEPTH = 8.6 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-25

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:41:49 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-26

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-20-02	05-20-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 468,225.1 E 1,481,403.7	10.5 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 7.0 ft / 3.5ft ▼	n.a.	Tim Mote / Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C459 (0.0 - 0.5)		n.a.	n. r.		0		**Sand (SP)**: Very dark brown [10YR 2/2] hydrocarbon stain, moderate hydrocarbon odor (FILL).	FID Background = 0.5 ppm
C032C460 (0.5 - 2.0)		n.a.	n. r.		1		at 1.0 ft.: Light olive brown [2.5Y 5/6], medium grained sand, rounded, moist, polymictic.	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2		at 2.0 ft.: dry.	
C032C461 (2.0 - 4.0)					3			
					4			
		n.a.	n. r.		5			
C032C462 (4.0 - 8.0)					6			
					7		at 7.0 ft.: wet.	
				2.5	8		**TOTAL DEPTH = 8.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-26

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:41:55 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-27

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-23-02	05-23-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 468,514.1 E 1,481,403.8	10.3 ft	8.8 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 7.8 ft / 2.5ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				10.2	0		**Concrete**. with 1-inch thick asphalt cap.	FID Background = 0.2 ppm
C032C463 (0.0 - 0.5)		n.a.	n. r.	9.5 9.3	1		**Organic Soil (OL/OH)**: (TOPSOIL). **Sand (SP)**: Light olive brown [2.5Y 5/4], fine to medium grained sand, rounded, dry, polymictic. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C464 (0.5 - 2.0)		n.a.	n. r.		2			
		n.a.	n. r.		3			
C032C465 (2.0 - 4.0)					4			
					5		at 5.4 ft.: moist.	
		n.a.	n.r.		6			
C032C466 (4.0 - 8.0)					7			
					8		at 7.8 ft.: wet.	
				1.5			**TOTAL DEPTH = 8.8 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · No. 4451 Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-27

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:42:01 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-28

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-20-02	05-20-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 468,780.3 E 1,481,403.5	10.6 ft	8.6 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ not encountered	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (#BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C467 (0.0 - 0.5)		n.a.	n. r.	10.0	0		**Concrete**.	PID Background = 0.6 ppm
				9.5	1		**Gravel with clay (GW-GC)**: fine gravel to cobbles, angular, (FILL).	
C032C469 (0.5 - 2.0)							**Sand (SP)**: Light olive brown [2.5Y 5/4], medium grained sand, rounded, moist, polymictic, some shell fragments. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C468 (0.5 - 2.0)		n.a.	n. r.		2			
		n.a.	n. r.		3			
C032C470 (2.0 - 4.0)					4		at 3.5 ft.: some clayey sand interlayers.	
					5			
		n.a.	n. r.		6		at 6.0 ft.: dry.	
C032C471 (4.0 - 8.0)					7			
					8			
				2.0			**TOTAL DEPTH = 8.6 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-28

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:42:07 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-29

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-20-02	05-20-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 468,226.2 E 1,481,693.5	9.1 ft	8.8 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 3.1ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				8.8			Asphalt over Concrete.	FID Background = 1.0 ppm
				8.3				
C032C472 (0.0 - 0.5)		n.a.	n. r.		1		Sand (SP): Very dark brown [10YR 2/2] hydrocarbon staining, medium grained sand, rounded, dry, polymictic, moderate hydrocarbon odor (FILL). at 1.0 ft.: Dark gray [5Y 4/1].	Hole backfilled with cement-bentonite grout after completion.
C032C473 (0.5 - 2.0)		n.a.	n. r.		2			
		n.a.	n. r.		3		at 3.5 ft.: moist.	
C032C474 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 6.0 ft.: wet.	
C032C475 (4.0 - 8.0)					7			
					8			
				0.3			TOTAL DEPTH = 8.8 FEET	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-29

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:42:13 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-30

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-20-02	05-20-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 468,514.1 E 1,481,692.8	10.0 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.5 ft / 4.5ft	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				9.5			Concrete.	FID Background = 0.4 ppm
C032C476 (0.0 - 0.5)		n.a.	n. r.		1		Sand (SP): Very dark brown [10YR 2/2] hydrocarbon staining, medium grained sand, rounded, dry, polymictic, minor shell fragments. moderate hydrocarbon odor (FILL). at 0.8 ft.: Light olive brown [2.5Y 5/6].	Hole backfilled with cement-bentonite grout after completion.
C032C477 (0.5 - 2.0)		n.a.	n. r.		2			
		n.a.	n. r.		3			
C032C478 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 5.5 ft.: wet.	
C032C480 (4.0 - 8.0) C032C479 (4.0 - 8.0)					7			
					8			
				1.5			TOTAL DEPTH = 8.5 FEET	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-30

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:42:19 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-31

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-20-02	05-20-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 468,225.0 E 1,481,981.6	9.7 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 4.5 ft / 5.2ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C481 (0.0 - 0.5)		n.a.	n. r.		0		**Sand (SP)**. Very dark brown [10YR 2/2] hydrocarbon staining, medium grained sand, rounded, dry, polymictic. (FILL).	FID Background = 1.0 ppm
C032C482 (0.5 - 2.0)		n.a.	n. r.		1		at 0.3 ft.: Light olive brown [2.5Y 5/6].	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032C483 (2.0 - 4.0)					3			
					4		at 4.5 ft.: wet.	
		n.a.	n. r.		5			
C032C484 (4.0 - 8.0)					6			
					7			
				1.7	8		**TOTAL DEPTH = 8.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-31

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:42:25 PM

BORING LOG

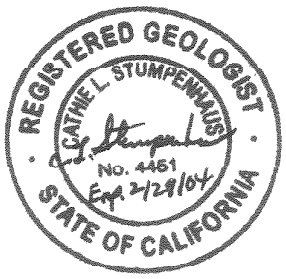
PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-32

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-21-02	05-21-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 468,514.1 E 1,481,981.7	10.2 ft	8.1 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.0 ft / 6.2ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C485 (0.0 - 0.5)		n.a.	n. r.	10.1	0		**Asphalt.**	FID Background = 0.0 ppm
					1		**Sand (SP)**: Very dark brown [10YR 2/2] hydrocarbon staining, fine to medium grained sand, rounded, dry, polymictic. strong hydrocarbon odor (FILL).	
C032C486 (0.5 - 2.0)		n.a.	n. r.		2		at 0.5 ft.: Light olive brown [2.5Y 5/6], no hydrocarbon odor.	Hole backfilled with cement-bentonite grout after completion.
		n a	n r					
C032C487 (2.0 - 4.0)					3			
					4		at 4.0 ft.: wet.	
		n.a.	n. r.		5			
C032C488 (4.0 - 8.0)					6			
					7			
				2.1	8		**TOTAL DEPTH = 8.1 FEET**	



SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-32

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:42:31 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-33

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-23-02	05-23-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 470,252.6 E 1,480,604.9	8.0 ft	8.2 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 2.0ft	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C489 (0.0 - 0.5)		n.a.	n. r.	7.8	0		**Asphalt.**	PID Background = 0.4 ppm
					1		**Sand with gravel (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, some fine and coarse gravel, angular, moist, some clay, with asphalt fragments. (FILL).	
C032C491 (0.5 - 2.0) C032C490 (0.5 - 2.0)		n.a.	n.r.		2			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.					
C032C492 (2.0 - 4.0)					3			
					4			
				3.0	5		**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, rounded, moist, polymictic. (FILL).	
		n.a.	n. r.					
C032C493 (4.0 - 8.0)					6		at 6.0 ft.: wet.	
					7			
				-0.2	8		**TOTAL DEPTH = 8.2 FEET**	

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	Alameda Point, Alameda, CA	32EDC-12-33

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:42:37 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-12-34

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-22-02	05-22-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 469,946.9 E 1,480,578.9	8.3 ft	8.3 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 7.8 ft / 0.5ft	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C494 (0.0 - 0.5)		n.a.	n. r.	8.0	0		**Asphalt.**	FID Background = 0.6 ppm
					1		**Sand with gravel (SP)**: Dark yellowish brown [10YR 4/6], fine to medium grained sand, some fine and coarse gravel, angular, moist, some fines. moderate hydrocarbon odor (FILL).	
C032C495 (0.5 - 2.0)		n.a.	n. r.	6.3	2			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.				**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, rounded, dry, polymictic, some angular gravel and asphalt fragments. (FILL).	
C032C496 (2.0 - 4.0)					3			
					4		at 4.2 ft.: Dark gray [2.5Y 4/1] hydrocarbon staining, strong hydrocarbon odor.	
					5			
		n.a.	n. r.		6			
C032C497 (4.0 - 8.0)					7		at 7.0 ft.: Very dark gray [2.5Y 3/1] hydrocarbon staining, strong hydrocarbon odor.	
							at 7.8 ft.: wet.	
				0.0	8			
							TOTAL DEPTH = 8.3 FEET	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-12-34

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:42:42 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-17-1

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-29-02	05-29-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 468,067.6 E 1,481,115.2	9.6 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.8 ft / 1.8ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C498 (0.0 - 0.5)		n.a.	n.r.				**Organic Soil (OL/OH)**: (TOPSOIL).	Hole backfilled with cement-bentonite grout after completion.
				8.6	1		**Sand (SP)**: Olive brown [2.5Y 4/4]. fine to medium grained sand, rounded, moist, polymictic, minor shell fragments. (FILL).	
C032C499 (0.5 - 2.0)		n.a.	n.r.					
		n.a.	n.r.		2			
C032C500 (2.0 - 4.0)					3			
					4			
		n.a.	n.r.		5			
C032C501 (4.0 - 8.0)					6			
					7			
				1.6	8		at 7.8 ft.: wet.	

TOTAL DEPTH = 8.0 FEET

REGISTERED GEOLOGIST
CATHIE L. STUMPENHAUST
No. 4451
Exp. 2/29/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-17-1

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:07:24 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-17-2

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-30-02	05-30-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 468,067.6 E 1,481,397.3	10.3 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ not encountered	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C502 (0.0 - 0.5)		n.a.	n.r.	9.8	0		**Organic Soil (OL/OH)**. (TOPSOIL).	Hole backfilled with cement-bentonite grout after completion.
C032C503 (0.5 - 2.0)		n.a.	n.r.		1		**SAND (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, rounded, moist, polymictic. (FILL).	
		n.a.	n.r.		2			
C032C504 (2.0 - 4.0)					3			
					4			
		n.a.	n.r.		5			
C032C505 (4.0 - 8.0)					6			
					7			
				2.3	8			
							TOTAL DEPTH = 8.0 FEET	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-17-2

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:10:31 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-17-3

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-30-02	05-30-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 467,785.5 E 1,481,679.2	8.8 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 1.8ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C506 (0.0 - 0.5)		n.a.	n.r.	8.3	0		**Organic Soil (OL/OH)**. grass with rootlets. (TOPSOIL).	Hole backfilled with cement-bentonite grout after completion.
C032C508 (0.5 - 2.0) / C032C507 (0.5 - 2.0)		n.a.	n.r.		1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, rounded, moist, polymictic, minor shell fragments. (FILL).	
		n.a.	n.r.		2			
C032C509 (2.0 - 4.0)					3			
					4			
		n.a.	n.r.		5			
C032C510 (4.0 - 8.0)					6			
					7		at 7.0 ft.: wet.	
				0.8	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 Exp 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-17-3

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:10:36 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-17-4

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-30-02	05-30-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 468,052.7 E 1,481,664.3	11.4 ft	10.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 8.0 ft / 3.4ft	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
					1		**Sand with gravel (GP)**: Brown [10YR 5/3], (CONSTRUCTION FILL).	Hole backfilled with cement-bentonite grout after completion.
				9.4	2		
C032C511 (0.0 - 0.5)		n.a.	n.r.				**Sand (SP)**: Olive brown [2.5Y 4/4], medium grained sand, rounded, dry to moist, polymictic. (FILL).	
C032C512 (0.5 - 2.0)		n.a.	n.r.		3			
		n.a.	n.r.		4			
C032C513 (2.0 - 4.0)					5			
					6			
		n.a.	n.r.		7			
C032C514 (4.0 - 8.0)					8		at 8.0 ft.: wet.	
					9			
				1.4	10			

TOTAL DEPTH = 10.0 FEET

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-17-4

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:07:42 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-17-5

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-30-02	05-30-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 467,778.1 E 1,481,956.4	9.9 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.5 ft / 2.4ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (#BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C515 (0.0 - 0.5)		n.a.	n. r.				**Topsoil**.	Hole backfilled with cement-bentonite grout after completion.
				8.9	1			
C032C516 (0.5 - 2.0)		n.a.	n. r.				**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, rounded, moist, minor shell fragments. (FILL).	
		n.a.	n. r.		2			
C032C517 (2.0 - 4.0)					3			
					4			
		n.a.	n. r.		5			
C032C518 (4.0 - 8.0) C032C519 (4.0 - 8.0)					6			
					7		at 7.5 ft.: wet.	
				1.9	8			
							TOTAL DEPTH = 8.0 FEET	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-17-5

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:07:48 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-17-6

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-30-02	05-30-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 467,559.9 E 1,482,258.5	8.0 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / 3.0ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.5			**Asphalt**: over road base.	Hole backfilled with cement-bentonite grout after completion.
C032C520 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, rounded, dry to moist, polymictic, some shell fragments. (FILL)	
C032C521 (0.5 - 2.0)		n.a.	n. r.		2			
		n.a.	n. r.		3			
C032C522 (2.0 - 4.0)					4		at 4.0 ft.: laminated.	
					5		at 5.0 ft.: wet.	
		n.a.	n. r.		6		at 5.5 ft.: 0.2-foot thick Clay layer, dark gray, wet.	
C032C523 (4.0 - 8.0)					7			
					8			
				-0.5			**TOTAL DEPTH = 8.5 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-17-6

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:10:42 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-17-7

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-30-02	05-30-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 467,801.7 E 1,482,244.3	9.4 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 2.4ft ▼	n.a.	Tim Mote	Cathie Stumpenhaus RG 4451	Vertical	1.75 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C524 (0.0 - 0.5)		n a	n r	8.4	1		**Organic Soil (OL/OH)**. (TOPSOIL).	Hole backfilled with cement-bentonite grout after completion.
							Shells with sand	
C032C525 (0.5 - 2.0)		n.a.	n. r.	7.4	2		**Sand (SP)**: Olive brown [2.5Y 4/4], fine to medium grained sand, rounded, moist, polymictic. (FILL).	
		n.a.	n. r.		3			
C032C526 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032C527 (4.0 - 8.0)					7		at 7.0 ft.: wet.	
					8			
				0.4	9			
							TOTAL DEPTH = 9.0 FEET	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-17-7

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:08:00 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-17-8

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-31-02	05-31-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 467,501.5 E 1,482,525.1	8.9 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / 3.9ft	n.a.	Stephen Quayle	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (#BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				8.6	0		**Asphalt**: over road base.	Hole backfilled with cement-bentonite grout after completion.
C032C528 (0.0 - 0.5)		n.a.	n. r.	8.4	1		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, dry to moist, with shell fragments. no hydrocarbon odor (FILL).	
C032C530 (0.5 - 2.0) C032C529 (0.5 - 2.0)		n.a.	n. r.		2			
C032C531 (2.0 - 4.0)					3			
					4			
		n.a.	n.r.		5		at 5.0 ft.: wet.	
C032C532 (4.0 - 8.0)				2.9	6		**Clay (CH)**: Dark greenish gray [5GY 4/1], wet, high plasticity, no hydrocarbon odor (BAY MUD).	
				1.9	7		**Sand (SP)**: Olive [5Y 5/3], fine grained sand, wet, some shell fragments. no hydrocarbon odor (BAY SEDIMENT).	
					8			
				0.4			**TOTAL DEPTH = 8.5 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-17-8

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:08:06 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-17-9

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-31-02	05-31-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 467,786.8 E 1,482,527.2	10.6 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 8.0 ft / 2.6ft ▼	n.a.	Stephen Quayle	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				10.1	0		**Asphalt**: over road base.	Hole backfilled with cement-bentonite grout after completion.
C032C533 (0.0 - 0.5)		n.a.	n. r.	9.6	1		**Sand (SP)**: Light olive brown [2.5Y 5/4]. fine grained sand. moist, moderate hydrocarbon odor (FILL).	
C032C534 (0.5 - 2.0)					2		at 1.3 ft.: ~1 inch tar-like layer.	
		n.a.	n. r.		3		at 3.0 ft.: no hydrocarbon odor.	
C032C535 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032C537 (4.0 - 8.0) C032C536 (4.0 - 8.0)					7			
					8		at 7.5 ft.: with shell fragments. at 8.0 ft.: wet.	
				1.6	9		**TOTAL DEPTH = 9.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-17-9

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:08:13 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-21-1

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-29-02	05-29-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 472,869.8 E 1,483,127.3	10.9 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ not encountered ▼	n.a.	Stephen Quayle	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C538 (0.0 - 0.5)		n.a.	n. r.	10.4	0		**Asphalt**.	FID Background = 0.88 ppm
					1		**Sand (SW)**: Very dark grayish brown [2.5Y 3/2], fine to coarse grained sand, trace fine gravel, moist, no hydrocarbon odor (FILL).	
C032C539 (0.5 - 2.0)				9.4	2		**Clayey sand (SC)**: Dark yellowish brown [10YR 4/4] with Yellowish brown [10YR 5/6] mottling, fine to coarse grained sand, some fine gravel, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		3			
C032C540 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032C541 (4.0 - 8.0)					7			
					8			
				2.4			**TOTAL DEPTH = 8.5 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-21-1

Report form: CTO-032 ALAMEDA BORING LOG Time: 5:11:34 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-21-2

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-29-02	05-29-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 473,150.7 E 1,483,117.2	9.2 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.5 ft / 2.7ft ▼	n.a.	Stephen Quayle	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				8.7	0		**Asphalt**.	FID Background = 3.03 ppm
C032C542 (0.0 - 0.5)		n.a.	n. r.		1		**Clayey sand (SC)**: Dark grayish brown [2.5Y 4/2], fine to coarse grained sand, some fine gravel, moist, no hydrocarbon odor (FILL).	
				7.7				
C032C543 (0.5 - 2.0)					2		**Sandy clay (CL)**: Olive brown [2.5Y 4/3], fine to coarse grained sand, some fine gravel, moist, low to medium plasticity, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		3			
C032C544 (2.0 - 4.0)					4		at 3.5 ft.: Dark gray [5Y 4/1], medium to coarse grained sand, trace fine gravel, medium plasticity.	
				4.2	5		**Sand (SP)**: Dark greenish gray [5GY 4/1], fine grained sand, moist, no hydrocarbon odor (FILL).	
		n.a.	n.r.		6			
C032C545 (4.0 - 8.0)					7		at 6.5 ft.: wet.	
					8			
				0.7			**TOTAL DEPTH = 8.5 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-21-2

Report form: CTO-032 ALAMEDA BORING LOG Time: 5:11:39 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-21-3

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-29-02	05-29-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 473,464.7 E 1,483,084.7	7.8 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY / REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ not encountered	n.a.	Stephen Quayle / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (#BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C546 (0.0 - 0.5)		n.a.	n.r.	7.3	0		**Sand (SP)**: Very dark grayish brown [10YR 3/2], fine grained sand, dry to moist, some wood chips. no hydrocarbon odor (FILL).	PID Background = 0.80 ppm
C032C548 (0.5 - 2.0) C032C547 (0.5 - 2.0)		n.a.	n.r.		1		**Clayey sand (SC)**: Dark yellowish brown [10YR 4/4] with Yellowish brown [10YR 5/6] mottling, fine to coarse grained sand, some fine gravel, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C549 (2.0 - 4.0)				4.8	2			
					3		**Sandy clay (CL)**: Dark yellowish brown [10YR 4/4] with Yellowish brown [10YR 5/6] and gray mottling, fine to coarse grained sand, some fine gravel, no hydrocarbon odor (FILL).	
					4			
		n.a.	n.r.	2.8	5		**Sand (SP)**: Light olive brown [2.5Y 5/3], fine grained sand, trace fine gravel, moist, no hydrocarbon odor (FILL).	
C032C550 (4.0 - 8.0)					6			
					7			
				-0.2	8		**TOTAL DEPTH = 8.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-21-3

Report form: CTO-032 ALAMEDA BORING LOG Time: 5:11:46 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-21-4

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-29-02	05-29-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 472,882.2 E 1,483,379.6	10.4 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 2.0 ft / 8.4ft ▼	n.a.	Stephen Quayle	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C551 (0.0 - 0.5)		n.a.	n.r.				**Sandy clay (SC)**: Dark yellowish brown [10YR 4/4] with Yellowish brown [10YR 5/6] mottling, fine to coarse grained sand, some fine gravel, no hydrocarbon odor (FILL).	FID Background = 2.74 ppm
C032C552 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2		at 2.0 ft.: wet.	
					7.9		**Clay (CH)**: Dark gray [5Y 4/1], trace fine grained sand, wet, high plasticity, no hydrocarbon odor (BAY MUD).	
C032C553 (2.0 - 4.0)					3			
					4			
		n.a.	n.r.		5			
					6			
					7			
					2.4 8		**TOTAL DEPTH = 8.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-21-4

Report form: CTO-032 ALAMEDA BORING LOG Time: 5:11:51 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-21-5

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-29-02	05-29-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 473,154.7 E 1,483,385.0	8.3 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ not encountered ▼	n.a.	Stephen Quayle	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (#BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C555 (0.0 - 0.5)		n.a.	n.r.	7.8	0		**Asphalt**.	PID Background = 2.28 ppm
				7.3	1		**Sand (SW)**: Very dark grayish brown [2.5Y 3/2], fine to coarse grained sand, moist, no hydrocarbon odor (FILL).	
C032C556 (0.5 - 2.0)					2		**Clayey sand (SC)**: Dark yellowish brown [10YR 4/4] with Yellowish brown [10YR 5/6] mottling, fine to coarse grained sand, some fine gravel, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.	5.8	3		**Clay (CH)**: Dark gray [5Y 4/1], moist, high plasticity, no hydrocarbon odor (BAY MUD).	
		n.a.	n.r.		6			
				-0.2	8		**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-21-5

Report form: CTO-032 ALAMEDA BORING LOG Time: 5:11:55 PM

BORING LOG

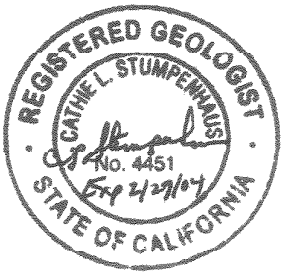
PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-21-6

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-30-02	05-30-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 473,464.7 E 1,483,377.1	6.5 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 3.5 ft / 3.0ft	n.a.	Stephen Quayle	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (#BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				6.0	0		**Asphalt**.	FID Background = 0.44 ppm
C032C560 (0.0 - 0.5)		n.a.	n.r.		1		**Clayey sand (SC)**: Olive gray [5Y 4/2], fine to coarse grained sand, trace fine gravel, moist, moderate hydrocarbon odor (FILL).	
C032C561 (0.5 - 2.0)					2		at 1.5 ft.: Dark yellowish brown [10YR 4/4] with Yellowish brown [10YR 5/6] mottling, some fine gravel, no hydrocarbon odor.	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.	3.8	3		**Sandy clay (CL)**: Dark yellowish brown [10YR 4/4] with Yellowish brown [10YR 5/6] mottling, fine to coarse grained sand, no hydrocarbon odor (FILL).	
C032C562 (2.0 - 4.0)				3.0	4		**Clay (CH)**: Dark greenish gray [5GY 4/1], wet, high plasticity, no hydrocarbon odor (BAY MUD).	
		n.a.	n.r.		5			
					6			
					7			
					8			
				-2.0			**TOTAL DEPTH = 8.5 FEET**	



SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-21-6

Report form: CTO-032 ALAMEDA BORING LOG Time: 5:12:00 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-21-7

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-29-02	05-29-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 472,844.7 E 1,483,667.2	11.1 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ not encountered ▼	n.a.	Stephen Quayle	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				10.6	0		**Asphalt**.	FID Background = 1.84 ppm
C032C564 (0.0 - 0.5)		n.a.	n.r.	10.1	1		**Sand (SW)**: Very dark grayish brown [2.5Y 3/2], fine to coarse grained sand, trace fine gravel, moist, no hydrocarbon odor (FILL).	
C032C565 (0.5 - 2.0)					2		**Clayey sand (SC)**: Dark yellowish brown [10YR 4/4] with Yellowish brown [10YR 5/6] mottling, fine to coarse grained sand, some fine gravel, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.	8.6	3		**Sand with gravel (SW)**: Light olive brown [2.5Y 5/3], fine to coarse grained sand and fine gravel, with fine gravel, moist, no hydrocarbon odor (FILL).	
C032C566 (2.0 - 4.0)					4			
				6.6	5		**Sand (SW)**: Olive yellow [2.5Y 6/6], fine and coarse grained sand, moist, no hydrocarbon odor (FILL).	
		n.a.	n.r.		6			
C032C567 (4.0 - 8.0)					7			
				2.6	8			

TOTAL DEPTH = 8.5 FEET

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-21-7

Report form: CTO-032 ALAMEDA BORING LOG Time: 5:12:04 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-21-8

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-30-02	05-30-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 473,181.2 E 1,483,656.8	9.5 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ not encountered	n.a.	Stephen Quayle	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C568 (0.0 - 0.5)		n.a.	n.r.	9.0	0		**Asphalt**.	FID Background = 0.75 ppm
				8.3	1		**Sand (SW)**: Olive gray [5Y 4/2], fine to coarse grained sand, trace fine gravel, moist, no hydrocarbon odor (FILL).	
C032C570 (0.5 - 2.0) C032C569 (0.5 - 2.0)					2		**Clayey sand (SC)**: Dark yellowish brown [10YR 4/4] with Yellowish brown [10YR 5/6] mottling, fine to coarse grained sand, some fine gravel, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		3			
C032C571 (2.0 - 4.0)					4			
					5			
		n.a.	n.r.		6		at 5.5 ft.: trace fine gravel.	
C032C572 (4.0 - 8.0)					7			
					8			
				1.0			**TOTAL DEPTH = 8.5 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-21-8

Report form: CTO-032 ALAMEDA BORING LOG Time: 5:12:09 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-21-9

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-30-02	05-30-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 472,854.6 E 1,483,957.3	11.1 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ not encountered	n.a.	Stephen Quayle	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C573 (0.0 - 0.5)		n.a.	n.r.	10.6	0		**Sand (SP)**: Light olive brown [2.5Y 5/3], fine grained sand, moist, no hydrocarbon odor (FILL).	FID Background = 0.34 ppm
C032C574 (0.5 - 2.0)		n.a.	n.r.		1		**Clayey sand (SC)**: Dark yellowish brown [10YR 4/4] with Yellowish brown [10YR 5/6] mottling, fine to coarse grained sand, some fine gravel, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
					2			
C032C575 (2.0 - 4.0)		n.a.	n.r.		3		at 3.0 ft.: Yellowish brown [10YR 5/6], fine to medium grained sand, trace coarse grained sand and fine gravel.	
					4			
C032C576 (4.0 - 8.0)		n.a.	n.r.		5			
					6			
					7			
				3.1	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST
CATHIE L. STUMPENHAUS
No. 4451
Exp. 2/29/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-21-9

Report form: CTO-032 ALAMEDA BORING LOG Time: 5:12:14 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-21-10

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-30-02	05-30-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 473,174.6 E 1,483,957.4	10.0 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ not encountered	n.a.	Stephen Quayle	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C577 (0.0 - 0.5)		n.a.	n.r.				**Clayey sand (SC)**: Dark yellowish brown [10YR 4/4] with Yellowish brown [10YR 5/6] mottling, fine to coarse grained sand, trace fine gravel, no hydrocarbon odor (FILL).	FID Background = 0.32 ppm
C032C578 (0.5 - 2.0)				9.0	1		**Sandy clay (CL)**: Olive [5Y 5/3]. fine to coarse grained sand. trace fine gravel, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2			
C032C579 (2.0 - 4.0)				7.0	3		**Clayey sand (SC)**: Yellowish brown [10YR 5/6], fine to medium grained sand, trace coarse grained sand, moist, no hydrocarbon odor (FILL).	
					4			
		n.a.	n.r.		5			
				4.5			**Clay (CH)**: Dark greenish gray [5GY 4/1] with red oxidized mottling, moist, high plasticity, no hydrocarbon odor (BAY MUD).	
C032C581 (4.0 - 8.0) C032C580 (4.0 - 8.0)					6			
					7			
				2.0	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 Exp 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-21-10

Report form: CTO-032 ALAMEDA BORING LOG Time: 5:13:22 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-21-11

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-30-02	05-30-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 472,884.7 E 1,484,247.3	9.9 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.0 ft / 5.9ft ▼	n.a.	Stephen Quayle	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (#BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C582 (0.0 - 0.5)		n.a.	n.r.		0		**Clayey sand (SC)**: Dark yellowish brown [10YR 4/4] with Yellowish brown [10YR 5/6] mottling, fine to coarse grained sand, trace fine gravel, moist, no hydrocarbon odor (FILL).	FID Background = 0.37 ppm
C032C583 (0.5 - 2.0)				8.7	1		**Sand (SP)**: Very dark grayish brown [10YR 3/2], fine grained sand, trace fine gravel, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
				8.1				
		n.a.	n.r.		2		**Clayey sand (SC)**: Dark yellowish brown [10YR 4/4] with Yellowish brown [10YR 5/6] mottling, fine to coarse grained sand, trace fine gravel, moist, no hydrocarbon odor (FILL).	
C032C584 (2.0 - 4.0)					3			
				5.9	4		**Clay (CH)**: Dark greenish gray [5GY 4/1], wet, trace wood fragment. no hydrocarbon odor (BAY MUD).	
		n.a.	n.r.		5			
					6		at 6.0 ft.: thin interbedded layer of fine grained sand, Dark greenish gray [5GY 4/1].	
					7			
				1.9	8		**TOTAL DEPTH = 8.0 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-21-11

Report form: CTO-032 ALAMEDA BORING LOG Time: 5:13:28 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32EDC-21-12

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-30-02	05-30-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 472,894.8 E 1,484,537.0	11.5 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / 6.5ft ▼	n.a.	Karl Brunkhorst	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C586 (0.0 - 0.5)		n.a.	n.r.	11.2	0		**Topsoil.**	FID Background = 0.54 ppm
					1		**Sandy clay (CL)**: Strong brown [7.5YR 4/6], fine to coarse grained sand, trace fine and coarse gravel, moist, no hydrocarbon odor (FILL).	
C032C587 (0.5 - 2.0)								Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2			
C032C588 (2.0 - 4.0)					3		at 3.0 ft.: increase in fine grained sand.	
					4			
		n.a.	n.r.	6.5	5		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, saturated, (FILL).	
C032C590 (4.0 - 8.0) C032C589 (4.0 - 8.0)					6			
				5.0			**Clay (CL)**: Dark greenish gray [5GY 4/1], wet, with shell fragments. (BAY MUD).	
				4.5	7		**Sand (SP)**: Olive brown [2.5Y 4/4], fine grained sand, poorly graded, wet, (BAY SEDIMENT). at 7.5 ft.: Dark greenish gray [5GY 4/1].	
				3.5	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32EDC-21-12

Report form: CTO-032 ALAMEDA BORING LOG Time: 5:13:34 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-1

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-13-02	05-13-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 474,645.0 E 1,471,334.5	5.2 ft	8.3 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 3.0 ft / 2.2ft	n.a.	Stephen Quayle / Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C037 (0.0 - 0.5)		n.a.	n.r.	4.9	0		**Asphalt**.	FID Background – 0.15 ppm
					1		**Sand (SP)**: Brown [10YR 4/3], fine grained sand, moist, no hydrocarbon odor (FILL). at 1.0 ft.: light olive brown (2.5Y 5/4), fine to medium sand.	Hole backfilled with cement-bentonite grout after completion.
C032C038 (0.5 - 2.0)				3.2	2		**Clayey Sand (SC)**: Dark gray [5Y 4/1], fine to medium grained sand, trace fine gravel, moist, no hydrocarbon odor (FILL).	
		n.a.	n.r.	2.2	3		**Sand (SP)**: Dark greenish gray [5GY 4/1], fine grained sand, wet, no hydrocarbon odor (FILL).	
C032C039 (2.0 - 4.0)					4			
		n.a.	n.r.		5		at 5.5 ft.: trace fine gravel, some shells. strong hydrocarbon odor.	
C032C040 (4.0 - 8.0)					6			
					7			
		n.a.	n.r.		8			
				-3.1			**TOTAL DEPTH = 8.3 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-1

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:52:09 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-2

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-13-02	05-13-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,645.1 E 1,471,797.3	5.7 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.0 ft / 1.7ft	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C041 (0.0 - 0.5)		n.a.	n.r.		0		**Sand (SP)**: Olive [5Y 5/3], fine grained sand, trace fine gravel, moist, no hydrocarbon odor (FILL).	FID Background = 1.32 ppm
C032C042 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2			
C032C043 (2.0 - 4.0)					3			
					4		at 4.0 ft.: wet.	
		n.a.	n.r.		5			
C032C044 (4.0 - 8.0)					6			
					7		at 6.5 ft.: Olive gray [5Y 4/2].	
				-2.3	8			
							TOTAL DEPTH = 8.0 FEET	

REGISTERED GEOLOGIST
ERIC K. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-2

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:52:14 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-3

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-13-02	05-13-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,644.9 E 1,472,260.7	5.6 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 1.5 ft / 4.1ft	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C045 (0.0 - 0.5)		n.a.	n.r.		0		**Sand (SP)**. Olive brown [2.5Y 4/3], fine grained sand, trace fine gravel, moist, no hydrocarbon odor (FILL).	FID Background = 1.80 ppm
C032C047 (0.5 - 2.0) C032C046 (0.5 - 2.0)		n.a.	n.r.		1		at 0.5 ft.: Dark greenish gray [5GY 4/1] with brown mottling, no fine gravel.	
					2		at 1.5 ft.: wet.	Hole backfilled with cement-bentonite grout after completion.
C032C048 (2.0 - 4.0)					3			
					4			
C032C049 (4.0 - 8.0)		n.a.	n.r.		5			
					6			
					7			
				-2.4	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-3

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:52:21 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-4

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-13-02	05-13-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,644.9 E 1,472,723.6	5.2 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 2.0 ft / 3.2ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C050 (0.0 - 0.5)		n.a.	n. r.				**Sand (SP)**: Olive brown [2.5Y 4/3], fine grained sand, moist, no hydrocarbon odor (FILL).	FID Background = 1.62 ppm
					1		at 0.5 ft.: light olive brown [2.5Y 5/4].	
C032C051 (0.5 - 2.0)								Hole backfilled with cement-bentonite grout after completion.
							at 1.5 ft.: dark greenish gray [5GY 4/1].	
		n.a.	n.r.		2		at 2.0 ft.: wet.	
C032C052 (2.0 - 4.0)					3			
					4			
		n.a.	n.r.		5		at 5.0 ft.: olive [5Y 4/4].	
C032C053 (4.0 - 8.0)					6			
					7			
				-2.8	8			
							TOTAL DEPTH = 8.0 FEET	

REGISTERED GEOLOGIST
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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-4

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:52:26 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-5

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-21-02	05-21-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,403.9 E 1,473,186.7	7.3 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.5 ft / 1.8ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C054 (0.0 - 0.5)		n.a.	n.r.				**Sand with Gravel (SW)**. Very dark grayish brown [2.5Y 3/2], fine to coarse grained sand, fine gravel, moist, no hydrocarbon odor (FILL).	FID Background = 1.26 ppm
C032C055 (0.5 - 2.0)				6.3	1		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2		at 2.0 to 3.0 feet bgs, alternating thin clay layers approximately 1 inch thick	
C032C056 (2.0 - 4.0)					3			
					4			
		n.a.	n.r.		5		at 5.5 ft.: wet.	
C032C058 (4.0 - 8.0) C032C057 (4.0 - 8.0)					6			
					7			
				-0.7	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-5

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:52:32 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-6

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-21-02	05-21-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,867.0 E 1,473,186.5	9.7 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.5 ft / 3.2ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete: Over base rock.	FID Background = 0.30 ppm
C032C059 (0.0 - 0.5)		n.a.	n.r.	8.7	1		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C060 (0.5 - 2.0)					2			
		n.a.	n.r.		3			
C032C061 (2.0 - 4.0)					4			
					5			
		n.a.	n.r.		6		at 6.5 ft.: wet.	
C032C062 (4.0 - 8.0)					7			
					8			
				0.7	9			

TOTAL DEPTH = 9.0 FEET

REGISTERED GEOLOGIST
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Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-6

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:52:38 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-7

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-20-02	05-20-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,329.9 E 1,473,186.7	8.0 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.0 ft / 4.0ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C063 (0.0 - 0.5)		n.a.	n.r.		0		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL).	FID Background = 0.42 ppm
C032C064 (0.5 - 2.0)		n.a.	n.r.		1			Hole backfilled with cement-bentonite grout after completion.
C032C065 (2.0 - 4.0)		n.a.	n.r.		2			
C034C066 (4.0 - 8.0)					3			
					4		at 4.0 ft.: wet.	
					5			
					6			
					7			
				0.0	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST
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No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-7

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:52:44 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-8

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-20-02	05-20-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,793.9 E 1,473,188.6	7.2 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 3.0 ft / 4.2ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C067 (0.0 - 0.5)		n.a.	n.r.		0		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, dry, no hydrocarbon odor (FILL).	FID Background = 0.30 ppm
C032C069 (0.5 - 2.0) C032C068 (0.5 - 2.0)		n.a.	n.r.		1		at 1.0 ft.: moist	Hole backfilled with cement-bentonite grout after completion.
C032C070 (2.0 - 4.0)		n.a.	n.r.		2		at 3.0 ft.: Olive [5Y 5/3], wet.	
C032C071 (4.0 - 8.0)		n.a.	n.r.		3			
					4			
					5			
					6			
					7			
				-0.8	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST
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STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-8

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:52:52 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-9

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-20-03	05-20-03

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,256.0 E 1,473,186.6	7.7 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / 2.7ft	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C072 (0.0 - 0.5)		n.a.	n.r.		0		**Sand (SP)**. Light olive brown [2.5Y 5/4], fine grained sand, dry, no hydrocarbon odor (FILL).	FID Background = 0.50 ppm
C032C073 (0.5 - 2.0)					1		at 1.0 ft.: moist.	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2			
C032C074 (2.0 - 4.0)					3			
					4			
		n.a.	n.r.		5		at 5.0 ft.: wet.	
C032C075 (4.0 - 8.0)					6			
					7			
				-0.4	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST
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No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-9

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:52:58 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-10

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-15-02	05-15-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,719.1 E 1,473,186.6	5.9 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 2.0 ft / 3.9ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C076 (0.0 - 0.5)		n.a.	n.r.		0		**Sand (SP)**. Brown [10YR 4/3], fine grained sand, dry, no hydrocarbon odor (FILL).	FID Background = 1.40 ppm
C032C077 (0.5 - 2.0)					1		at 1.0 ft.: moist.	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2		at 2.0 ft.: wet.	
C032C078 (2.0 - 4.0)					3			
					4			
		n.a.	n.r.		5			
C032C080 (4.0 - 8.0) C032C079 (4.0 - 8.0)					6			
					7			
				-2.1	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-10

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:53:57 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-11

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-15-02	05-15-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 474,181.9 E 1,473,186.6	5.2 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz.)**	**HOLE DIAMETER**
▽ 3.0 ft / 2.2ft ▼	n.a.	Stephen Quayle / Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C081 (0.0 - 0.5)		n.a.	n. r.	4.7	0		**Asphalt**.	FID Background = 1.29 ppm
C032C082 (0.5 - 2.0)		n.a.	n. r.		1		**Sand (SP)**: Olive [5Y 5/3], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C083 (2.0 - 4.0)		n.a.	n. r.		2		at 3.0 ft.: wet.	
C032C084 (4.0 - 8.0)		n.a.	n. r.	-3.3	3		at 3.5 ft.: Light olive brown [2.5Y 5/4].	
					4			
					5			
					6			
					7			
					8		**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
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Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-11

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:54:03 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-12

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-13-02	05-13-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,645.0 E 1,473,186.6	7.6 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 3.0 ft / 4.6ft	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				6.6	1		**Asphalt**. Over base rock.	FID Background = 1.49 ppm
C032C085 (0.0 - 0.5)		n a	n r	6.1			**Sand with Gravel (SW)**: Olive brown [2.5Y 4/4], fine to coarse grained sand, some subangular fine gravel, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C086 (0.5 - 2.0)					2		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL).	
		n.a.	n. r.		3		at 3.0 ft.: wet.	
C032C087 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032C088 (4.0 - 8.0)					7			
					8			
				-1.4	9			

TOTAL DEPTH = 9.0 FEET

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-12

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:54:10 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-13

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-21-02	05-21-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,403.9 E 1,473,649.7	6.4 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.0 ft / 2.4ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C089 (0.0 - 0.5)		n.a.	n.r.		0		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, dry, no hydrocarbon odor (FILL).	FID Background = 0.83 ppm
C032C091 (0.5 - 2.0) C032C090 (0.5 - 2.0)					1		at 1.0 ft : moist	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2			
C032C092 (2.0 - 4.0)					3			
				2.9			**Clayey Sand (SC)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL).	
				2.4	4		**Sand (SP)**: Light olive brown [2.5Y 5/4], wet, no hydrocarbon odor (FILL).	
		n.a.	n.r.		5		at 5.0 ft.: Olive [5Y 5/3], fine grained sand.	
C032C093 (4.0 - 8.0)					6			
					7			
				-1.6	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST
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Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-13

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:54:16 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-14

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-21-02	05-21-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,866.7 E 1,473,649.8	10.0 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.5 ft / 3.5ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Asphalt: Over base rock.	FID Background = 0.90 ppm
C032C094 (0.0 - 0.5)		n.a.	n.r.	9.0	1		Very dark grayish brown [2.5Y 3/2], fine grained sand, moist, no hydrocarbon odor (FILL). at 1.5 ft.: Light olive brown [2.5Y 5/4].	Hole backfilled with cement-bentonite grout after completion.
C032C095 (0.5 - 2.0)					2			
		n.a.	n.r.		3			
C032C096 (2.0 - 4.0)					4			
					5			
		n.a.	n.r.		6		at 6.5 ft.: wet.	
C032C097 (4.0 - 8.0)					7			
					8			
				1.0	9			

TOTAL DEPTH = 9.0 FEET

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-14

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:54:22 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-15

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-20-02	05-20-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,330.0 E 1,473,649.6	10.6 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.5 ft / 6.1ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C098 (0.0 - 0.5)		n.a.	n.r.	10.1	0		**Asphalt**: Over base rock.	FID Background = 0.87 ppm
				9.6	1		**Sand (SW)**: Very dark grayish brown [2.5Y 3/2], fine to coarse grained sand, some fine gravel, moist, no hydrocarbon odor (FILL)	
C032C099 (0.5 - 2.0)					2		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		3			
C032C100 (2.0 - 4.0)					4			
					5		at 4.5 ft.: Olive [5Y 5/3], wet.	
		n.a.	n.r.		6			
C032C102 (4.0 - 8.0) C032C101 (4.0 - 8.0)					7			
					8			
				2.1			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-15

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:54:28 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-16

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-20-02	05-20-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 472,793.0 E 1,473,649.6	9.1 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 4.5 ft / 4.6ft	n.a.	Stephen Quayle / Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C103 (0.0 - 0.5)		n.a.	n.r.		0		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, dry, no hydrocarbon odor (FILL).	FID Background = 0.85 ppm
C032C104 (0.5 - 2.0)					1		at 1.0 ft.: moist.	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2			
C032C105 (2.0 - 4.0)					3			
					4		at 4.5 ft.: Olive [5Y 5/4], wet.	
		n.a.	n.r.		5			
C032C106 (4.0 - 8.0)					6			
					7			
				1.1	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-16

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:54:33 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-17

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-17-02	05-17-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,256.0 E 1,473,649.6	7.9 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 3.0 ft / 4.9ft	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.4	0		**Asphalt**: Over base rock.	
C032C107 (0.0 - 0.5)		n.a.	n.r.		1		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C108 (0.5 - 2.0)					2			
		n.a.	n.r.		3		at 3.0 ft.: wet.	
C032C109 (2.0 - 4.0)					4			
					5			
		n.a.	n.r.		6			
C032C110 (4.0 - 8.0)					7			
					8			
				-0.7			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-17

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:54:38 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-18

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-16-02	05-16-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 473,718.9 E 1,473,649.5	8.3 ft	9.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 3.5 ft / 4.8ft ▼	n.a.	Stephen Quayle / Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Asphalt. Over base rock.	FID Background = 0.54 ppm
C032C111 (0.0 - 0.5)		n.a.	n.r.	7.3	1		**Sand (SW)**: Dark olive gray [5Y 3/2], fine to coarse grained sand, trace fine gravel, dry to moist, moderate hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
				6.8				
C032C113 (0.5 - 2.0) C032C112 (0.5 - 2.0)					2		**Sand (SP)**: Olive [5Y 5/3], fine grained sand, moist, trace shells. no hydrocarbon odor (FILL).	
		n.a.	n.r.		3			
C032C114 (2.0 - 4.0)					4		at 3.5 ft.: Light olive brown [2.5Y 5/3], wet.	
					5			
		n.a.	n.r.		6		at 6.0 ft.: Olive [5Y 5/3], some medium grained sand, some shells.	
C032C115 (4.0 - 8.0)					7			
					8			
				-0.7	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST
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No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-18

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:54:45 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-19

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-15-02	05-15-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,182.0 E 1,473,649.6	3.9 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 2.0 ft / 1.9ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C116 (0.0 - 0.5)		n.a.	n.r.	3.4	0		**Asphalt**: 6 inches.	FID Background = 1.26 ppm
					1		**Sand (SP)**: Dark greenish gray [5G 4/1], fine grained sand, moist, trace shells. no hydrocarbon odor (FILL).	
C032C117 (0.5 - 2.0)					2		at 2.0 ft.: wet.	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		3			
C032C118 (2.0 - 4.0)					4		at 4.5 ft.: Olive [5Y 5/3].	
					5			
		n.a.	n.r.		6			
C032C119 (4.0 - 8.0)					7			
					8			
				-4.7			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6843
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-19

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:54:50 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-20

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-13-02	05-13-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,645.1 E 1,473,649.7	4.7 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 3.5 ft / 1.2ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C120 (0.0 - 0.5)		n.a.	n.r.	4.2	0		**Asphalt**.	PID Background = 1.54 ppm
C032C121 (0.5 - 2.0)					1		**Sand (SP)**: Olive brown [2.5Y 4/3], fine grained sand, moist, no hydrocarbon odor (FILL). at 1.0 ft.: Light olive brown [2.5Y 5/4].	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2			
C032C122 (2.0 - 4.0)					3		at 3.5 ft.: wet.	
					4			
					5			
		n.a.	n.r.		6			
C032C124 (4.0 - 8.0) C032C123 (4.0 - 8.0)					7			
					8			
				-3.8			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6843
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-20

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:55:55 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-21

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-21-02	05-21-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,404.1 E 1,474,112.6	6.9 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.0 ft / 2.9ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C125 (0.0 - 0.5)		n.a.	n.r.		0		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, dry, no hydrocarbon odor (FILL).	FID Background = 1.75 ppm
C032C126 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2		at 1.5 ft.: moist.	
C032C127 (2.0 - 4.0)					3			
					4		at 4.0 ft.: wet.	
		n.a.	n.r.		5			
C032C128 (4.0 - 8.0)					6		at 5.5 ft.: trace shells.	
				-0.1	7		**Silty Sand (SM)**: Light olive brown [2.5Y 5/4], fine grained sand, wet, no hydrocarbon odor (FILL).	
				-1.1	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-21

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:56:02 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-22

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-21-02	05-21-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 471,867.0 E 1,474,112.7	9.5 ft	9.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 5.0 ft / 4.5ft	n.a.	Stephen Quayle / Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Asphalt: Over gravelly base rock.	FID Background = 0.50 ppm
C032C129 (0.0 - 0.5)		n.a.	n.r.	8.5	1		**Sand (SP)**: Very dark grayish brown [2.5Y 3/2], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C130 (0.5 - 2.0)					2		at 1.5 ft.: Light olive brown [2.5Y 5/4].	
		n.a.	n.r.		3			
C032C131 (2.0 - 4.0)					4			
					5		at 5.0 ft.: wet.	
		n.a.	n.r.		6			
C032C132 (4.0 - 8.0)					7			
					8			
				0.5	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST
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No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-22

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:56:08 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-23

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-20-02	05-20-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,330.1 E 1,474,112.7	8.8 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.0 ft / 4.8ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C133 (0.0 - 0.5)		n.a.	n.r.	8.3	0		**Asphalt**: Over base rock.	PID Background = 0.75 ppm
C032C135 (0.5 - 2.0) C032C134 (0.5 - 2.0)					1		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2			
C032C136 (2.0 - 4.0)					3			
					4		at 4.0 ft.: wet.	
					5			
		n.a.	n.r.		6			
C032C137 (4.0 - 8.0)					7			
					8			
				0.3			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
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No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-23

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:56:14 PM

BORING LOG

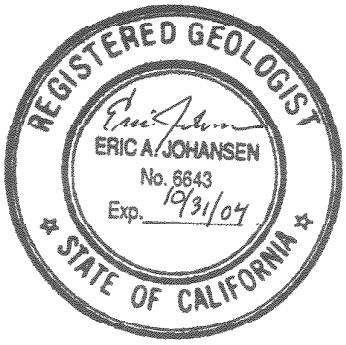
PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-24

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-20-02	05-20-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,793.0 E 1,474,112.6	12.1 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.0 ft / 8.1ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				11.1	1		**Concrete**: Over base rock.	PID Background = 0.32 ppm
C032C138 (0.0 - 0.5)		n.a.	n.r.		2		**Sand (SP)**: Very dark gravish brown [2.5Y 3/2], fine grained sand, trace coarse grained sand and fine gravel, moist, no hydrocarbon odor (FILL). at 1.5 ft.: Light olive brown [2.5Y 5/4].	Hole backfilled with cement-bentonite grout after completion.
C032C139 (0.5 - 2.0)					3			
		n.a.	n.r.		4		at 4.0 ft.: Olive [5Y 5/4], wet.	
C032C140 (2.0 - 4.0)					5			
		n.a.	n.r.		6			
C132C141 (4.0 - 8.0)					7			
					8			
				3.1	9		**TOTAL DEPTH = 9.0 FEET**	



SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-24

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:56:21 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-25

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-17-02	05-17-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,256.0 E 1,474,112.6	9.6 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 2.0 ft / 7.6ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (#BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C142 (0.0 - 0.5)		n.a.	n.r.	9.1	0		**Asphalt**: Over base rock.	
C032C143 (0.5 - 2.0)					1		**Sand (SP)**: Very dark grayish brown [2.5Y 3/2], fine grained sand, dry, no hydrocarbon odor (FILL). at 0.8 ft.: Light olive brown [2.5Y 5/4]. moist. at 1.5 ft.: Very dark grayish brown [2.5Y 3/2]. at 2.0 ft.: Light olive brown [2.5Y 5/4], wet.	Hole backfilled with cement-bentonite grout after completion.
C032C144 (2.0 - 4.0)		n.a.	n.r.		2			
C032C146 (4.0 - 8.0) C032C145 (4.0 - 8.0)		n.a.	n.r.		3			
					4			
					5			
					6			
					7			
				1.1	8		**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-25

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:56:27 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-26

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-16-02	05-16-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,719.1 E 1,474,112.5	7.9 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 3.0 ft / 4.9ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (#BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C147 (0.0 - 0.5)		n.a.	n.r.		0		**Sand (SP)**: Olive [5Y 5/3], fine grained sand, dry to moist, no hydrocarbon odor (FILL).	FID Background = 1.20 ppm
C032C148 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2			
C032C149 (2.0 - 4.0)					3		at 3.0 ft.: wet.	
					4			
		n.a.	n.r.		5			
C032C150 (4.0 - 8.0)					6			
					7			
				-0.1	8			
							TOTAL DEPTH = 8.0 FEET	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 12/31/07
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-26

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:56:32 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-27

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-15-02	05-15-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,182.0 E 1,474,112.6	7.8 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.0 ft / 3.8ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.3	0		**Asphalt**.	FID Background = 1.89 ppm
C032C151 (0.0 - 0.5)		n.a.	n.r.		1		**Sand (SP)**: Brown [10YR 4/3], fine grained sand, trace fine gravel, dry, no hydrocarbon odor (FILL). at 0.8 ft.: Light olive brown [2.5Y 5/4], moist.	Hole backfilled with cement-bentonite grout after completion.
C032C152 (0.5 - 2.0)					2			
		n.a.	n.r.		3			
C032C153 (2.0 - 4.0)					4		at 4.0 ft.: wet.	
					5			
		n.a.	n.r.		6			
C032C154 (4.0 - 8.0)					7			
					8			
				-0.7			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-27

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:56:39 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-28

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-13-02	05-13-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,645.1 E 1,474,112.6	7.0 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 3.5 ft / 3.5ft	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C155 (0.0 - 0.5)		n.a.	n.r.	6.5	0		**Asphalt**.	PID Background = 0.96 ppm
					1		**Sand (SP)**: Light olive brown [2.5Y 5/3], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C157 (0.5 - 2.0) C032C156 (0.5 - 2.0)					2			
		n.a.	n.r.		3			
C032C158 (2.0 - 4.0)					4		at 3.5 ft.: wet.	
					5			
		n.a.	n.r.		6			
C032C159 (4.0 - 8.0)					7			
					8			
				-1.5			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-28

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:56:44 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-29

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-21-02	05-21-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,404.0 E 1,474,575.6	6.2 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 3.0 ft / 3.2ft	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C160 (0.0 - 0.5)		n.a.	n.r.		0		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, dry, no hydrocarbon odor (FILL).	FID Background = 0.90 ppm
C032C161 (0.5 - 2.0)					1		at 1.0 ft.: moist.	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2			
C032C162 (2.0 - 4.0)					3		at 3.0 ft.: wet.	
					4			
		n.a.	n.r.		5			
C032C163 (4.0 - 8.0)					6			
					7			
				-1.8	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST
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No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-29

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:56:50 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-30

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-21-02	05-21-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,867.0 E 1,474,575.6	9.7 ft	9.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / 4.7ft	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
		n.a.	n.r.	9.2	0		**Asphalt**.	FID Background = 0.95 ppm
				8.7	1		**Sand (SP)**: with asphalt layers.	
				8.2			**Sand with Gravel (SW)**: base rock.	Hole backfilled with cement-bentonite grout after completion.
C032C164 (0.0 - 0.5)		n.a.	n.r.		2		**Sand (SP)**: Very dark grayish brown [2.5Y 3/2], fine grained sand, trace coarse grained sand, moist, no hydrocarbon odor (FILL).	
C032C165 (0.5 - 2.0)					3		at 2.0 ft.: Light olive brown [2.5Y 5/3], no coarse grained sand.	
					4			
C032C166 (2.0 - 4.0)					5		at 5.0 ft.: wet.	
		n.a.	n.r.		6			
					7			
C032C168 (4.0 - 8.0) C032C167 (4.0 - 8.0)		n.a.	n.r.		8			
					9			
				0.2			TOTAL DEPTH = 9.5 FEET	

REGISTERED GEOLOGIST
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Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-30

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:57:51 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-31

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-24-02	05-24-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,330.1 E 1,474,575.6	11.2 ft	10.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 4.2ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (#BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
					1		**Concrete**: Over base rock.	PID Background = 1.98 ppm
C032C169 (0.0 - 0.5)		n.a.	n.r.	9.2	2		**Sand (SP)**: Very dark brown [10YR 2/2], fine grained sand, moist, no hydrocarbon odor (FILL). at 2.5 ft.: Olive [5Y 5/4].	Hole backfilled with cement-bentonite grout after completion.
C032C170 (0.5 - 2.0)					3			
		n.a.	n.r.		4			
C032C171 (2.0 - 4.0)					5			
					6			
		n.a.	n.r.		7		at 7.0 ft.: wet.	
C032C172 (4.0 - 8.0)					8			
					9			
				1.2	10		**TOTAL DEPTH = 10.0 FEET**	

REGISTERED GEOLOGIST
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Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-31

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:57:57 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-32

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-23-02	05-23-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,792.9 E 1,474,575.6	11.7 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 8.5 ft / 3.2ft	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				11.2	0		**Asphalt**: Over base rock.	FID Background = 0.73 ppm
C032C173 (0.0 - 0.5)		n.a.	n.r.		1		**Sand (SP)**: Very dark brown [10YR 2/2], fine grained sand, moist, no hydrocarbon odor (FILL). at 1.0 ft.: Olive [5Y 5/3].	Hole backfilled with cement-bentonite grout after completion.
C032C174 (0.5 - 2.0)					2			
		n.a.	n.r.		3			
C032C175 (2.0 - 4.0)					4			
					5		at 5.0 ft.: wet.	
		n.a.	n.r.		6			
C032C176 (4.0 - 8.0)					7			
					8			
				3.2			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
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Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-32

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:58:04 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-33

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-17-02	05-17-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,252.1 E 1,474,574.1	12.5 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / 7.5ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				12.0	0		**Asphalt**: Over base rock.	
C032C177 (0.0 - 0.5)		n.a.	n.r.		1		**Sand (SP)**: Very dark grayish brown [2.5Y 3/2], fine grained sand, dry, slight hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C179 (0.5 - 2.0) C032C178 (0.5 - 2.0)					2			
		n.a.	n.r.		3			
C032C180 (2.0 - 4.0)				8.8	4		**Sandy Clay (CL)**: Olive [5Y 5/4], fine grained sand, moist, low plasticity, no hydrocarbon odor (FILL).	
				7.5	5		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, wet, no hydrocarbon odor (FILL).	
		n.a.	n.r.		6			
C032C181 (4.0 - 8.0)					7			
				4.0	8			

TOTAL DEPTH = 8.5 FEET

REGISTERED GEOLOGIST
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No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-33

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:58:10 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-34

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-16-02	05-16-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,719.2 E 1,474,575.7	9.0 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 3.5 ft / 5.5ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C182 (0.0 - 0.5)		n.a.	n.r.	8.5	0		**Clayey Sand (SC)**: Dark olive gray [5Y 3/2], fine grained sand, moist, no hydrocarbon odor (FILL).	FID Background = 2.10 ppm
C032C183 (0.5 - 2.0)					1		**Sand (SP)**: Light olive brown [2.5Y 5/3], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C184 (2.0 - 4.0)		n.a.	n.r.		2			
					3		at 3.5 ft.: wet.	
					4			
					5			
C032C185 (4.0 - 8.0)		n.a.	n.r.		6		at 6.0 ft.: trace shells.	
					7			
					8			
				0.5			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-34

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:58:16 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-35

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-15-02	05-15-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,179.8 E 1,474,576.6	7.4 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.5 ft / 1.9ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C186 (0.0 - 0.5)		n.a.	n.r.	6.9	0		**Asphalt**.	PID Background = 1.05 ppm
					1		**Sand (SP)**: Brown [10YR 4/3], fine grained sand, moist, no hydrocarbon odor (FILL). at 1.0 ft.: Light olive brown [2.5Y 5/4].	Hole backfilled with cement-bentonite grout after completion.
C032C187 (0.5 - 2.0)					2			
		n.a.	n.r.		3			
C032C188 (2.0 - 4.0)					4		at 4.0 ft.: Greenish gray [5GY 5/1].	
					5			
		n.a.	n.r.		6		at 5.5 ft.: wet.	
C032C190 (4.0 - 8.0) C032C189 (4.0 - 8.0)					7			
					8			
				-1.1			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
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Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-35

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:58:22 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-36

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-14-02	05-14-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,645.0 E 1,474,575.6	8.1 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 2.5 ft / 5.6ft	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C191 (0.0 - 0.5)		n.a.	n.r.		0		**Sand (SP)**: Light olive brown [2.5Y 5/3], fine grained sand, dry, no hydrocarbon odor (FILL).	FID Background = 2.25 ppm
C032C192 (0.5 - 2.0)					1		at 1.0 ft.: moist.	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2			
C032C193 (2.0 - 4.0)					3		at 2.5 ft.: wet.	
					4			
		n.a.	n.r.		5		at 5.0 ft.: Greenish gray [5GY 5/1].	
C032C194 (4.0 - 8.0)					6			
					7			
				0.1	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST
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STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-36

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:58:29 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-37

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-22-02	05-22-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 470,941.0 E 1,475,038.6	6.7 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.5 ft / 2.2ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				6.2			**Asphalt**: Over base rock.	PID Background = 0.42 ppm
C032C195 (0.0 - 0.5)		n.a.	n.r.	5.9	1		**Silty Sand (SM)**: Very dark grayish brown [2.5Y 3/2], fine grained sand, moist, slight hydrocarbon odor (FILL). **Sand (SP)**: Light olive brown [2.5Y 5/3]. fine grained sand. moist, no hydrocarbon odor (FILL).	
C032C196 (0.5 - 2.0)					2			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		3		at 3.0 ft.: alternating thin lenses of **Silty Clay (CL)**: Light olive brown [2.5Y 5/3] with gray and brown mottling, no hydrocarbon odor. (FILL).	
C032C197 (2.0 - 4.0)					4		at 4.5 ft.: wet.	
					5			
		n.a.	n.r.		6			
C032C198 (4.0 - 8.0)					7			
				-0.8	8		**Sandy Clay (CL)**: Dark greenish gray [5GY 4/1], fine grained sand, wet, no hydrocarbon odor (FILL).	
				-1.8				

TOTAL DEPTH = 8.5 FEET

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-37

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:58:36 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-38

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-23-02	05-23-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,403.9 E 1,475,038.5	10.3 ft	10.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.0 ft / 4.3ft	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
					0		**Concrete**: Over base rock.	FID Background = 0.75 ppm
					1			Hole backfilled with cement-bentonite grout after completion.
C032C199 (0.0 - 0.5)		n.a.	n.r.	8.3	2		**Sand (SP)**: Very dark brown [10YR 2/2], fine grained sand, moist, trace shells. no hydrocarbon odor (FILL). at 2.5 ft.: Greenish gray [5GY 5/1], no shells.	
C032C201 (0.5 - 2.0) C032C200 (0.5 - 2.0)					3			
		n.a.	n.r.	6.3	4		**Sand with Gravel (SW)**: Olive gray [5Y 4/2], fine to coarse grained sand, some fine gravel, moist, no hydrocarbon odor (FILL).	
C032C202 (2.0 - 4.0)					5			
					6		at 6.0 ft.: wet.	
		n.a.	n.r.	3.3	7		**Sand (SP)**: Greenish gray [5GY 5/1], fine grained sand, wet, no hydrocarbon odor (FILL).	
C032C203 (4.0 - 8.0)					8			
					9			
				0.3	10		TOTAL DEPTH = 10.0 FEET	

REGISTERED GEOLOGIST
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STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-38

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:58:42 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-39

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	04-27-02	04-27-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,867.0 E 1,475,038.7	9.2 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.5 ft / 1.7ft ▼	n.a.	Eric Johansen	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C001 (0.0 - 0.5)		n.a.	n.r.	8.7	0		**Silty Sand with Gravel (SM)**: Very dark gray [10YR 3/1], fine to coarse grained sand, medium dense, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C002 (0.5 - 2.0)					1		**Sand (SP)**: Light yellowish brown [10YR 6/4], fine grained sand, loose, moist, (FILL).	
		n.a.	n.r.		2			
C032C003 (2.0 - 4.0)					3			
					4		at 4.0 ft.: Light olive brown [2.5Y 5/4].	
		n.a.	n.r.		5			
C032C004 (4.0 - 8.0)					6			
					7		at 7.5 ft.: wet.	
				1.2	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-39

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:58:48 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-40

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	04-27-02	04-27-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,330.1 E 1,475,038.6	10.1 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 3.1ft	n.a.	Eric Johansen	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C005 (0.0 - 0.5)		n.a.	n.r.	9.6	0		**Silty Sand with Gravel (SM)**: Very dark grayish brown [2.5Y 3/2], fine to coarse grained sand, loose, dry, (FILL).	FID Background = 0.0 ppm
C032C006 (0.5 - 2.0)					1		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, loose, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2			
C032C007 (2.0 - 4.0)					3			
					4			
		n.a.	n.r.		5			
C032C008 (4.0 - 8.0)					6			
					7		at 7.0 ft.: wet.	
				2.1	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST
CATHIE L. STUMPENHAUS
No. 4451
exp 9/29/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-40

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:59:46 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-41

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	04-27-02	04-27-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,793.1 E 1,475,038.6	11.9 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 8.0 ft / 3.9ft ▼	n.a.	Eric Johansen	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C009 (0.0 - 0.5)		n.a.	n.r.	11.4	0		**Silty Sand with Gravel (SM)**: Very dark grayish brown [2.5Y 3/2], fine to coarse grained sand, loose, moist, (FILL).	
C032C011 (0.5 - 2.0) C032C010 (0.5 - 2.0)		n.a.	n.r.		1		**Sand (SP)**: Light yellowish brown [2.5Y 6/3], fine grained sand, loose, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C012 (2.0 - 4.0)		n.a.	n.r.		2			
C032C022 (4.0 - 8.0) C032C013 (4.0 - 8.0)					3			
					4			
					5			
					6			
					7			
				3.9	8		at 8.0 ft.: wet.	
							TOTAL DEPTH = 8.0 FEET	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 Exp. 3/31/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-41

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:59:51 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-42

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-17-02	05-17-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,256.1 E 1,475,038.6	13.8 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 6.8ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C204 (0.0 - 0.5)		n.a.	n.r.	13.3	0		Asphalt. Over base rock.	
				12.6	1		Sand (SW): Very dark grayish brown [2.5Y 3/2], fine to coarse grained sand, some fine gravel, dry, moderate hydrocarbon odor (FILL)	Hole backfilled with cement-bentonite grout after completion.
C032C205 (0.5 - 2.0)					2		Sand (SP): Light olive brown [2.5Y 5/4], fine grained sand, moist, moderate hydrocarbon odor (FILL).	
		n.a.	n.r.		3			
C032C206 (2.0 - 4.0)					4			
					5			
C032C207 (4.0 - 8.0)		n.a.	n.r.		6		at 5.5 ft.: slight hydrocarbon odor.	
					7		at 7.0 ft.: wet.	
					8			
				5.3			TOTAL DEPTH = 8.5 FEET	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-42

Report form: CTO-032 ALAMEDA BORING LOG Time: 3:59:57 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-43

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-16-02	05-16-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,719.1 E 1,475,038.5	8.7 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 3.0 ft / 5.7ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C208 (0.0 - 0.5)		n.a.	n.r.	8.2	0		**Asphalt**: Over road base.	FID Background = 0.96 ppm
C032C209 (0.5 - 2.0)					1		**Sand (SP)**: Dark olive gray [5Y 3/2], fine grained sand, trace fine gravel, moist, no hydrocarbon odor (FILL). at 0.8 ft : Light olive brown [2.5Y 5/3], no gravel	Hole backfilled with cement-bentonite grout after completion.
C032C210 (2.0 - 4.0)		n.a.	n.r.		2			
C032C212 (4.0 - 8.0) C032C211 (4.0 - 8.0)		n.a.	n.r.		3		at 3.0 ft.: wet.	
					4			
					5			
					6			
					7			
					8			
				0.2			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-43

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:00:03 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-44

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-15-02	05-15-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,181.9 E 1,475,038.5	8.8 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 3.0 ft / 5.8ft	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				8.3	0		**Asphalt**.	FID Background = 2.08 ppm
C032C213 (0.0 - 0.5)		n.a.	n.r.		1		**Sand (SP)**: Brown [10YR 4/3], fine grained sand, some fine gravel, dry to moist, no hydrocarbon odor (FILL).	
C032C214 (0.5 - 2.0)					2		at 1.5 ft.: Light olive brown [2.5Y 5/4], fine to medium grained sand, moist.	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		3		at 3.0 ft.: wet.	
C032C215 (2.0 - 4.0)					4			
					5			
		n.a.	n.r.		6		at 6.0 ft.: trace shells.	
C032C216 (4.0 - 8.0)					7			
					8			
				0.3			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-44

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:00:09 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-45

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-14-02	05-14-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,645.2 E 1,475,038.7	10.2 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.0 ft / 6.2ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C217 (0.0 - 0.5)		n.a.	n.r.	9.7	0		**Asphalt**.	PID Background = 1.77 ppm
				9.2	1		**Sand with Gravel (SW)**: Olive brown [2.5Y 4/3], fine to coarse grained sand, with fine gravel, dry, no hydrocarbon odor (FILL). **Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL).	
C032C218 (0.5 - 2.0)					2			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		3			
C032C219 (2.0 - 4.0)					4		at 4.0 ft.: wet.	
					5			
		n.a.	n.r.		6			
C032C220 (4.0 - 8.0)					7			
					8			
				1.7			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-45

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:00:15 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-46

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-22-02	05-22-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 470,478.1 E 1,475,501.7	8.1 ft	10.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 6.0 ft / 2.1ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete.	FID Background = 0.60 ppm
				7.3	1		Sand with Gravel (SW): Yellowish brown, (BASE ROCK).	Hole backfilled with cement-bentonite grout after completion.
C032C221 (0.0 - 0.5)		n.a.	n.r.	6.1	2		Sand (SP): Light olive brown [2.5Y 5/3], fine grained sand, moist, no hydrocarbon odor (FILL).	
C032C223 (0.5 - 2.0) C032C222 (0.5 - 2.0)					3			
		n.a.	n.r.		4			
C032C224 (2.0 - 4.0)					5			
					6		at 6.0 ft.: Dark greenish gray [5GY 4/1], wet.	
		n.a.	n.r.		7			
C032C225 (4.0 - 8.0)					8			
					9			
				1.9	10		TOTAL DEPTH = 10.0 FEET	

REGISTERED GEOLOGIST
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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-46

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:00:20 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-47

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-22-02	05-22-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 470,941.0 E 1,475,501.6	7.6 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 4.5 ft / 3.1ft	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.1	0		**Asphalt**. Over base rock.	PID Background = 0.40 ppm
C032C226 (0.0 - 0.5)		n.a.	n.r.	6.6	1		**Silty Sand (SM)**: Very dark grayish brown [2.5Y 3/2], fine grained sand, trace medium to coarse grained sand, moist, no hydrocarbon odor (FILL)	Hole backfilled with cement-bentonite grout after completion.
C032C227 (0.5 - 2.0)					2		**Sand (SP)**: Light olive brown [2.5Y 5/3], fine grained sand, moist, with alternating layers of **Clay (CL)**: Olive [5Y 5/3], low to medium plasticity. no hydrocarbon odor (FILL).	
		n.a.	n.r.	4.6	3		**Sand (SP)**: Olive [5Y 5/3], fine grained sand, moist, no hydrocarbon odor (FILL).	
C032C228 (2.0 - 4.0)					4		at 4.5 ft.: wet.	
					5			
		n.a.	n.r.		6			
C032C229 (4.0 - 8.0)					7			
					8			
				-0.9			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
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STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-47

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:00:27 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-48

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-23-02	05-23-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,404.1 E 1,475,501.7	7.5 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 3.5 ft / 4.0ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C230 (0.0 - 0.5)		n.a.	n.r.	7.0	0		**Asphalt**: Over base rock.	FID Background = 0.28 ppm
				6.5	1		**Clayey Sand (SC)**: Very dark brown [10YR 2/2], fine grained sand, moist, no hydrocarbon odor (FILL).	
C032C231 (0.5 - 2.0)					2		**Sand (SP)**: Olive [5Y 5/3], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		3			
C032C232 (2.0 - 4.0)					4		at 3.5 ft.: wet.	
					5			
		n.a.	n.r.		6			
C032C234 (4.0 - 8.0) C032C233 (4.0 - 8.0)					7			
					8			
				-1.0			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-48

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:00:34 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-49

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	04-27-02	04-27-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,867.1 E 1,475,501.6	8.4 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.5 ft / 0.9ft	n.a.	Eric Johansen	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C014 (0.0 - 0.5)		n.a.	n.r.				**Silty Sand with Gravel (SM)**: Dark olive brown [2.5Y 3/3], fine to coarse grained sand, loose, moist, (FILL). at 0.5 ft.: fine grained sand, dense.	
C032C015 (0.5 - 2.0)				7.4	1		**Sand (SP)**: Light olive brown [2.5Y 5/6], fine grained sand, loose, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2		at 2.0 ft.: Olive brown [2.5Y 4/3], fine to medium grained sand.	
C032C016 (2.0 - 4.0)					3			
					4		at 4.0 ft.: Light olive brown [2.5Y 5/3], small clay nodules.	
		n.a.	n.r.		5			
C032C017 (4.0 - 8.0)					6			
					7		at 7.5 ft.: wet.	
				0.4	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L STUMPENHAUS · No. 4451 · Exp. 3/31/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-49

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:00:40 PM

BORING LOG

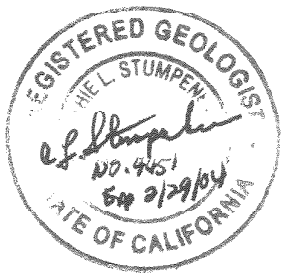
PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-50

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	04-27-02	04-27-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,330.1 E 1,475,501.7	9.3 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 7.5 ft / 1.8ft	n.a.	Eric Johansen	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C018 (0.0 - 0.5)		n.a.	n.r.	9.1	0		**Asphalt.**	FID Background = 0.00 ppm
C032C019 (0.5 - 2.0)		n.a.	n.r.		1		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, minor silt, loose, moist, minor clay nodules. (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C020 (2.0 - 4.0)		n.a.	n.r.		2			
C032C021 (4.0 - 8.0)		n.a.	n.r.		3			
					4			
					5			
					6			
					7			
				1.3	8		at 7.5 ft.: wet.	
							TOTAL DEPTH = 8.0 FEET	



SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-50

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:01:49 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-51

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	04-27-02	04-27-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,793.1 E 1,475,501.8	12.4 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.5 ft / 4.9ft	n.a.	Eric Johansen	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C023 (0.0 - 0.5)		n.a.	n.r.	11.9	0		**Gravel (GP)**: Very dark grayish brown [2.5Y 3/2], loose, moist.	
							Sand (SP): Olive yellow [2.5Y 6/6], fine grained sand, loose, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C024 (0.5 - 2.0)		n.a.	n.r.		1			
					2			
C032C025 (2.0 - 4.0)		n.a.	n.r.		3			
					4			
C032C026 (4.0 - 8.0)					5			
					6			
					7			
				4.4	8		at 7.5 ft.: wet.	
							TOTAL DEPTH = 8.0 FEET	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 Exp 2/31/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-51

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:01:54 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-52

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-17-02	05-17-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,256.0 E 1,475,501.6	10.0 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 3.5 ft / 6.5ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				9.5	0		**Asphalt**: Over base rock.	
C032C235 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, dry, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C236 (0.5 - 2.0)					2		at 1.5 ft.: moist.	
		n.a.	n. r.		3			
C032C237 (2.0 - 4.0)					4		at 3.5 ft.: wet.	
					5		at 5.0 ft.: Olive [5Y 5/3].	
		n.a.	n.r.		6			
C032C238 (4.0 - 8.0)					7			
					8			
				1.5			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-52

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:02:00 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-53

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-16-02	05-16-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,722.5 E 1,475,501.8	7.5 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 1.5 ft / 6.0ft	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.0	0		**Asphalt**: Over base rock.	FID Background = 0.90 ppm
C032C239 (0.0 - 0.5)		n.a.	n.r.		1		**Sand (SP)**: Dark olive gray [5Y 3/2], fine grained sand, trace fine gravel, moist, no hydrocarbon odor (FILL). at 1.0 ft : Light olive brown [2.5Y 5/3], no gravel. at 1.5 ft.: wet.	Hole backfilled with cement-bentonite grout after completion.
C032C240 (0.5 - 2.0)				5.5	2			
				5.0			**Clayey Sand (SC)**: Light olive brown [2.5Y 5/3], fine grained sand, wet, no hydrocarbon odor (FILL).	
		n.a.	n.r.		3		**Sand (SP)**: Light olive brown [2.5Y 5/3], fine grained sand, wet, no hydrocarbon odor (FILL).	
C032C241 (2.0 - 4.0)					4			
					5			
		n.a.	n.r.		6			
C032C242 (4.0 - 8.0)					7			
					8			
				-1.0			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-53

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:02:06 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-54

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-15-02	05-15-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,182.1 E 1,475,501.5	7.8 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 3.0 ft / 4.8ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.3	0		**Asphalt**.	FID Background = 0.86 ppm
C032C243 (0.0 - 0.5)		n.a.	n.r.		1		**Sand (SP)**: Brown [10YR 4/3], fine grained sand, trace fine gravel, dry to moist, no hydrocarbon odor (FILL). at 1.0 ft.: Light olive brown [2.5Y 5/4], moist, no gravel	
C032C245 (0.5 - 2.0) C032C244 (0.5 - 2.0)		n.a.	n.r.		2			Hole backfilled with cement-bentonite grout after completion.
					3		at 3.0 ft.: wet.	
C032C246 (2.0 - 4.0)					4			
					5		at 4.5 ft.: Greenish gray [5GY 5/1], some medium grained sand.	
		n.a.	n.r.		6			
C032C247 (4.0 - 8.0)					7			
					8			
				-0.7			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/07
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-54

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:02:12 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-55

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-14-02	05-14-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,645.1 E 1,475,501.6	8.4 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.5 ft / 3.9ft	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C248 (0.0 - 0.5)		n.a.	n.r.				**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, dry, no hydrocarbon odor (FILL).	FID Background = 1.92 ppm
C032C249 (0.5 - 2.0)					1		at 1.0 ft.: moist.	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2			
C032C250 (2.0 - 4.0)					3			
					4		at 4.5 ft.: wet.	
		n.a.	n.r.		5			
C032C251 (4.0 - 8.0)					6			
					7			
				0.4	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-55

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:02:17 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-56

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-22-02	05-22-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 470,015.0 E 1,475,964.6	6.6 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.0 ft / 2.6ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				6.1	0		**Asphalt**: Over base rock.	FID Background = 0.23 ppm
C032C252 (0.0 - 0.5)		n.a.	n.r.		1		**Sand (SP)**: Olive [5Y 5/3], fine grained sand, some fine gravel, dry to moist, no hydrocarbon odor (FILL). at 1.0 ft.: moist, no gravel, some shells.	
C032C253 (0.5 - 2.0)					2			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		3			
C032C254 (2.0 - 4.0)					4		at 4.0 ft.: Dark greenish gray [5GY 4/1], wet, trace shells.	
					5			
		n.a.	n.r.		6		at 6.0 ft.: slight hydrocarbon odor.	
C032C256 (4.0 - 8.0) C032C255 (4.0 - 8.0)					7			
					8			
				-1.9			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-56

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:02:23 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-57

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-22-02	05-22-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 470,482.8 E 1,475,961.9	6.9 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.5 ft / 1.4ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				6.4	0		**Asphalt**: Over base rock.	FID Background = 0.69 ppm
C032C257 (0.0 - 0.5)		n.a.	n.r.		1		**Sand (SP)**: Olive [5Y 5/3], fine grained sand, moist, no hydrocarbon odor (FILL).	
C032C258 (0.5 - 2.0)				4.9	2		**Sandy Clay (CL)**: Olive [5Y 5/3], fine grained sand, moist, low to medium plasticity, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.	4.4	3		**Sand (SP)**: Olive [5Y 5/3], fine grained sand, moist, no hydrocarbon odor (FILL).	
C032C259 (2.0 - 4.0)					4			
					5			
		n.a.	n.r.		6		at 5.5 ft.: wet. at 6.0 ft.: Dark greenish gray [5GY 4/1].	
C032C260 (4.0 - 8.0)					7			
					8			
				-1.6			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-57

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:02:30 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-58

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-22-02	05-22-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 470,942.5 E 1,475,970.9	5.9 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 2.5 ft / 3.4ft ▼	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C261 (0.0 - 0.5)		n.a.	n. r.		0		**Sand (SP)**: Very dark grayish brown [2.5Y 3/2], fine grained sand, moist, no hydrocarbon odor (FILL). at 0.5 ft.: Light olive brown [2.5Y 5/3], fine grained sand, moist, with thin lenses of **Sandy Clay (CL)**: Olive [5Y 5/4], moist, fine grained sand, low to medium plasticity. no hydrocarbon odor (FILL).	FID Background = 0.55 ppm
C032C262 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2		at 2.0 ft.: pieces of yellowish brown sandstone.	
				3.4			**Sand with Gravel (SW)**: Dark gray [5Y 4/1], fine to coarse grained sand, fine gravel, wet, slight hydrocarbon odor (FILL).	
C032C263 (2.0 - 4.0)					3			
					4			
		n.a.	n. r.		5		at 5.0 ft.: no hydrocarbon odor.	
C032C264 (4.0 - 8.0)					6			
					7			
				-2.1	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-58

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:02:36 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-59

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-23-02	05-23-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push		N 471,404.1 E 1,475,964.7	6.1 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / 1.1ft	n.a.	Stephen Quayle	Eric Johansen, RG 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				5.6			**Asphalt**: Over base rock.	FID Background = 0.31 ppm
C032C265 (0.0 - 0.5)		n.a.	n. r.	5.4	1		**Clayey Sand (SC)**: Very dark brown [10YR 2/2], fine grained sand, moist, no hydrocarbon odor (FILL).	
C032C267 (0.5 - 2.0) C032C266 (0.5 - 2.0)		n.a.	n. r.		2		**Sand (SP)**: Olive [5Y 5/3], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C268 (2.0 - 4.0)					3		at 3.0 ft.: some shells.	
					4			
				1.6			**Sandy Clay (CL)**: Olive [5Y 5/3] with brown mottling, fine grained sand, medium plasticity, no hydrocarbon odor (FILL).	
				1.1	5		**Sand (SP)**: Olive [5Y 5/3], fine grained sand, wet, no hydrocarbon odor (FILL).	
C032C269 (4.0 - 8.0)		n.a.	n. r.		6			
					7		at 7.5 ft.: Greenish gray [5GY 5/1], some medium grained sand.	
					8			
				-2.4			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-59

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:02:42 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-60

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	04-27-02	04-27-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,867.1 E 1,475,964.6	8.0 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.0 ft / 1.0ft ▼	n.a.	Eric Johansen	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C027 (0.0 - 0.5)		n.a.	n. r.	7.5	0		**Silty Sand (SM)**: Dark brown [10YR 3/3], fine grained sand, loose, moist, (FILL).	
C032C028 (0.5 - 2.0)					1		**Sand (SP)**: Olive yellow [2.5Y 6/6], fine grained sand, loose, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032C029 (2.0 - 4.0)					3			
					4			
		n.a.	n. r.		5			
C032C030 (4.0 - 8.0)					6			
					7		at 7.0 ft.: wet.	
				0.0	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L STUMPENHAUS · No. 4451 · Exp 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-60

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:04:10 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-61

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	04-27-02	04-27-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,330.0 E 1,475,964.6	8.7 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 7.5 ft / 1.2ft ▼	n.a.	Eric Johansen	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C031 (0.0 - 0.5)		n.a.	n. r.	8.2	0		**Gravel (GW)**: Black [2.5Y 2.5/1], fine to coarse grained sand, dense, moist.	FID Background = 0.00 ppm
				7.7	1		**Silty Sand (SM)**: Black [2.5Y 2.5/1], fine grained sand, medium dense, moist, (FILL).	
C032C033 (0.5 - 2.0) C032C032 (0.5 - 2.0)							**Sand (SP)**: Light olive brown [2.5Y 5/3], medium dense, moist, (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2		at 2.0 ft.: Pale olive [5Y 6/3], loose.	
C032C034 (2.0 - 4.0)					3			
					4			
		n.a.	n. r.		5			
C032C036 (4.0 - 8.0) C032C035 (4.0 - 8.0)					6			
					7		at 7.5 ft.: wet.	
				0.7	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-61

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:04:16 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-62

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-24-02	05-24-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,793.0 E 1,475,964.6	9.0 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 3.5 ft / 5.5ft ▼	n.a.	Stephen Quayle	Eric Johansen RG - 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				8.5	0		**Asphalt**: Over base rock.	FID Background = 2.91 ppm
C032C270 (0.0 - 0.5)		n.a.	n.r.		1		**Sand (SP)**: Olive [5Y 5/3], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C271 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032C272 (2.0 - 4.0)					4		at 3.5 ft.: wet.	
					5			
		n.a.	n. r.		6			
C032C273 (4.0 - 8.0)					7			
					8		at 8.0 ft.: trace shells.	
				0.5			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-62

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:04:23 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-63

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-17-02	05-17-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,256.0 E 1,475,964.6	10.0 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 2.0 ft / 8.0ft ▼	n.a.	Stephen Quayle	Eric Johansen RG - 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C274 (0.0 - 0.5)		n.a.	n. r.	9.5	0		Asphalt: Over base rock.	
					1		Sand (SP): Light olive brown [2.5Y 5/4], fine grained sand, dry, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C275 (0.5 - 2.0)					2		at 2.0 ft.: wet.	
		n.a.	n. r.	7.0	3		Sandy Clay (CL): Light olive brown [2.5Y 5/4], fine grained sand, wet, low to medium plasticity, no hydrocarbon odor (FILL).	
C032C276 (2.0 - 4.0)				6.5	4		Sand (SP): Light olive brown [2.5Y 5/4], fine grained sand, wet, no hydrocarbon odor (FILL).	
					5			
		n.a.	n. r.		6			
C032C278 (4.0 - 8.0) C032C277 (4.0 - 8.0)					7			
				2.0 1.7 1.5	8		Sandy Clay (CL): Dark greenish gray [5GY 4/1] slight yellowish brown mottling, fine grained sand, wet, low plasticity, no hydrocarbon odor (FILL). Sand (SP): Greenish gray [5GY 5/1], fine grained sand, some medium grained sand, wet, with shells. no hydrocarbon odor (FILL).	

TOTAL DEPTH = 8.5 FEET

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
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Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-63

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:04:30 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-64

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-16-02	05-16-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,719.1 E 1,475,964.6	6.1 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 1.5 ft / 4.6ft ▼	n.a.	Stephen Quayle	Eric Johansen RG - 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C279 (0.0 - 0.5)		n.a.	n. r.		0		**Sand (SP)**: Dark olive gray [5Y 3/2], fine grained sand, moist, no hydrocarbon odor (FILL).	FID Background = 0.95 ppm
							at 0.3 ft.: Olive [5Y 5/3], trace shells.	
C032C280 (0.5 - 2.0)					1			Hole backfilled with cement-bentonite grout after completion.
							at 1.5 ft.: wet.	
		n.a.	n. r.		2			
C032C281 (2.0 - 4.0)					3			
					4			
		n.a.	n. r.		5			
C032C282 (4.0 - 8.0)					6			
					7			
				-1.9	8			
							TOTAL DEPTH = 8.0 FEET	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-64

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:04:37 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-65

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-14-26	05-14-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,182.1 E 1,475,964.7	7.2 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 3.0 ft / 4.2ft ▼	n.a.	Stephen Quayle	Eric Johansen RG - 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C283 (0.0 - 0.5)		n.a.	n. r.	6.7	0		**Concrete**: Over base rock.	FID Background = 2.70 ppm
C032C284 (0.5 - 2.0)					1		**Sand (SP)**: Olive brown [2.5Y 4/3], fine grained sand, moist, no hydrocarbon odor (FILL). at 0.8 ft.: Light olive brown [2.5Y 5/4].	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2			
C032C285 (2.0 - 4.0)					3		at 3.0 ft.: wet.	
					4			
					5			
C032C286 (4.0 - 8.0)		n.a.	n. r.		6			
					7			
					8			
				-1.4			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-65

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:04:43 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-66

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-14-02	05-14-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,645.1 E 1,475,964.6	7.8 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 2.5 ft / 5.3ft ▼	n.a.	Stephen Quayle	Eric Johansen RG - 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				7.3	0		**Asphalt**.	FID Background = 1.90 ppm
C032C287 (0.0 - 0.5)		n.a.	n. r.		1		**Sand (SP)**: Olive brown [2.5Y 4/3], fine grained sand, trace coarse grained sand, moist, no hydrocarbon odor (FILL). at 0.8 ft : Light olive brown [2.5Y 5/4], no coarse grained sand.	
C032C289 (0.5 - 2.0) C032C288 (0.5 - 2.0)		n.a.	n. r.		2		at 2.5 ft.: wet.	Hole backfilled with cement-bentonite grout after completion.
C032C290 (2.0 - 4.0)					3			
					4			
					5			
C032C291 (4.0 - 8.0)		n.a.	n.r.		6		at 5.5 ft.: Greenish gray [5GY 5/1].	
					7			
					8			
				-0.7			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-66

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:04:49 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-67

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-22-02	05-22-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 470,941.1 E 1,476,427.6	5.9 ft	9.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 5.0 ft / 0.9ft ▼	n.a.	Stephen Quayle / Eric Johansen RG - 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Asphalt: Over base rock.	FID Background = 0.00 ppm
C032C292 (0.0 - 0.5)		n.a.	n. r.	4.9	1		**Sand with Gravel (SW)**: Olive [5Y 5/3], fine to coarse grained sand, fine gravel, dry, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C293 (0.5 - 2.0)				3.9	2		**Clayey Sand (SC)**: Dark yellowish brown [10YR 4/4], fine to coarse grained sand, some fine gravel, moist, no hydrocarbon odor (FILL).	
C032C294 (2.0 - 4.0)		n.a.	n. r.	2.6	3		**Sand (SP)**: Olive [5Y 5/3], fine grained sand, moist, no hydrocarbon odor (FILL).	
					4			
					5		at 5.0 ft.: wet.	
C032C295 (4.0 - 8.0)		n.a.	n. r.		6			
					7			
					8			
				-3.1	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-67

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:04:55 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-68

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-23-02	05-23-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 471,404.6 E 1,476,425.0	6.6 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 4.0 ft / 2.6ft ▼	n.a.	Stephen Quayle / Eric Johansen RG - 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C296 (0.0 - 0.5)		n.a.	n. r.	6.1 / 5.8	0 / 1		**Asphalt**. Over base rock. **Clayey Sand (SC)**: Very dark brown [10YR 2/2], fine grained sand, moist, no hydrocarbon odor (FILL). **Sand (SP)**: Olive [5Y 5/3], fine grained sand, moist, no hydrocarbon odor (FILL).	FID Background = 0.82 ppm. Hole backfilled with cement-bentonite grout after completion.
C032C297 (0.5 - 2.0)					2			
		n.a.	n. r.		3			
C032C298 (2.0 - 4.0)					4		at 4.0 ft.: wet, with shells.	
		n.a.	n. r.		5			
C032C300 (4.0 - 8.0) C032C299 (4.0 - 8.0)					6 / 7 / 8			
				-1.9			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-68

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:05:02 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-69

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-23-02	05-23-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,867.1 E 1,476,427.7	6.8 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 2.0 ft / 4.8ft ▼	n.a.	Stephen Quayle	Eric Johansen RG - 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C301 (0.0 - 0.5)		n.a.	n. r.	6.3	0		**Asphalt**: Over base rock.	FID Background = 0.12 ppm
				5.8	1		**Clayey Sand (SC)**: Very dark brown [10YR 2/2], fine grained sand, moist, no hydrocarbon odor (FILL).	
C032C302 (0.5 - 2.0)					2		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
							at 2.0 ft.: wet.	
		n.a.	n. r.		3			
C032C303 (2.0 - 4.0)					4		at 4.0 ft.: Olive [5Y 5/3], fine to medium grained sand.	
					5			
		n.a.	n. r.		6			
C032C304 (4.0 - 8.0)					7			
					8			
				-1.7			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
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Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-69

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:05:08 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-70

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-3	Alameda Point	05-24-02	05-24-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,330.0 E 1,476,427.6	6.0 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 2.0 ft / 4.0ft ▼	n.a.	Stephen Quayle	Eric Johansen RG - 6643	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				5.0	1		**Concrete**.	FID Background = 2.84 ppm
C032C305 (0.0 - 0.5)		n a	n r				**Sand (SP)**: Olive [5Y 5/3], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C306 (0.5 - 2.0)					2		at 2.0 ft.: wet.	
		n.a.	n. r.		3			
C032C307 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032C308 (4.0 - 8.0)					7			
					8			
				-3.0	9			

TOTAL DEPTH = 9.0 FEET

REGISTERED GEOLOGIST
ERIC A. JOHANSEN
No. 6643
Exp. 10/31/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-70

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:06:33 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-71

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-24-02	05-24-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 472,793.0 E 1,476,427.6	7.1 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 1.0 ft / 6.1ft ▼	n.a.	Stephen Quayle	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				6.6	0		Concrete. No base rock.	FID Background = 2.49 ppm
C032C309 (0.0 - 0.5)		n.a.	n. r.		1		Sand (SP): Olive [5Y 5/3], fine grained sand, moist, no hydrocarbon odor (FILL). at 1.0 ft.: wet.	Hole backfilled with cement-bentonite grout after completion.
C032C311 (0.5 - 2.0) C032C310 (0.5 - 2.0)		n.a.	n. r.		2			
C032C312 (2.0 - 4.0)					3			
		n.a.	n. r.		4			
C032C313 (4.0 - 8.0)					5			
					6			
					7			
					8			
				-1.5			TOTAL DEPTH = 8.5 FEET	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA · 2/24/04

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-71

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:06:38 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-72

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-17-02	05-17-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,256.1 E 1,476,427.7	8.8 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 2.5 ft / 6.3ft	n.a.	Stephen Quayle	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete. Over base rock.	
C032C314 (0.0 - 0.5)		n.a.	n. r.	7.8	1		**Sand (SP)**: Light olive brown [2.5Y 5/3], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C315 (0.5 - 2.0)					2		at 2.5 ft.: wet.	
		n.a.	n. r.		3		at 3.0 ft.: with shells.	
C032C316 (2.0 - 4.0)				4.8	4		**Sandy clay (CL)**: Olive [5Y 5/3] with brown mottling, fine grained sand, wet, low to medium plasticity, no hydrocarbon odor (FILL).	
				4.3	5		**Sand (SP)**: Olive [5Y 5/3], fine grained sand, wet, no hydrocarbon odor (FILL).	
		n.a.	n. r.		6			
C032C317 (4.0 - 8.0)					7			
					8			
				-0.2	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · 5/29-2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-72

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:06:46 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-73

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-16-02	05-16-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 473,719.0 E 1,476,427.6	6.1 ft	9.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 3.0 ft / 3.1ft	n.a.	Stephen Quayle / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Concrete: With base rock.	FID Background = 0.82 ppm
C032C318 (0.0 - 0.5)		n.a.	n. r.	5.1	1		**Sand (SP)**: Light olive brown [2.5Y 5/3], fine grained sand, moist, no hydrocarbon odor (FILL). at 1.5 ft.: Olive [5Y 5/3].	Hole backfilled with cement-bentonite grout after completion.
C032C319 (0.5 - 2.0)					2			
		n.a.	n. r.		3		at 3.0 ft.: wet, trace shells.	
C032C320 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6			
C032C322 (4.0 - 8.0) C032C321 (4.0 - 8.0)					7			
					8			
				-2.9	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · 6/4-3/31/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-73

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:06:52 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-74

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-14-02	05-14-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 474,182.0 E 1,476,427.5	5.2 ft	8.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 4.0 ft / 1.2ft ▼	n.a.	Stephen Quayle / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C323 (0.0 - 0.5)		n.a.	n. r.	4.7	0		**Sand with Gravel (SW)**: Yellowish brown [10YR 5/4], fine to coarse grained sand, with fine gravel, dry, no hydrocarbon odor (FILL).	FID Background = 1.65 ppm
C032C324 (0.5 - 2.0)					1		**Sand (SP)**: Light olive brown [2.5Y 5/4] with Greenish gray [5GY 5/1] mottling, fine grained sand, trace fine gravel, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		2			
C032C325 (2.0 - 4.0)					3			
					4		at 4.0 ft.: wet.	
		n.a.	n. r.		5		at 5.0 ft.: with shell fragments.	
C032C326 (4.0 - 8.0)					6			
					7			
				-2.9	8		**TOTAL DEPTH = 8.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-74

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:06:58 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-75

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-14-02	05-14-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 474,645.1 E 1,476,427.7	7.2 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY / REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 3.5 ft / 3.7ft ▼	n.a.	Stephen Quayle / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C327 (0.0 - 0.5)		n.a.	n. r.	6.7	0		**Asphalt**.	FID Background = 1.99 ppm
				6.2	1		**Sand with Gravel (SW)**: Dark olive brown [2.5Y 3/3], fine to coarse grained sand, some fine gravel, moist, no hydrocarbon odor (FILL).	
C032C328 (0.5 - 2.0)					2		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		3			
C032C329 (2.0 - 4.0)					4		at 3.5 ft.: wet.	
					5			
		n.a.	n. r.		6			
C032C330 (4.0 - 8.0)					7			
					8			
				-1.3			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST
CATHIE L. STUMPENHAUST
No. 4451
Exp 2/29/04
STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-75

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:07:04 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-76

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-23-02	05-23-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct-Push	n.a.	N 471,404.0 E 1,476,890.6	5.2 ft	9.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY / REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 2.5 ft / 2.7ft	n.a.	Stephen Quayle / Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
							Asphalt: 6 inches over 6 inches Sand with Gravel (SW), very dark grayish brown [2.5Y 3/2]	FID Background = 0.75 ppm
C032C331 (0.0 - 0.5)		n a	n r	4.2	1		**Sand (SP)**: Very dark grayish brown [2.5Y 3/2]. fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C333 (0.5 - 2.0) / C032C332 (0.5 - 2.0)					2		at 2.5 ft.: wet.	
		n.a	n. r.		3			
							at 3.5 ft.: trace shells.	
C032C334 (2.0 - 4.0)					4			
					5			
					6			
		n.a.	n. r.					
C032C335 (4.0 - 8.0)					7			
							at 7.5 ft.: Greenish gray [5GY 5/1], trace fine shells.	
					8			
				-3.8	9			
							TOTAL DEPTH = 9.0 FEET	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 2-29-04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-76

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:07:10 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-77

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-23-02	05-23-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 471,865.3 E 1,476,890.7	6.2 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 2.0 ft / 4.2ft ▼	n.a.	Stephen Quayle	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				5.2	1		**Asphalt**: over base rock (Sand with Gravel).	FID Background = 1.00 ppm
C032C336 (0.0 - 0.5)		n.a.	n. r.				**Sand (SP)**: Very dark grayish brown [2.5Y 3/2], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C337 (0.5 - 2.0)					2		at 1.5 ft.: Olive [5Y 5/3], slight hydrocarbon odor.	
							at 2.0 ft.: wet.	
C032C338 (2.0 - 4.0)		n.a.	n. r.		3		at 3.0 ft.: no hydrocarbon odor.	
					4			
					5			
C032C339 (4.0 - 8.0)		n.a.	n. r.		6			
					7			
					8			
				-2.8	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L STUMPENHAUS · No. 4451 · 5/9/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-77

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:07:16 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-78

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-17-02	05-17-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,719.1 E 1,476,891.1	7.3 ft	9.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 2.5 ft / 4.8ft	n.a.	Stephen Quayle	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				6.3	1		**Concrete**: Over base rock.	FID Background = 1.32 ppm
C032C340 (0.0 - 0.5)		n.a	n. r				**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C341 (0.5 - 2.0)					2			
		n.a.	n. r.		3		at 2.5 ft.: wet.	
C032C342 (2.0 - 4.0)					4			
					5		at 5.0 ft.: Olive [5Y 5/3].	
		n.a.	n. r.		6			
C032C344 (4.0 - 8.0) C032C343 (4.0 - 8.0)					7			
					8			
				-1.7	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp 2/31/06 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-78

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:07:22 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32FED-1A-79

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-14-02	05-14-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 474,182.2 E 1,476,890.6	5.2 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 2.5 ft / 2.7ft ▼	n.a.	Stephen Quayle	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				4.7			Concrete.	FID Background = 1.67 ppm
C032C345 (0.0 - 0.5)		n.a.	n. r.		1		Sand (SP): Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL). at 1.0 ft.: Dark greenish gray [5GY 4/1]	
C032C346 (0.5 - 2.0)					2			Hole backfilled with cement-bentonite grout after completion.
		n.a.	n. r.		3		at 2.5 ft.: wet.	
C032C347 (2.0 - 4.0)					4			
					5			
		n.a.	n. r.		6		at 5.5 ft.: some shells.	
C032C348 (4.0 - 8.0)					7			
					8			
				-3.3			TOTAL DEPTH = 8.5 FEET	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32FED-1A-79

Report form: CTO-032 ALAMEDA BORING LOG Time: 4:07:28 PM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32PBC-1A-1

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-24-02	05-24-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 474,852.7 E 1,476,745.1	7.1 ft	10.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.5 ft / 0.6ft ▼	n.a.	Stephen Quayle	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				6.6	1		**Asphalt**. over road base.	FID Background = 2.28 ppm
C032C697 (0.0 - 0.5)		n. a.	n. r.	5.1	2		**Sand (SP)**: Dark greenish gray [5GY 4/1], fine grained sand, some medium grained sand, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C698 (0.5 - 2.0)					3		at 3.0 ft.: Olive [5Y 5/3].	
C032C699 (2.0 - 4.0)		n. a.	n. r.		4		at 4.5 ft.: trace shell fragments.	
					5			
					6		at 6.5 ft.: wet.	
C032C700 (4.0 - 8.0)		n. a.	n. r.		7			
					8			
					9			
				-2.9	10			

TOTAL DEPTH = 10.0 FEET

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · 2/24/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32PBC-1A-1

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:54:35 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32PBC-1A-2

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-24-02	05-24-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 475,295.2 E 1,476,745.4	6.6 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.0 ft / 1.6ft ▼	n.a.	Stephen Quayle	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				6.3			**Asphalt**: over road base.	FID Background = 2.35 ppm
C032C701 (0.0 - 0.5)		n. a.	n. r.	6.1	1		**Sand (SP)**: Very dark grayish brown [2.5Y 3/2], fine grained sand, moist, no hydrocarbon odor (FILL). at 1.0 ft.: Olive [5Y 5/3].	Hole backfilled with cement-bentonite grout after completion.
C032C702 (0.5 - 2.0)				4.6	2			
		n. a.	n. r.	4.1	3		**Sand with gravel (SW)**: Very dark grayish brown [2.5Y 3/2], fine to coarse grained sand and fine gravel, some fine gravel, moist, trace asphalt fragments. no hydrocarbon odor (FILL). **Sand (SP)**: Light olive brown [2.5Y 5/6], fine grained sand, moist, no hydrocarbon odor (FILL).	
C032C703 (2.0 - 4.0)				3.3			**Sand (SW)**: Very dark grayish brown [2.5Y 3/2], fine to coarse grained sand, trace fine gravel, moist, trace asphalt fragments. no hydrocarbon odor (FILL).	
				2.8	4		**Sandy clay (CL)**: Greenish gray [5GY 5/1], fine grained sand, moist, low to medium plasticity, no hydrocarbon odor (FILL).	
				2.1	5		**Sand (SP)**: Greenish gray [5GY 5/1], fine grained sand, wet, trace shell fragments. no hydrocarbon odor (FILL).	
		n. a.	n. r.		6			
C032C704 (4.0 - 8.0)					7			
					8			
				-1.9			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · 5/24/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32PBC-1A-2

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:54:50 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32PBC-1A-3

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-24-02	05-24-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 474,850.6 E 1,477,192.6	6.2 ft	9.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 5.0 ft / 1.2ft ▼	n.a.	Stephen Quayle / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				5.6			**Asphalt**: over road base.	FID Background = 2.43 ppm
C032C705 (0.0 - 0.5)		n. a.	n. r.	5.2	1		**Sand (SP)**: Very dark grayish brown [2.5Y 3/2], fine grained sand, moist, moderate hydrocarbon odor (FILL). at 1.5 ft.: Olive [5Y 5/3].	Hole backfilled with cement-bentonite grout after completion.
C032C707 (0.5 - 2.0) C032C706 (0.5 - 2.0)		n. a.	n. r.		2 3			
C032C708 (2.0 - 4.0)					4 5		at 5.0 ft.: wet.	
		n. a.	n. r.	0.7 0.2	6		**Clayey sand (SC)**: Olive [5Y 5/3], fine grained sand, wet, low to medium plasticity, slight hydrocarbon odor (FILL). **Sand (SP)**: Olive [5Y 4/3], fine grained sand, wet, slight hydrocarbon odor (FILL).	
C032C709 (4.0 - 8.0)					7 8			
				-2.8	9		**TOTAL DEPTH = 9.0 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32PBC-1A-3

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:54:57 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32PBC-1A-4

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-28-02	05-28-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 475,300.5 E 1,477,193.2	6.3 ft	10.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 3.0 ft / 3.3ft ▼	n.a.	Stephen Quayle	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				6.0			**Asphalt**: over road base.	FID Background – 2.60 ppm
C032C710 (0.0 - 0.5)		n. a.	n. r.	5.8	1		**Sand (SP)**: Light olive brown [2.5Y 5/3], fine grained sand, moist, no hydrocarbon odor (FILL).	
				3.0			**Sand (SW)**: Olive brown [2.5Y 4/3], fine to coarse grained sand, trace fine gravel, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C711 (0.5 - 2.0)				4.5	2		**Sandy clay (CL)**: Light olive brown [2.5Y 5/3], fine grained sand, moist, medium plasticity, no hydrocarbon odor (FILL).	
		n. a.	n. r.	3.8	3		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL). at 3.0 ft.: wet.	
C032C712 (2.0 - 4.0)					4			
		n. a.	n. r.		5			Sample C032C713 collected between 4.5-5.5 feet below bottom of surface covering
				0.8			**Silty clay (CL)**: Greenish gray [5GY 5/1], some fine grained sand, wet, low plasticity, no hydrocarbon odor (BAY MUD).	
				0.3	6		**Clay (CH)**: Dark greenish gray [5GY 4/1], wet, high plasticity, no hydrocarbon odor (BAY MUD).	
C032C713 (4.0 - 8.0)				-0.2	7		**Sand (SP)**: Dark greenish gray [5GY 4/1], fine grained sand, some medium grained sand, wet, some shell fragments. no hydrocarbon odor (BAY SEDIMENT).	
		n. a.	n. r.		8			
					9			
					10			
				-4.2			**TOTAL DEPTH = 10.5 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32PBC-1A-4

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:55:05 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32PBC-1A-5

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-28-02	05-28-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 474,853.3 E 1,477,636.4	5.5 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 3.0 ft / 2.5ft ▼	n.a.	Stephen Quayle	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C714 (0.0 - 0.5)		n.a.	n.r.	5.2 / 5.0	0		**Asphalt**: over road base.	PID Background = 2.63 ppm
					1		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, moist, no hydrocarbon odor (FILL).	
C032C715 (0.5 - 2.0)					2		at 1.5 ft.: Greenish gray [5GY 5/1].	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		3		at 3.0 ft.: wet.	
C032C716 (2.0 - 4.0)							at 3.5 ft.: Light olive brown [2.5Y 5/4].	
					4		at 4.5 ft.: Greenish gray [5GY 5/1].	
					5			
		n.a.	n.r.		6		at 6.0 ft.: some shell fragments.	
C032C718 (4.0 - 8.0) C032C717 (4.0 - 8.0)					7		at 7.0 ft.: some coarse grained sand and fine gravel.	
				-3.0	8		**TOTAL DEPTH = 8.5 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32PBC-1A-5

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:55:13 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32PBC-1A-6

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-28-02	05-28-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 475,300.6 E 1,477,641.1	6.3 ft	8.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY / REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 3.8 ft / 2.5ft	n.a.	Stephen Quayle / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				6.0			**Asphalt**: over road base.	FID Background = 2.84 ppm
C032C719 (0.0 - 0.5)		n.a.	n.r.	5.8			**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, trace fine gravel, moist, no hydrocarbon odor (FILL).	
				5.3	1		**Clayey sand (SC)**: Very dark grayish brown [2.5Y 3/2], fine grained sand, trace fine gravel, moist, slight hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C720 (0.5 - 2.0)				4.3	2		**Sand (SP)**: Olive [5Y 5/3], fine grained sand, moist, slight hydrocarbon odor (FILL).	
		n.a.	n.r.		3		at 2.5 ft.: Light olive brown [2.5Y 5/4], no hydrocarbon odor.	
C032C721 (2.0 - 4.0)					4		at 3.8 ft.: Dark greenish gray [5GY 4/1], some medium grained sand, wet, some wood fragments.	No sample collected between 4.0-8.0 feet because of presence of bay mud.
					5			
		n.a.	n.r.	0.8			**Sandy clay (CL)**: Dark greenish gray [5GY 4/1] with brown mottling, fine grained sand, low to medium plasticity, no hydrocarbon odor (BAY MUD).	
				0.3	6		**Clay (CH)**: Dark greenish gray [5GY 4/1], wet, high plasticity, some shell fragments, no hydrocarbon odor (BAY MUD).	
					7			
					8			
				-2.3			**TOTAL DEPTH = 8.5 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32PBC-1A-6

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:55:21 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32PBC-1A-7

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-28-02	05-28-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 474,852.0 E 1,478,088.8	7.0 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 5.5 ft / 1.5ft	n.a.	Stephen Quayle	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				6.7			**Asphalt**: over road base.	FID Background – 3.17 ppm
C032C723 (0.0 - 0.5)		n.a.	n.r.	6.5			**Sand (SP)**: Very dark grayish brown [2.5Y 3/2], fine grained sand, moist, no hydrocarbon odor (FILL).	
				6.0	1		**Clayey sand (SC)**: Olive [5Y 4/3] with brown mottling, fine to coarse grained sand, some fine gravel, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C724 (0.5 - 2.0)				5.0	2		**Sand (SP)**: Olive [5Y 5/3], fine grained sand, moist, no hydrocarbon odor (FILL).	
		n.a.	n.r.		3			
C032C725 (2.0 - 4.0)					4			
					5			
		n.a.	n.r.		6		at 5.5 ft.: wet. at 6.0 ft.: Greenish gray [5GY 5/1].	
C032C726 (4.0 - 8.0)				0.5	7		**Sandy clay (CL)**: Greenish gray [5GY 5/1], fine grained sand, wet, low plasticity, no hydrocarbon odor (BAY MUD).	Sample C032C726 collected above 6.5 feet below bottom of surface covering
				-0.5	8		**Clay (CH)**: Dark greenish gray [5GY 4/1], wet, high plasticity, trace thin sand layers. no hydrocarbon odor (BAY MUD).	
				-1.5			**TOTAL DEPTH = 8.5 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32PBC-1A-7

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:55:28 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32PBC-1A-8

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-28-02	05-28-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 475,303.5 E 1,478,090.4	6.5 ft	10.5 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 5.0 ft / 1.5ft	n.a.	Stephen Quayle / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
		n.a.	n.r.	6.0	1		**Asphalt**: over road base.	FID Background – 3.24 ppm
C032C727 (0.0 - 0.5)				5.0	2		**Sand (SW)**: Yellowish brown [10YR 5/6], fine to coarse grained sand, trace fine gravel, moist, no hydrocarbon odor (FILL). at 2.0 ft.: Light olive brown [2.5Y 5/4], some fine and coarse gravel.	Hole backfilled with cement-bentonite grout after completion. Not enough recovery for sample between 2.0-4.0 feet below bottom of surface covering.
C032C729 (0.5 - 2.0) C032C728 (0.5 - 2.0)		n.a.	n.r.		3			
					4			
		n.a.	n.r.	1.5	5		**Clayey sand (SC)**: Dark greenish gray [5GY 4/1] with brown mottling, fine to coarse grained sand and fine and coarse gravel, with fine and coarse gravel, wet, no hydrocarbon odor (FILL).	
					6			
					7			
C032C731 (4.0 - 8.0)				-1.5	8		**Sand (SP)**: Dark greenish gray [5GY 4/1], fine grained sand, trace fine gravel, wet, no hydrocarbon odor (FILL).	
		n.a.	n.r.		9			
					10			
				-4.0			**TOTAL DEPTH = 10.5 FEET**	

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SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32PBC-1A-8

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:55:35 AM

BORING LOG

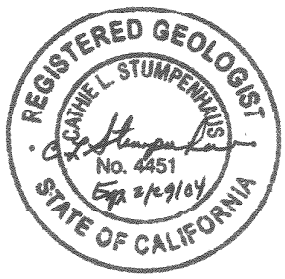
PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32PBC-1A-9

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-28-02	05-28-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 474,380.9 E 1,478,537.0	6.1 ft	8.0 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 4.0 ft / 2.1ft ▼	n.a.	Stephen Quayle	Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C732 (0.0 - 0.5)		n.a.	n.r.	5.6	0		**Silty sand (SM)**: Very dark grayish brown [2.5Y 3/2], fine grained sand, dry, no hydrocarbon odor (FILL).	PID Background = 3.46 ppm
C032C733 (0.5 - 2.0)					1		**Sand (SP)**: Light olive brown [2.5Y 5/4], fine grained sand, trace fine gravel, moist, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.		2		at 1.5 ft.: Olive [5Y 5/3], some shell fragments.	
C032C734 (2.0 - 4.0)					3			
					4		at 4.0 ft.: wet.	
		n.a.	n.r.		5			
C032C740 (4.0 - 8.0) C032C735 (4.0 - 8.0)					6			
					7			
				-1.9	8		**TOTAL DEPTH = 8.0 FEET**	



SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32PBC-1A-9

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:55:41 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32PBC-1A-10

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	05-28-02	05-28-02
DRILLING METHOD	**HAMMER WEIGHT / FALL**	**SITE LOCATION or MAP DESCRIPTION**	**ELEVATION**	**TOTAL DEPTH**
Direct Push	n.a.	N 474,851.2 E 1,478,537.0	7.5 ft	10.0 ft
DEPTH / ELEVATION TO WATER	**TOC ELEVATION**	**LOGGED BY** / **REVIEWED BY**	**ANGLE (from Horiz)**	**HOLE DIAMETER**
▽ 3.0 ft / 4.5ft ▼	n.a.	Stephen Quayle / Cathie Stumpenhaus - RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				6.5	1		**Asphalt**: over road base.	FID Background = 2.97 ppm
C032C736 (0.0 - 0.5)		n.a.	n.r.	5.5	2		**Sandy clay (CL)**: Very dark grayish brown [2.5Y 3/2] with reddish brown mottling, fine grained sand, moist, low plasticity, no hydrocarbon odor (FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C737 (0.5 - 2.0)				5.0	3		**Sand (SP)**: Olive [5Y 4/3], fine grained sand, moist, no hydrocarbon odor (FILL). at 3.0 ft.: wet.	
		n.a.	n.r.		4			
C032C738 (2.0 - 4.0)					5		at 5.5 ft.: Dark greenish gray [5GY 4/1], some medium grained sand.	
					6			
				0.5	7		**Clay (CH)**: Dark gray [N4], trace fine grained sand, wet, high plasticity, some shell fragments. no hydrocarbon odor (BAY MUD).	
		n.a.	n.r.		8			
C032C739 (4.0 - 8.0)				-1.5	9		**Sand (SP)**: Dark greenish gray [5GY 4/1], fine grained sand, wet, trace shell fragments. no hydrocarbon odor (BAY SEDIMENT).	
				-2.5	10		TOTAL DEPTH = 10.0 FEET	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32PBC-1A-10

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:54:43 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32PBC-3-1

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	06-02-02	06-02-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 473,482.4 E 1,483,675.3	5.9 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.5 ft / -0.6ft ▼	n.a.	Eric Johansen	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				5.4			**Asphalt**.	FID Background = 0.0 ppm
C032C741 (0.0 - 0.5)		n.a.	n.r.	5.3	1		**Silty gravel (GM)**: Very dark grayish brown [2.5Y 3/2], fine and coarse gravel, fine grained sand, angular, moist, (CONSTRUCTION FILL).	
C032C742 (0.5 - 2.0)							**Clayey gravel (GC)**: Yellowish brown [10YR 5/6], fine gravel, angular, moist, (CONSTRUCTION FILL).	Hole backfilled with cement-bentonite grout after completion.
				3.9	2		**Silty sand with gravel (SM)**: Dark grayish brown [2.5Y 4/2], fine grained sand, 20-25% fine gravel, moist, (FILL).	
		n.a.	n.r.	2.9	3		No recovery	
C032C743 (2.0 - 4.0)					4			
				0.9	5		**Clay (CL)**: Dark olive gray [5Y 3/2], firm to stiff, saturated, low to medium plasticity, (BAY MUD).	
		n.a.	n.r.		6			
					7			
				-2.1	8		**Sandy Clay (CL)**: (BAY SEDIMENT).	
				-2.6			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUST · No. 4451 Exp. 2-29-04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32PBC-3-1

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:02:09 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32PBC-3-2

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	06-02-02	06-02-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 473,325.8 E 1,483,971.1	8.1 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 6.5 ft / 1.6ft ▼	n.a.	Eric Johansen	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (#BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
C032C745 (0.0 - 0.5)		n.a.	n.r.	7.6	0		**Asphalt**.	FID Background = 0.0 ppm
					1		**Clayey gravel (GC)**: Dark yellowish brown [10YR 4/4], fine and coarse gravel, angular, moist, (CONSTRUCTION FILL).	
C032C748 (0.5 - 2.0) C032C746 (0.5 - 2.0)				6.6	2		**Clay (CL)**: Black [5Y 2.5/2], moist, low plasticity, (CONSTRUCTION FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.	5.1	3		**Clayey gravel (GC)**: Dark yellowish brown [10YR 4/4], fine and coarse gravel, angular, moist, (CONSTRUCTION FILL).	
C032C747 (2.0 - 4.0)					4			
				3.8			**Sandy clay (CL)**: Dark olive gray [5Y 3/2], fine grained sand, moist, low plasticity, (BAY MUD).	
				3.1	5		**Clay (CL)**: Dark olive gray [5Y 3/2], saturated, low to medium plasticity, with organic debris. (BAY MUD).	
		n.a.	n.r.		6			
					7			
					8			
				-0.4			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32PBC-3-2

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:02:14 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32PBC-3-3

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	06-02-02	06-02-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct Push	n.a.	N 473,329.6 E 1,484,252.1	8.5 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz.)	HOLE DIAMETER
▽ 6.0 ft / 2.5ft ▼	n.a.	Eric Johansen	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				8.0	0		Concrete.	FID Background = 1.66 ppm
		n.a.	n.r.		1		Clayey gravel (GC): Yellowish brown [10YR 5/6], fine and coarse gravel, angular, moist, (CONSTRUCTION FILL).	Hole backfilled with cement-bentonite grout after completion.
C032C749 (0.0 - 0.5)				6.5	2		Clay (CL): Very dark brown [10YR 2/2], moist, low plasticity, (CONSTRUCTION FILL).	
		n.a.	n.r.	6.0	3		Clayey gravel (GC): Yellowish brown [10YR 5/6], fine to coarse grained sand, angular, moist, (CONSTRUCTION FILL).	
				4.0	4		Clay (CL): Dark olive gray [5Y 3/2], moist, low plasticity, (BAY MUD).	
		n.a.	n.r.		5		at 6.0 ft.: saturated.	
					6			
					7			
					8			
				0.0			TOTAL DEPTH = 8.5 FEET	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 Exp. 2/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32PBC-3-3

Report form: CTO-032 ALAMEDA BORING LOG Time: 7:02:20 AM

BORING LOG

PROJECT	JOB NUMBER	SHEET NUMBER	HOLE NUMBER
CLEAN 3	23818-032	1 of 1	32PBC-3-4

DRILLING COMPANY	DRILLING RIG	SITE	BEGUN	FINISHED
Precision Drilling, Inc.	Precision XD-1	Alameda Point	06-02-02	06-02-02

DRILLING METHOD	HAMMER WEIGHT / FALL	SITE LOCATION or MAP DESCRIPTION	ELEVATION	TOTAL DEPTH
Direct-Push	n.a.	N 473,321.7 E 1,484,514.6	9.1 ft	8.5 ft

DEPTH / ELEVATION TO WATER	TOC ELEVATION	LOGGED BY	REVIEWED BY	ANGLE (from Horiz)	HOLE DIAMETER
▽ 6.5 ft / 2.6ft ▼	n.a.	Eric Johansen	Cathie Stumpenhaus RG 4451	Vertical	2.5 in

SAMPLE ID	SAMPLER ADVANCE	BLOW COUNTS (# BLOWS/6")	PID READING (PPM)	ELEVATION IN FEET	DEPTH IN FEET	GRAPHICS SYMBOL	DESCRIPTION and CLASSIFICATION	NOTES
				8.6	0		**Asphalt**.	FID Background = 0.0 ppm
		n.a.	n.r.		1		**Clayey gravel (GC)**: Yellowish brown [10YR 5/6], fine gravel, angular, moist, (CONSTRUCTION FILL).	
				7.6	2		**Clay (CL)**: Very dark brown [10YR 2/2], moist, low plasticity, (CONSTRUCTION FILL).	Hole backfilled with cement-bentonite grout after completion.
		n.a.	n.r.	6.6	3		No recovery	
C032C754 (0.0 - 0.5)				5.1	4		**Silty sand with gravel (SM)**: Very dark brown [10YR 2/2], fine grained sand, moist, (CONSTRUCTION FILL).	
				4.6			**Clay (CL)**: Very dark brown [10YR 2/2], moist, low plasticity, (CONSTRUCTION FILL).	
C032C755 (0.5 - 2.0)		n.a.	n.r.	4.1	5		**Sand (SP)**: Brownish yellow [10YR 6/6], fine grained sand, moist, laminated. (FILL).	
				3.1	6		**Clay (CL)**: Dark olive gray [5Y 3/2], moist, low plasticity, (BAY MUD). at 6.5 ft.: saturated.	
					7			
					8			
				0.6			**TOTAL DEPTH = 8.5 FEET**	

REGISTERED GEOLOGIST · CATHIE L. STUMPENHAUS · No. 4451 · Exp. 4/29/04 · STATE OF CALIFORNIA

SEE EXPLANATION FOR SYMBOLS AND ABBREVIATIONS	WELL / BORING LOCATION	HOLE NUMBER
	Alameda Point, Alameda, CA	32PBC-3-4

Report form: CTO-032 ALAMEDA BORING LOG Time: 5:41:45 PM

ATTACHMENT C3

CHAIN-OF-CUSTODY FORMS

(on CD)

BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20686

Site Name: EDC-3
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HOUSER / K. BARNES
Signature(s): KBar

Analytical Laboratory Name: STL WEST SACRAMENTO
Analytical Laboratory Address: 880 Riverside Pkwy, W. Sacramento, CA 95605
Field Logbook/Page Number: EC-032-EDC3-01 pg 21, 28, 25

Pay Items/ Analyses Required

Preservation (4°C): NONE | 7.25 DAH - 8270C SIM | 8270C SIM

TAT (In days): 2 | 7 | (14) | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C 683	5-24-02/0845	EDC-322	SOIL	1	P.2X	01	0-6"
C032C 684	5-24-02/0847	EDC-322	SOIL	1		01	6-24"
C032C 685	5-24-02/0856	EDC-322	SOIL	1		01	24-48"
C032C 686	5-24-02/0908	EDC-322	SOIL	1		01	48-96"
C032C 657	5-24-02/1119	EDC-316	SOIL	1		01	0-6"
C032C 658	5-24-02/1122	EDC-316	SOIL	1		01	6-24"
C032C 659	5-24-02/1129	EDC-316 BOREHOLE	SOIL	1		01	24-48"
C032C 660	5-24-02/1133	EDC-317 316	SOIL	1		01	48-96"
C032C 678	5-24-02/1440	EDC-321	SOIL	1	TMA 8260	01	0-6"
C032C 680	5-24-02/1448	EDC-321	SOIL	1		01	6-24"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HOUSER / BEI	FEDEX	5-24-02	1730	SHIP TO LAB

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT J. JORDAN w/ QUESTIONS

Method of Shipment: FEDEX

Airbill No.: 7904-3072-7213

Total No. of Coolers Shipped: 1

Total No. of Containers: 9

Lab Sample Receipt Temp:

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C032CR18

MAY 28 2002 9:20AM HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20685

Site Name: EDC-3
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HOUSER / K. BARNES
Signature(s):

Analytical Laboratory Name: COLUMBIA
Analytical Laboratory Address: 1317 South 13th Ave Kelso, WA 98626
Field Logbook/Page Number: FL-~~BTS~~ 032 - EDC3-01, pp 22, 23, 26

Pay Items/ Analyses Required

Preservation (4°C)

NONE | 7.25 | PAH-8270C SIM | TPH-418.1

TAT (In days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C 674	5-24-02 / 0947	EDC-320	SOIL	1		01	0-6"
C032C 675	5-24-02 / 0949	EDC-320	SOIL	1		01	6-24"
C032C 676	5-24-02 / 0953	EDC-320	SOIL	1		01	24-48"
C032C 677	5-24-02 / 1000	EDC-320	SOIL	1		01	48-96"
C032C 678	5-24-02 / 1004	EDC-320	SOIL	1		01	48-96" FD
C032C 652	5-24-02 / 1338	EDC-315	SOIL	1		01	0-6"
C032C 653	5-24-02 / 1341	EDC-315	SOIL	1		01	6-24"
C032C 654	5-24-02 / 1347	EDC-315	SOIL	1		01	24-48"
C032C 655	5-24-02 / 1350	EDC-315	SOIL	1		01	48-96"
C032C 656	5-24-02 / 1356	EDC-315	SOIL	1		01	48-96" FD

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HOUSER / BEC	FEDEX	5-24-02	1730	SHIP TO LAB

Comments/Instructions: FOLLOW BEC SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 790204092 9913
Total No. of Containers: 10
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp.:

C032CR18
C032CFD2

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MAY 28 2002 9:19AM HP LASERJET 3200 P.4

BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20665

Site Name: EDC-3
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s): T. H
KBa

Pay Items/ Analyses Required

Analytical Laboratory Name: COLUMBIA
Analytical Laboratory Address: 1317 South 13th Ave Kelso, WA 98626
Field Logbook/Page Number: FL-032-EDC3-01, pg 29
FL-032-EDC3-01, pg 28

Preservation (4°C): NONE; 3.15 Pkt - 8270C SIM

TAT (In days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C670	5-24-02/1518	EDC-319	SOIL	1	p.29	01	0-6"
C032C671	5-24-02/1526	EDC-319	SOIL	1	p.29	01	6-24"
C032C672	5-24-02/1533	EDC-319	SOIL	1	p.29	01	48-96" BG
C032C673	5-24-02/1535	EDC-319	SOIL	1	p.29	01	24-48"
C032C680	5-24-02/1448	EDC-321	SOIL	1	p.28	01	48-96"
C032C681	5-24-02/1451	EDC-321	SOIL	1	p.28	01	6-24"
C032C682	5-24-02/1455	EDC-321	SOL	1	p.28	01	24-48"
							48-96"

KBa

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER/BEI	FEDEX	5-24-02	1730	SHIP TO LAB

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT J JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7920 4092 9913
Total No. of Containers: 7
Total No. of Coolers Shipped: 1
Lab Seal:
Cooler Temp.:

C032CF02
C032CR18

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P.5

CLEAN

CHAIN-OF-CUSTODY RECORD

20687

Site Name: EDC-3
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s):

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4203 West Swift. Fresno, CA
Field Logbook/Page Number: FL-032-EDC3-01 pg. 24, 27

Pay Items/ Analyses Required

Preservation (4°C)

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C661	5-24-02/1028	EDC-317	Soil	1		01	0-6"
C032C662	5-24-02/1030	EDC-317	Soil	1		01	6-24"
C032C663	5-24-02/1033	EDC-317	Soil	1		01	24-48"
C032C664	5-24-02/1039	EDC-317	Soil	1		01	48-96"
C032C665	5-24-02/1416	EDC-318	Soil	1		01	0-6"
C032C666	5-24-02/1418	EDC-318	SOIL	1		01	6-24"
C032C667	5-24-02/1419	EDC-318	SOIL	1		01	6-24" FD
C032C668	5-24-02/1422	EDC-318	SOIL	1		01	24-48"
C032C669	5-24-02/1426	EDC-318	SOIL	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-24-02	1730	SHIP TO LAB

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7918 1701 6194
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab Receipt Temp.:
Cooler Temp.:

C032CF02
C032CR18

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P.5

CLEAN Alameda Point EDC-3

CHAIN-OF-CUSTODY RECORD

20706

Site Name: ~~Alam~~ BCD EDC-3
CTO Number: 032
Site Contact/Supervisor: E. Johansen

Sampler(s): T. Mote J. Bernstein
Signature(s): [signature]

Analytical Laboratory Name: STL West
Analytical Laboratory Address: 880 Riverside Pkwy; West Sacramento CA 95605
Field Logbook/Page Number: FL-032-EDC3-01 pg 31
FL-032-EDC3-01, pg 32
, pg 34

Pay Items/ Analyses Required: USA EPA 8260C SIM; ~~PAA~~ DCE 25

Preservation (4°C): NONE

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C635	5-28-02/0849	32EDC-311	SOIL	1		01	0-6"
C032C636	5-28-02/0851	32EDC-311	SOIL	1		01	6-24"
C032C637	5-28-02/0902	32EDC-311	SOIL	1		01	24-48"
C032C638	5-28-02/0907	32EDC-311	SOIL	1		01	48-96"
C032C621	5-28-02/1022	32EDC-308	SOIL	1		01	0-6"
C032C622	5-28-02/1025	32EDC-308	SOIL	1		01	6-24"
C032C623	5-28-02/1026	32EDC-308	SOIL	1		01	6-24" FD
C032C624	5-28-02/1031	32ED-308	SOIL	1		01	24-48"
C032C625	5-28-02/1039	32EDC-308	SOIL	1		01	48-96"
C032C643	5-28-02/1306	32EDC-313	SOIL	1		01	0-6"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
Tim Mote Bechtel ~~Fed Ex~~	S. Quayle / Kleinfelder ~~Fed Ex~~	5/28/02	1700	Ship to Lab
S. Quayle / Kleinfelder	Fed Ex	5/28/02	1800	Ship to Lab

Comments/Instructions: Follow BN/SOW for lab analysis
Contact J. Jordan for questions

Method of Shipment: Fed Ex
Total No. of Coolers Shipped: 1
Airbill No.: 7905 3366 8109
Total No. of Containers: 10
Lab Use:
Cooler Temp:

C032CF02
C032CR19

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MAY 29 2002 8:20AM HP LASERJET 3200

P. 4

CLEAN

CHAIN-OF-CUSTODY RECORD

20703

Site Name: Alameda Point EDC-3
CTO Number: 032
Site Contact/Supervisor:

Sampler(s): T. Mote, J. Bornstein
Signature(s): TMote

Pay Items/ Analyses Required: TAT PAH EPA 8270C SIM

Analytical Laboratory Name: STL West
Analytical Laboratory Address: 880 Riverside Pkwy West Sacramento CA 95605
Field Logbook/Page Number: FL-032-EDC3-01, pg 34, pg 36

Preservation (4°C): NONE

TAT (in days): ② 7 ⑭ 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
							6-24"
C032C644	5-28-02/1309	32EDC-313	SOIL	1		01	6-24" FD
C032C645	5-28-02/1310	32EDC-313	SOIL	1		01	24-48"
C032C646	5-28-02/1312	32EDC-313	SOIL	1		01	48-96"
C032C647	5-28-02/1316	32EDC-313	SOIL	1		01	0-6"
C032C630	5-28-02/1417	32EDC-310	SOIL	1		01	6-24"
C032C631	5-28-02/1419	32EDC-310	SOIL	1		01	24-48"
C032C632	5-28-02/1424	32EDC-310	SOIL	1		01	48-96"
C032C633	5-28-02/1430	32EDC-310	SOIL	1		01	48-96" FD
C032C634	5-28-02/1429	32EDC-310	SOIL	1		01	Equipment Rinsate
C032CR19	5-28-02/1600	FQC-EQUIPMENT RINSATE	WATER	2		01/02	

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
Tim Mote / Bechtel	S. Quayle Kleinfelder ~~Fed Ex~~	5/28/02	1700	Ship to Lab
S. Quayle / Kleinfelder	Fed Ex	5/28/02	1800	Ship to Lab

Comments/Instructions: Follow BN ISOW for lab analysis. Contact J. Jordan w/ questions

Method of Shipment: Fed Ex
Total No. of Coolers Shipped: 1
Airbill No.: 7905 3366 8109
Total No. of Containers: 11
Lab Use: Cooler Temp:

C032CF02
C032CR19

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MAY 29 2002 8:20AM HP LASERJET 3200

CLEAN

CHAIN-OF-CUSTODY RECORD

20701

Site Name: Alameda Point EDC
CTO Number: 032
Site Contact/Supervisor: E. Johansen

Sampler(s): T. Mote, J. Bernstein
Signature(s):

Pay Items/ Analyses Required

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 South 13th Ave, Kelso WA 98626
Field Logbook/Page Number: FL-032-EDC-01 pg 30, 33, 35

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C617	5-28-02/0941	32 EDC-306	SOIL	1		01	0-6'
C032C618	5-28-02/0948	32 EDC-307	SOIL	1		01	6-24'
C032C619	5-28-02/0950	32 EDC-307	SOIL	1		01	24-48
C032C620	5-28-02/0955	32 EDC-307	SOIL	1		01	48-96
C032C639	5-28-02/1102	32 EDC-312	SOIL	1		01	0-6'
C032C640	5-28-02/1105	32 EDC-312	SOIL	1		01	6-24
C032C641	5-28-02/1109	32 EDC-312	SOIL	1		01	24-48
C032C642	5-28-02/1114	32 EDC-312	SOIL	1		01	48-96
C032C648	5-28-02/1344	32 EDC-314	SOIL	1		01	0-6'
C032C649	5-28-02/1346	32 EDC-314	SOIL	1		01	6-24

TAT (in days): 2 | 7 | 14

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
Tim Mote / Bechtel	S. Quayle / Kleinfelder / ~~Fed Ex~~	5/28/02	1700	Ship to Lab
S. Quayle / Kleinfelder	Fed Ex	5/28/02	1800	Ship to Lab

Comments/Instructions: Follow EN/SOW for ltb analysis. Contact J. Jordan w/ questions

Method of Shipment: Fed Ex
Airbill No.: 7905 3366 6065
Total No. of Containers: 10
Total No. of Coolers Shipped: 1

C032CF02
C032CR19

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MAY 29 2002 8:21AM HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20702

Site Name: Alameda Point EDC3
CTO Number: CO32
Site Contact/Supervisor: E. Johansen

Sampler(s): T. Mote, J. Bornstein
Signature(s):

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 South 13th Ave, Kelso WA 98626
Field Logbook/Page Number: FL-032-EDC-01 pg 35, 37

Pay Items/ Analyses Required: EPA 8270C SIM; TCLP; Preservation (4°C)

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C650	5-28-02/1358	32-EDC-314	SOIL	1		01	24-48"
C032C651	5-28-02/1353	32-EDC-314	SOIL	1		01	48-96"
C032C626	5-28-02/1458	32-EDC-309	SOIL	1		01	0-6"
C032C627	5-28-02/1500	32-EDC-309	SOIL	1		01	6-24"
C032C628	5-28-02/1508	32-EDC-309	SOIL	1		01	BD 24-48"
C032C629	5-28-02/1512	32-EDC-309	SOIL	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
Tim Mote/Bechtel	S. Quayle/Kleinfelder	5/28/02	1700	Ship to lab
S. Quayle/Kleinfelder	Fed Ex	5/29/02	1800	Ship to lab

Comments/Instructions: Follow BN/SOW for lab analysis. Contact J. Jordan with questions

Method of Shipment: Fed Ex
Airbill No.: 7905 3366 6665
Total No. of Containers: 6
Total No. of Coolers Shipped: 1
Cooler Temp.:

C032CF02
C032CR19

MAY 29 2002 8:22AM HP LASERJET 3200

BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20705

Site Name: EDC - 3
CTO Number: 032
Site Contact/Supervisor: E. Johansen

Sampler(s): T. Mote, K. Barnes
Signature(s): [signature] Kare Barnes

Pay Items/ Analyses Required: 7.25 EPA 8270C SIM

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 South 13th Ave, Kelso WA 98626
Field Logbook/Page Number: FL-032-EDC-01, pg 38, 41

Preservation (4°C): NONE

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C591	5-28-02/0840	32EDC-301	SOIL	1		01	0-6"
C032C592	5-28-02/0843	32EDC-301	SOIL	1		01	6-24"
C032C593	5-29-02/0850	32EDC-301	SOIL	1		01	24-48"
C032C594	5-29-02/0852	32EDC-301	SOIL	1		01	48-96"
C032C599	5-29-02/1035	32EDC-303	SOIL	1		01	0-6"
C032C600	5-29-02/1036	32EDC-303	SOIL	1		01	6-24"
C032C601	5-29-02/1037	32EDC-303	SOIL	1		01	6-24" FD
C032C602	5-29-02/1042	32EDC-303	SOIL	1		01	24-48"
C032C603	5-29-02/1044	32EDC-303	SOIL	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
Tim Mote/Bechtel	S. Quayle/Kleinfelder	5/29/02	1700	Ship to lab
S. Quayle/Kleinfelder	Fed Ex	5/29/02	1700	Ship to lab

Comments/Instructions: Follow BNISOW for lab analysis. Contact J. Jordan with questions

Method of Shipment: Fed Ex
Airbill No.: 7914 4950 1349
Total No. of Coolers Shipped: 1
Total No. of Containers: 9
Lab Use:
Cooler Temp.:

C032CF02
C032CR20

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MAY 30 2002 8:15AM HP LASERJET 3200

BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20704

Site Name: EDC-3
CTO Number: 032
Site Contact/Supervisor: E. Johansen

Sampler(s): T. Mote & K. Barnes
Signature(s): TMM
Kan Bar

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4203 W. Swift Fresno, CA 93722
Field Logbook/Page Number: FL-032-EDC-01, pg. 39, 42

Pay Items/ Analyses Required

NONE 8260 EPA 6710C SVOC

Preservation (4°C)

TAT (in days): 2 | 7 | (14) | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C604	5-29-02/0827	32 EDC-304	SOIL	1		01	0-6"
C032C605	5-29-02/0929	32 EDC-304	SOIL	1		01	6-24"
C032C606	5-29-02/0933	32 EDC-304	SOIL	1		01	24-48"
C032C607	5-29-02/0937	32 EDC-304	SOIL	1		01	48-96"
C032C613	5-29-02/1118	32 EDC-306	SOIL	1		01	0-6"
C032C614	5-29-02/1120	32 EDC-306	SOIL	1		01	6-24"
C032C615	5-29-02/1123	32 EDC-306	SOIL	1		01	24-48"
C032C616	5-29-02/1125	32 EDC-306	SOIL	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
Tim Mote/Bechtel	S. Quayle/Klenfelder	5/29/02		ship to lab
S. Quayle/Klenfelder	Fed Ex	5/29/02		ship to lab

Comments/Instructions: Follow BWSOW for lab analysis
Contact J. Jordan w/ questions

Method of Shipment: Fed Ex
Airbill No.: 811494993561
Total No. of Containers: 8
Total No. of Coolers Shipped: 1
Lab Shpg.
Cooler Temp.

C032CF02
C032CR27

MAY 30 2002 8:14AM HP LASERJET 3200

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CLEAN

CHAIN-OF-CUSTODY RECORD

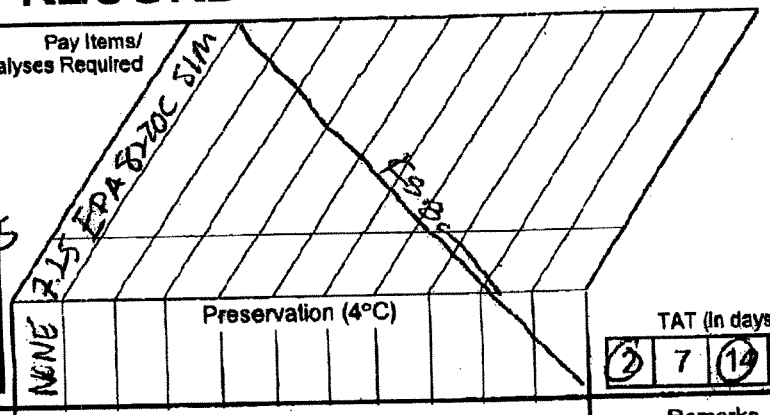
20726

Site Name: EDC-3
CTO Number: 032
Site Contact/Supervisor: E. Johansen

Sampler(s): T. Mote, K. Barnes
Signature(s): TMB
Ken Ba

Analytical Laboratory Name: STL West
Analytical Laboratory Address: 880 Riverside Pkwy, West Sacramento CA 95605
Field Logbook/Page Number: FL-032-EDC-01, pg 40

Pay Items/ Analyses Required



TAT (In days): 3 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C595	5-29-02/1001	32-EDC-302	SOIL	1		01	0-6"
C032C596	5-29-02/1003	32-EDC-302	SOIL	1		01	6-24"
C032C597	5-29-02/1008	32-EDC-302	SOIL	1		01	24-48"
C032C598	5-29-02/1011	32-EDC-302	SOIL	1		01	48-96"
C032C608	5-29-02/1311	32-EDC-305	SOIL	1		01	0-6"
C032C609	5-29-02/1313	32-EDC-305	SOIL	1		01	6-24"
C032C610	5-29-02/1318	32-EDC-305	SOIL	1		01	24-48"
C032C611	5-29-02/1322	32-EDC-305	SOIL	1		01	48-96"
C032C612	5-29-02/1322	32-EDC-305	SOIL	1		01	48-96" (FD)
BD			KBK			FSD	

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
Tim Mote/Bechtel	S. Quayle/Kleinfelder	5/29/02	1700	Ship to lab
S. Quayle/Kleinfelder	Fed Ex	5/29/02	1900	Ship to lab

Comments/Instructions: Follow BNISOW for lab analysis
Contact J. Jordan with Questions

Method of Shipment: Fed Ex
Airbill No.: 7920 4279 1170
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Cooler Temp.:

C032CF02
C032CR20

CLEAN

CHAIN-OF-CUSTODY RECORD

20195

Site Name: EDC-5 ALAMEDA
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. STOVER
Signature(s):

Analytical Laboratory Name: COLUMBIA
Analytical Laboratory Address: 1317 SOUTH 13TH ST. KELSO, WA 98626
Field Logbook/Page Number: FL-032 EDC-5-01 pg 21, 24

Pay Items/ Analyses Required: 8260B PAH U.S. EPA 8270C PAH BY SIM

Preservation (4°C): COOL

TAT (in days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C759	5-13-02/0935	EB-05 EDC-501	SOIL	1		01	0"-6"
C032C760	5-13-02/0947	32EDC-501	SOIL	1		01	6"-24"
C032C761	5-13-02/0950	32EDC-501	SOIL	1		01	24"-48"
C032C762	5-13-02/1002	32EDC-501	SOIL	1		01	48"-96"
C032C763	5-13-02/1144	32EDC-502	SOIL	1		01	0"-6"
C032C764	5-13-02/1146	32EDC-502	SOIL	1		01	6"-24"
C032C765	5-13-02/1150	32EDC-502	SOIL	1		01	24-48"
C032C766	5-13-02/1152	32EDC-502	SOIL	1		01	48-96" MS/MSD Per Columbia
C032CR03 DS	5-13-02/1154 1720	FBC	WATER	2		01/02 01/02	Rinsate
C032CR04 DS	5-13-02/1725	FBC	WATER	2		01/02 01/02	Rinsate

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-13-02	1900	SHIP TO LAB
		5-14-02	1000	

Comments/Instructions: Follow BEI SOW FOR LAB ANALYSIS. CALL J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7920 3333 3929
Total No. of Containers: 12
Total No. of Coolers Shipped: 1
Lab Temp:
Cooler Temp:

C032CF02
C032CR03
C032CR04
C032CR05

T = 1.7

SDG - K2203083

MAR-18 2002 17:11 HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

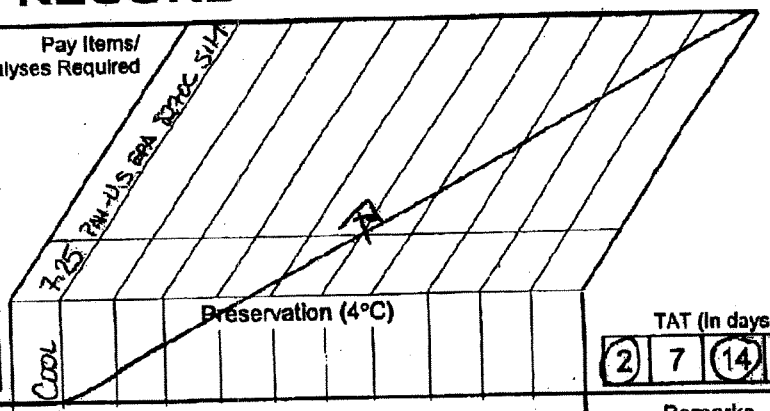
20197

Site Name: EDC-5 ALAMEDA
CTO Number: 032
Site Contact/Supervisor: J JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s): T. H

Pay Items/ Analyses Required

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4203 W. SWIFT FRESNO CA 93722
Field Logbook/Page Number: FL-032-EDC-5-01 pg 22, 25



TAT (In days): 2 | 7 | (14) | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C785	5-13-02/1017	32EDC-507	SOIL	1		01	0"-6"
C032C786	5-13-02/1022	32EDC-507	SOIL	1		01	6"-24"
C032C787	5-13-02/1025	32EDC-507	SOIL	1		01	24"-48"
C032C788	5-13-02/1036	32EDC-507	SOIL	1		01	48"-96"
C032C767	5-13-02/1319	32EDC-503	SOIL	1		01	0"-6"
C032C768	5-13-02/1323	32EDC-503	SOIL	1		01	6"-24"
C032C769	5-13-02/1325	32EDC-503	SOIL	1		01	6"-24" FD
C032C770	5-13-02/1328	32EDC-503	SOIL	1		01	24"-48"
C032C771	5-13-02/1333	32EDC-503	SOIL	1		01	48"-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-13-02	1900	SHIP TO LAB
		5-14-02	0945	

Comments/Instructions: Follow BNI SOW for LAB ANALYSIS. CONTACT J. JORDAN WITH QUESTIONS.

Method of Shipment: FEDEX
Airbill No.: 7904 1631 2098
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab Seal(s):
Cooler Temp.:

C032CF02
C032CR03
C032CR04
C032CR05

T = 2
SDG = 38345

MAY 14 2002 8:38AM HP LASERJET 3200

BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20196

Site Name: EDC-5 ALAMEDA
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s): [signatures]

Pay Items/ Analyses Required: 7/26 8011-US EPA 8270C SIM

Analytical Laboratory Name: STL WEST SACRAMENTO
Analytical Laboratory Address: 880 RIVERSIDE PARKWAY W. SACRAMENTO, CA 95605-1500
Field Logbook/Page Number: FL-032-EDC-5-01, pg 23, 26

Preservation (4°C): COOL

TAT (in days): 2 (circled) 7 14 (circled) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C789	5-13-02/1100	32EDC-508	SOIL	1		01	0"-6"
C032C790	5-13-02/1104	32EDC-508	SOIL	1		01	6"-24"
C032C791	5-13-02/1106	32EDC-508	SOIL	1		01	6"-24" FD
C032C792	5-13-02/1110	32EDC-508	SOIL	1		01	24"-48"
C032C793	5-13-02/1118	32EDC-508	SOIL	1		01	48"-96"
C032C772	5-13-02/1402	32EDC-504A	SOIL	1		01	0"-6"
C032C773	5-13-02/1407	32EDC-504A	SOIL	1		01	6"-24"
C032C774	5-13-02/1409	32EDC-504A	SOIL	1		01	24"-48"
C032C775	5-13-02/1413	32EDC-504A	SOIL	1		01	48"-96"
~~C032CR030~~	~~5-13-02/1720~~		~~WATER~~	~~2~~		~~01/02~~	~~[illegible]~~

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-13-02	1930	SHIP TO LAB
		5-14-02	1000	

Comments/Instructions: FOLLOW BNI SOW FOR LAB ANALYSIS. CALL J. JORDAN W/ QUESTIONS.

Method of Shipment: FEDEX
Airbill No.: 7927-2611-6218
Total No. of Containers: 9
Total No. of Coolers Shipped: 1

C032CF02
C032CR03
C032CR04
C032CR05

T=5°C
SDG-G2E140187

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MAY 14 2002 8:40AM HP LASERJET 3200

BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20208

Site Name: EDC-5 ALAMEDA
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s):

Pay Items/ Analyses Required

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4203 W. SWIFT FRESNO, CA 93722
Field Logbook/Page Number: FL-032-EDC-5-01 pg 28

Preservation (4°C)

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C794	5-13-02 / 1507	32EDC-509	SOIL	1		01	0"-6"
C032C795	5-13-02 / 1508	32EDC-509	SOIL	1		01	6"-24"
C032C796	5-13-02 / 1511	32EDC-509	SOIL	1		01	24"-48"
C032C797	5-13-02 / 1518	32EDC-509	SOIL	1		01	48"-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-13-02	1900	SHIP TO LAB
		5-14-02	0945	

Comments/Instructions: Follow BNI SOW for analysis. 2 Day prelim results, 14 day report. CONTACT J. JORDAN w/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 790411631298
Total No. of Coolers Shipped: 1
Total No. of Containers: 4
Lab Std:
Cooler Temp:

C032CF02
C032CR03
C032CR04
C032CR05

T=2
JDG - 38345

MAY 14 2002 8:37AM HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20209

Site Name: EDC-5 ALAMEDA
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s): TH
K. Barnes

Analytical Laboratory Name: COLUMBIA
Analytical Laboratory Address: 1317 SOUTH 13TH AVE. KELSO, WA 98626
Field Logbook/Page Number: FL-032-EDC-5-01 pg 27, 29

Pay Items/ Analyses Required: 7325 PAH-US EPA 8270C; Preservation (4°C); COOL

TAT (in days): (2) | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C798	5-13-02/1435	32EDC-510	SOIL	1		01	0"-6"
C032C799	5-13-02/1437	32EDC-510	SOIL	1		01	6"-24"
C032C800	5-13-02/1439	32EDC-510	SOIL	1		01	24"-48"
C032C801	5-13-02/1446	32EDC-510	SOIL	1		01	48"-96" MS/MSD
C032C802	5-13-02/1448	32EDC-510	SOIL	1		01	48"-96" FD
C032C811	5-13-02/1548	32EDC-513A	SOIL	1		01	0"-6"
C032C812	5-13-02/1550	32EDC-513A	SOIL	1		01	6"-24"
C032C813	5-13-02/1551	32EDC-513A	SOIL	1		01	6"-24" FD
C032C814	5-13-02/1556	32EDC-513A	SOIL	1		01	24"-48"
C032C815	5-13-02/1601	32EDC-513A	SOIL	1		01	48"-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER/BEI	FEDEX	5-13-02	1900	SHIP TO LAB
		5-14-02	1000	

Comments/Instructions: FOLLOW BEI SOW FOR LAB ANALYSIS. CALL J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7920 3333 3929
Total No. of Containers: 10
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp:

C032FD2
C032CR03
C032CR04

T = 1.7

SDG - K2203083

MAY 14 2002 8:38AM HP LASERJET 3200

V *

CLEAN

CHAIN-OF-CUSTODY RECORD

20193

Site Name: EDC-5
CTO Number: 032 J. Jordan
Site Contact/Supervisor: ~~E. Johnson~~

Sampler(s): R. Prince
Signature(s):
5/13/02

Pay Items/ Analyses Required

None | 25 PAH to SIM | Preservation (4°C) | TAT (in days): 2 | 7 | 14 | 30

5/13/02 5/14/02 5/15/02

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4303 West Swift, Fresno, CA 93722
Field Logbook/Page Number: FI-032-EDC5-02
~~pgs~~ pgs 1, 2, 23, 26

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C816	5-13-02 1140	32EDC-514	Soil	1		01	0 to 6"
C032C817	5-13-02 1140	32EDC-514		1		01	6 to 24"
C032C818	5-13-02 1150	32EDC-514		1		01	24" to 48"
C032C819	5-13-02 1900	32EDC-514		1		01	48" to 96"
C032C847	5-13-02 1500	32EDC-521		1		01	0 to 6"
C032C848	5-13-02 1500	32EDC-521		1		01	6" to 24"
C032C849	5-13-02 1510	32EDC-521		1		01	24" to 48"
C032C850	5-13-02 1520	32EDC-521		1		01	48" to 96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hauser / BEI	5/13/02	1810	SHIP TO LAB
T. Hauser / BEI	FEDEX	5/13/02	1900	SHIP TO LAB
		5/14/02	0945	

Comments/Instructions: Follow SOW/SOW for Lab analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Exp
Airbill No.: 7904 1631 2097
Total No. of Containers: 8
Total No. of Coolers Shipped: 1
Lab Shipping Cooler Temp.

Carl Brunkhorst
R. Prince

C032CF02
C032CR03
C032CR04
C032CR05

T=2
SDG- 38345

CLEAN

CHAIN-OF-CUSTODY RECORD

20207

Site Name: EDC-5
CTO Number: 032 S Jordan
Site Contact/Supervisor: ~~E Johnson~~ 5/13/02

Sampler(s): R Perkins
Signature(s):

Analytical Laboratory Name: STL West Sacramento
Analytical Laboratory Address: 880 Riverside Pkwy, West Sacramento CA
Field Logbook/Page Number: FL-032-EDC5-02
~~pgs~~ 1, 2, 24, 27

Pay Items/ Analyses Required: 1,25 PAH to SIM; Preservation (4°C); TAT (in days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CY20	5-13-02 1340	32 EDC-515	Soil	1		01	0 to 6" MS/MSD
C032C Y21	5-13-02 1340	32 EDC-515		1		01	6" to 24"
C032C Y22	5-13-02 1345	32 EDC-515		1		01	24" to 48"
C032C Y23	5-13-02 1355	32 EDC-515		1		01	48" to 96"
C032C Y24	5-13-02 1355	32 EDC-515		1		01	48" to 96" FD
C032C Y25	5-13-02 1525	32 EDC-511		1		01	0 to 6"
C032C Y26	5-13-02 1525	32 EDC-511		1		02	6" to 24"
C032C Y27	5-13-02 1550	32 EDC-511		1		03	24" to 48"
C032C Y28	5-13-02 1600	32 EDC-511		1		01	48" to 96"

Per STL CA

5/13/02

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. HAUSER / BEI	5/13/02	1810	SHIP TO LAB
T. HAUSER / BEI	FEDEX	5/13/02	1900	SHIP TO LAB
		5/14/02	1000	

Comments/Instructions: Follow BNI SOW for Lab analysis. Call S. Jordan w/ questions.

Method of Shipment: FedEx
Airbill No.: 7918-3730-8995
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab Name:
Cooler Temp.:

C032CF02
C032CR03
C032CR04
C032CR05

T = 3°C

SDG-G2E140187

MAY 14 2002 8:40AM HP LASERJET 3200

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P. 9
MAY 14 2002 8:39AM HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20206

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: ~~K. Johnson~~ J. Jordan

Sampler(s): R Price
Signature(s): [signature]
5/13/02

Analytical Laboratory Name: Columbia Analytical
Analytical Laboratory Address: 1317 S. 13th Ave, Kelso WA 98626
Field Logbook/Page Number: FL-032-EDC5-02
~~PO~~ 1, 2, 22, 25

Pay Items/ Analyses Required

Preservation (4°C)

TAT (in days): 2 | 7 | 14 | ~~30~~

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CF82	5-13-02 1050	32EDC-519	Soil	1		01	0 to 6"
C032CF89	5-13-02 1050	32EDC-519		1		01	6" to 24"
C032CF90	5-13-02 1100	32EDC-519		1		01	24" to 48"
C032CF91	5-13-02 1100	32EDC-519		1		01	48" to 96"
C032CF92	5-13-02 1425	32EDC-520		1		01	0 to 6"
C032CF93	5-13-02 1425	32EDC-520		1		01	6" to 24"
C032CF94	5-13-02 1425	32EDC-520		1		01	24" to 48"
C032CF95	5-13-02 1430	32EDC-520		1		01	48" to 96" (MS/MSD)
C032CF96	5-13-02 1430	32EDC-520	↓	1		01	48" to 96" FD

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
[signature] BC	T. Hauser/ BEI	5/13/02	1810	SHIP TO LAB
T. Hauser / BEI	FEDEX	5-13-02	1900	SHIP TO LAB
		5-14-02	1000	

Comments/Instructions: Follow BNI SOW for Lab analysis. Call J. Jordan w/ questions

Method of Shipment: FedEx
Airbill No.: 7905-2460-8039
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab Seal
Cooler Temp.

C032CF02
C032CR03
C032CR04
C032CR05

T = 2.8

SDG - K2203082

MS/MSD on Sample C032C121. per Columbia

I:\word_proc...\forms\cocrecor.doc

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

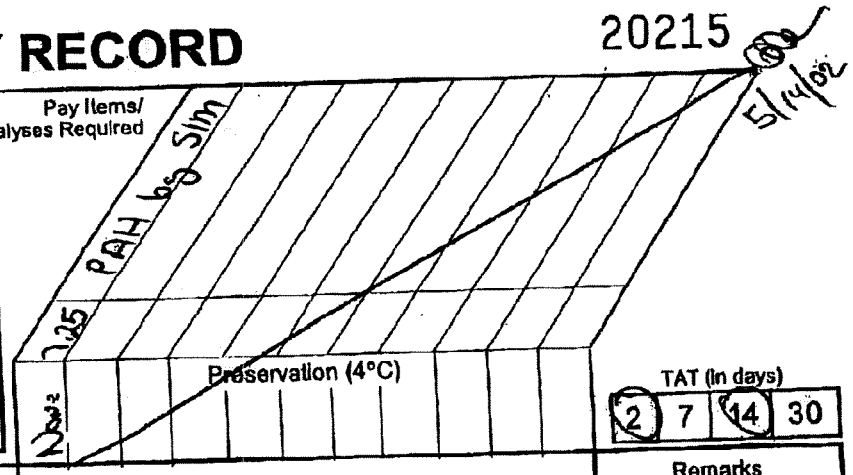
20215

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Poirier
Signature(s):

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 S. 13th Ave. Kelso, WA 98626
Field Logbook/Page Number: EL-032-EDC5-02
pgs 28, 31

Pay Items/ Analyses Required



TAT (In days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032 CY64	5-14-02 0945	32EDC-525	Soil	1		01	0-6"
C032 CY65	5-14-02 0945	32EDC-525		1		01	6"-24"
C032 CY66	5-14-02 0955	32EDC-525		1		01	24"-48"
C032 CY67	5-14-02 1000	32EDC-525		1		01	48"-96" ~~(MS/MSD)~~
C032 CY68	5-14-02 1000	32EDC-525		1		01	48"-96" FD
C032C YY6	5-14-02 1239	32EDC-530		1		01	0-to 6"
C032C YY7	5-14-02 1230	32EDC-530		1		01	6 to 24
C032C YY8	5-14-02 1240	32EDC-530		1		01	24 to 48
C032C YY9	5-14-02 1250	32EDC-530		1		01	48" to 96"
C032C YY0	5-14-02 1250	32EDC-530		1		01	48" to 96" FD

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
B/C	T. Hauser BEI	5/14/02	1645	SHIP TO LAB
T. Hauser / BEI	FEDEX	5-14-02	1900	SHIP TO LAB
		5-15-02	1000	

Comments/Instructions: Follow BNI SOW for Lab analysis. Call J. Jordan for questions.

Method of Shipment: Fed Exp
Airbill No.: 7904 1790 0395
Total No. of Containers: 10
Total No. of Coolers Shipped: 1
Lab use: Cooler Temp.:

C032CF02
C032CR06

T = 1.2
SDG - K2203131

MAY 15 2002 8:26AM HP LASERJET 3200

V-X

BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

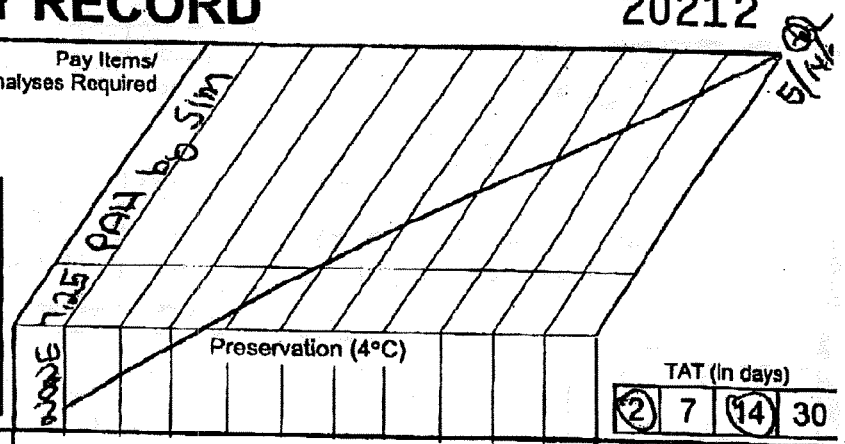
20212

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Prijina
Signature(s):

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4303 W. Swift, Fresno, CA 93722
Field Logbook/Page Number: FL-032-EDC5-02
pgs 29, 32

Pay Items/ Analyses Required



Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CV91	5-14-02 1025	32EDC-531	Soil	1		01	0 to 6"
C032CV92	5-14-02 1025	32EDC-531		1		01	6" to 24"
C032CV93	5-14-02 1040	32EDC-531		1		01	24" to 48"
C032CV94	5-14-02 1050	32EDC-531		1		01	48 to 96"
C032C930	5-14-02 1315	32EDC-540		1		01	0 to 6"
C032C931	5-14-02 1315	32EDC-540		1		01	6" to 24"
C032C932	5-14-02 1330	32EDC-540		1		01	24" to 48"
C032C933	5-14-02 1340	32EDC-540		1		01	48" to 96"
C032C934	5-14-02 1340	32EDC-540		1		01	48" to 96" FD

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hauser/BEI	5/14/02	1640	SHIP TO LAB
T. Hauser BEI	FEDEX	5-14-02	1900	SHIP TO LAB
		5-15-02	0945	

Comments/Instructions: Follow BN1/SOW for Lab analysis. Call J. Jordan for questions.

Method of Shipment: FedEx
Airbill No.: 790234174952
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Cooler Temp.:

C032CF02
C032CR06

T=1

506-38357

MAY 15 2002 8:25AM HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

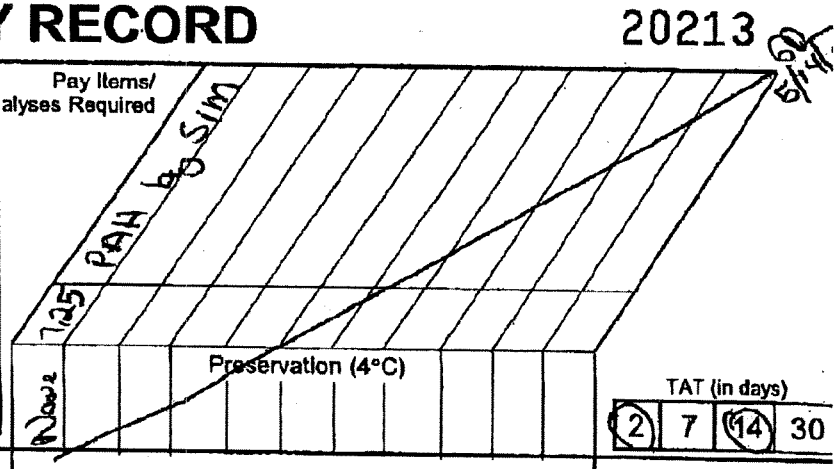
20213

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Prince
Signature(s):

Analytical Laboratory Name: STL West Sacramento
Analytical Laboratory Address: 5464 Riverside Pkwy, West Sacramento CA
Field Logbook/Page Number: EL-032-EDC5-02
pgs 30, 33

Pay Items/ Analyses Required



TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
* C032C935	5-14-02 1100	32 EDC-541	Soil	1		01	0 to 6"
* C032C936	5-14-02 1100	32 EDC-541		1		01	6" to 24"
* C032C937	5-14-02 1120	32 EDC-541		1		01	24" to 48"
* C032C938	5-14-02 1130	32 EDC-541		1		01	48" to 96"
* C032C926	5-14-02 1410	32 EDC-539		1		01	0 to 6"
* C032C927	5-14-02 1410	32 EDC-539		1		01	6" to 24"
* C032C928	5-14-02 1430	32 EDC-539		1		01	24" to 48"
* C032C929	5-14-02 1440	32 EDC-539		1		01	48" to 96"

5/14/02

5/14/02

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BL	T. Hauser/BEI	5/14/02	1645	SHIP TO LAB
T. Hauser BEI	FEDEX	5-14-02	1900	SHIP TO LAB
		5-15-02	1015	

Comments/Instructions: Follow BNI/SOW for Lab analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Exp
Airbill No.: 791833833221
Total No. of Containers: 8
Total No. of Coolers Shipped: 1
Lab Set ID:
Cooler Temp.:

C032CF02
C032CK06

T=4°C

SDG-G2E150192

MAY 15 2002 8:25AM HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20214

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Peters
Signature(s):

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 S. 13th Ave Kelso, WA 98626
Field Logbook/Page Number: EI-032-EDC5-02
pgs. 34

Pay Items/ Analyses Required

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CF02	5-14-02 1450	32EDC-529	Soil	1		01	0 to 6"
C032CF03	5-14-02 1450	32EDC-529		1		01	6" to 24"
C032CF04	5-14-02 1505	32EDC-529		1		01	24" to 48"
C032CF05	5-14-02 1510	32EDC-529		1		01	48" to 96"
C032CR06	5-14-02 1555	FQC	Water	2		01 02	Rinsate

TAT (in days): (2) 7 (14) 30

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hauser/BEI	5/14/02	1645	SHIP TO LAB
T. Hauser BEI	FEDEX	5-14-02	1900	SHIP TO LAB
		5-15-02	1000	

Comments/Instructions: Follow SAP/SOW for Lab analysis. Call J. Jordan for questions.

Method of Shipment: Fed Ex
Airbill No.: 7904 1790 0355
Total No. of Containers: 6
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp.:

C032CF02
C032CR06

T = 1.2

506 - K2205131

MAY 15 2002 8:25AM HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20151

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s):

Pay Items/ Analyses Required

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4203 WEST SWIFT FRESNO, CA 93722
Field Logbook/Page Number: FL-032-EDC5-01, pg 31, 34

Preservation (4°C): NONE | 7.25 PM-U.S.EPA 8270C-SIM | A

TAT (In days): (2) | 7 | (14) | 30

Sample ID No. (6 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C899	5-14-02/0954	32 EDC-533	SOIL	1		01	0-6"
C032C900	5-14-02/0956	32 EDC-533	SOIL	1		01	6"-24"
C032C901	5-14-02/0957	32 EDC-533	SOIL	1		01	6"-24" FD
C032C902	5-14-02/1002	32 EDC-533	SOIL	1		01	24"-48" MS/MSD
C032C903	5-14-02/1010	32 EDC-533	SOIL	1		01	48"-96"
C032C983	5-14-02/1311	32 EDC-552	SOIL	1		01	0-6"
C032C984	5-14-02/1314	32 EDC-552	SOIL	1		01	6-24"
C032C985	5-14-02/1321	32 EDC-552	SOIL	1		01	24-48"
C032C986	5-14-02/1319	32 EDC-552	SOIL	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-14-02	1900	SHIP TO LAB
		5-15-02	0945	

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS, CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7920 3417 4952
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp:

C032CF02
C032CR06

T = 1
SDG - 38357

MAY 15 2002 8:25AM HP LASERJET 3200

20149

CHAIN-OF-CUSTODY RECORD

CLEAN

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s):

Analytical Laboratory Name: COLUMBIA
Analytical Laboratory Address: 1317 SOUTH 13TH AVE KELSO, WA 98626
Field Logbook/Page Number: FL-032-EDC5-01, pg 30, 33

Pay Items/ Analyses Required

Preservation (4°C): NONE

PAH-U.S. EPA 8270C SIM

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
32EDC							0-6"
C032C895	5-14-02/0858	32 EDC-532	SOIL	1		01	6"-24" 0-6"
C032C896	5-14-02/0903	32 EDC-532	SOIL	1		01	6-24"
C032C897	5-14-02/0915	32 EDC-532	SOIL	1		01	24"-48"
C032C898	5-14-02/0923	32 EDC-532	SOIL	1		01	48-96"
C032C939	5-14-02/1237	32 EDC-542	SOIL	1		01	0-6"
C032C940	5-14-02/1240	32 EDC-542	SOIL	1		01	6-24" MS/MSD
C032C941	5-14-02/1246	32 EDC-542	SOIL	1		01	24-48"
C032C942	5-14-02/1253	32 EDC-542	SOIL	1		01	48-96"

Per Columbia (

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-14-02	1900	SHIP TO LAB
		5-15-02	1000	

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 790284176738
Total No. of Containers: 8
Total No. of Coolers Shipped: 1

C032CF02
C032CR06

T = -1.2
SDG - K2203131

MAY 15 2002 8:25AM HP LASERJET 3200

BECHTEL **CLEAN**

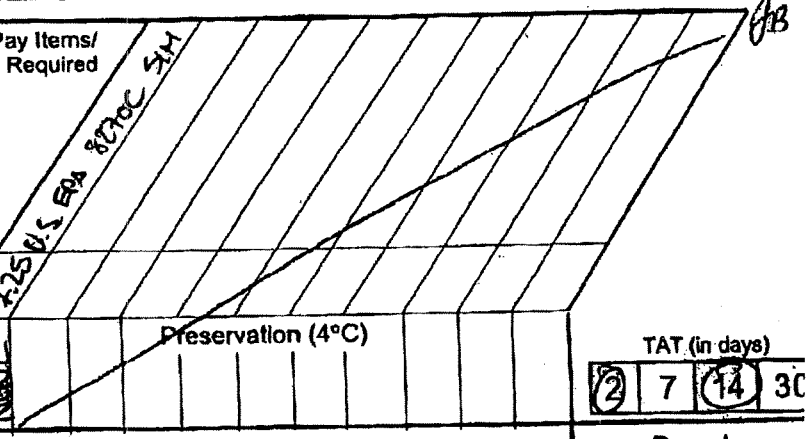
CHAIN-OF-CUSTODY RECORD

20150

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER, K. BACHER
Signature(s):

Pay Items/ Analyses Required



TAT (in days): (2) 7 (14) 30

Analytical Laboratory Name: STL WEST SACRAMENTO
Analytical Laboratory Address: 880 RIVERSIDE PKWY W. SACRAMENTO, CA 95605-1500
Field Logbook/Page Number: FL-032-EDC5-01, pg 32, 36

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C943	5-14-02/1046	32 EDC-543	SOIL	1		01	0-6"
C032C944	5-14-02/1050	32 EDC-543	SOIL	1		01	6-24"
C032C945	5-14-02/1051	32 EDC-543	SOIL	1		01	6-24" FD
C032C946	5-14-02/1056	32 EDC 543	SOIL	1		01	24-48"
C032C947	5-14-02/1101	32 EDC-543	SOIL	1		01	48-96"
C032C987	5-14-02/1345	32 EDC-553	SOIL	1		01	0-6"
C032C988	5-14-02/1350	32 EDC-553	SOIL	1		01	6-24"
C032C989	5-14-02/1352	32 EDC-553	SOIL	1		01	6-24" FD
C032C990	5-14-02/1354	32 EDC-553	SOIL	1		01	24-48"
C032C991	5-14-02/1400	32 EDC-553	SOIL	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-14-02	1900	SHIP TO LAB
		5-15-02	1015	

Comments/Instructions: FOLLOW BALL SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No: 818838833221
Total No. of Containers: 10
Total No. of Coolers Shipped: 1
Lab Use Only
Cooler Temp:

C032CR06
C032CF02

T=4°C
SDG - G2E150192

MAY 15 2002 8:24AM HP LASERJET 3200

V

20152

CHAIN-OF-CUSTODY RECORD

CLEAN

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s):

Analytical Laboratory Name: ~~COLUMBIA~~ KB STL West Sacramento
Analytical Laboratory Address: ~~1317 SOUTH 13th Ave KELSO, WA 98626~~
Field Logbook/Page Number: FL-032-EDC5-01, pg 37
880 Riverside Pkwy W. Sacramento, CA 95605-1500

Pay Items/ Analyses Required

Preservation (4°C): NONE; 7.25 U.S. EPA

TAT (In days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CA31	5-14-02/1456	32 EDC-563	SOIL	1		01	0-6"
C032CA32	5-14-02/1448	32 EDC-563	SOIL	1		01	6"-24"
C032CA33	5-14-02/1449	32 EDC-563	SOIL	1		01	6"-24" FD
C032CA34	5-14-02/1453	32 EDC-563	SOIL	1		01	24-48"
C032CA35	5-14-02/1459	32 EDC-563	SOIL	1		01	48"-96"
			WATER	2		02 2 KB	

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-14-02	1900	SHIP TO LAB
		5-15-02	1015	

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS CONTACT J.J W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 791838883221
Total No. of Containers: 5 (18)
Total No. of Coolers Shipped: 1
Lab Use Only: Cooler Temp.:

T = 4°C
SDG - G2E150192

C032CF02
C032CR06

MAY 15 2002 8:24AM HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20216

Site Name: EDC-5
CTO Number: 32
Site Contact/Supervisor: J. Jordan

Sampler(s): R Rudine
Signature(s):

Pay Items/ Analyses Required: 8270C SIM; 8270C PAH-U.S. EPA 1625

Analytical Laboratory Name: ~~Columbia STL~~ Columbia
Analytical Laboratory Address: 1317 S. 13th Ave Kelso, WA 98626
Field Logbook/Page Number: FL-032-EDC 5-02
~~95~~ 95 & 37

Preservation (4°C)

TAT (In days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C974	5-15-02 0950	32EDC-550	Soil	1		01	0 to 6"
C032C975	5-15-02 0950	32EDC-550		1		01	6" to 24"
C032C976	5-15-02 0915	32EDC-550		1		01	24" to 48" MS/MSD
C032C977	5-15-02 0915	32EDC-550		1		01	48" to 96"
C032C978	5-15-02 0915	32EDC-550		1		01	48" to 96" FD
C032C A18	5-16-02 1040	32EDC-560		1		01	0 to 6"
C032C A19	5-16-02 1040	32EDC-560		1		01	6" to 24"
C032C A20	5-16-02 1100	32EDC-560		1		01	24" to 48"
C032C A21	5-16-02 1110	32EDC-560		1		01	48" to 96"
C032C A22	5-16-02 1110	32EDC-560		1		01	48" to 96" FD

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hauser/BEI	5/16/02	1710	SHIP TO LAB
T. Hauser/BEI	FedEx	5-15-02	1730	SHIP TO LAB
		5-16-02	0900	

Comments/Instructions: Follow BNI SOW for Lab Analysis. Call J. Jordan w/questions.

Method of Shipment: FedEx
Airbill No.: 7920 3501 5707
Total No. of Containers: 10
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp:

C032CF02
C032CR08

T-
SDG-K2203176

HP LASERJET 3200
MAY 16 2002 8:39AM

V

CLEAN

CHAIN-OF-CUSTODY RECORD

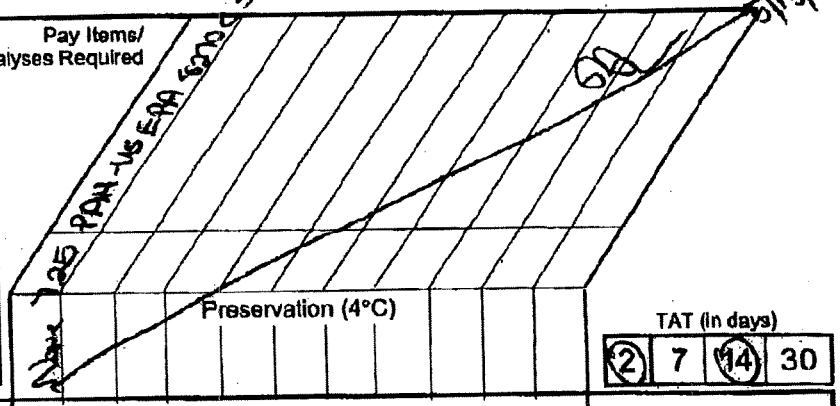
20220

Site Name: EDC -5
CTO Number: 032
Site Contact/Supervisor: S. Jordan

Sampler(s): R. Price
Signature(s):

Pay Items/ Analyses Required

Analytical Laboratory Name: STL West Sacramento
Analytical Laboratory Address: 880 Riverside Pkwy West Sacramento, CA
Field Logbook/Page Number: EL-032-EDC5-02
pgs 36, 38, 39



Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C970	5-15-02 0955	32EDC-549	Soil	1		01	0" to 6"
C032C971	5-15-02 0955	32EDC-549		1		01	6" to 24"
C032C972	5-15-02 1010	32EDC-549		1		01	24" to 44" MS/MSD
C032C973	5-15-02 1020	32EDC-549		1		01	44" to 96"
C032CA14	5-15-02 1130	32EDC-559		1		01	0 to 6"
C032C A15	5-15-02 1130	32EDC-559		1		01	6" to 24"
C032C A16	5-15-02 1140	32 EDC-559		1		01	24" to 44"
C032CA17	5-15-02 1145	32EDC-559		1		01	44" to 96"
C032CA79	5-15-02 1325	32EDC-573		1		01	48" to 96" MS/MSD

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hauser/BEI	5/15/02	1710	SHIP TO LAB
T. Hauser/BEI	FEDEX	5-15-02	1730	SHIP TO LAB
		5-16-02	1030	

Comments/Instructions: Follow BOI/SOW for Lab Analysis
Call J. Jordan w/ questions.

Method of Shipment: FEDEX
Airbill No.: 7918 3945 5460
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab Use
Cooler Temp.

C032CF02
C032CR08

T = 3°C
GZE160199

MAY 16 2002 8:39AM HP LASERJET 3200

CLEAN

CHAIN-OF-CUSTODY RECORD

20166

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: E Jordan SB

Sampler(s): R Pin
Signature(s):

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4209 Whitsett Fresno CA
Field Logbook/Page Number: FL-032-EDC5-02
SB 39

Pay Items/ Analyses Required: PAH-43 EPA 1625 Mod

Preservation (4°C)

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CAF5	5-15-02 1305	32EDC-573	Soil	1		01	0 to 6"
C032CAF1	1305	32EDC-573	↓	1		01	6" to 24" MS/MSD
C032CAF7	1305	32EDC-573		1		01	6" to 24" FD
C032CAF4	1310	32EDC-573		1		01	24" to 48"
							~~48" to 96"~~

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hauser/BEI	5/15/02	1710	SHIP TO LAB
T. Hauser/BEI	FEDEX	5-15-02	1730	SHIP TO LAB
		5-16-02	1000	

Comments/Instructions: Follow BNI/SOW for Lab Analysis. Call J. Jordan w/ questions.

Method of Shipment: FedEx
Airbill No.: 7920-3501-4788
Total No. of Containers: 4
Total No. of Coolers Shipped: 1

C032CF02
C032CR08

T=1

SDG-38369

CLEAN

CHAIN-OF-CUSTODY RECORD

20217

Site Name: EDC-5
CTO Number: 32
Site Contact/Supervisor: J. Jordan

Sampler(s): R Powers
Signature(s):

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 S. 13th Ave, Kelso, WA 98626
Field Logbook/Page Number: FL-032-EDC5-02
pgs. ~~39~~ 41

Pay Items/ Analyses Required

1,25 PAH-45 EPA 8270C PAH by SIM
2,25
None
Preservation (4°C)

TAT (In days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
~~C032C A75~~	~~5-15-02~~ 1305	32 EDC - 573	Soil	1		01	0 to 6"
~~C032C A76~~	~~5-15-02~~ 1305	32 EDC - 573		1			6" to 24"
~~C032C A77~~	5-16-02 1305	32 EDC - 573		1			1" to 24" MS/MSD
~~C032C A78~~	5-15-02 1310	32 EDC - 573		1		01	24" to 48"
~~C032C A79~~	5-15-02 1325	32 EDC - 573		1		01	48" to 96"
C032C A54	5-15-02 1435	32 EDC - 569	Soil	1		01	0" to 6"
C032C A59	5-15-02 1435	32 EDC - 569		1		01	6" to 24"
C032C A60	5-15-02 1445	32 EDC - 569		1		01	24" to 48" MS/MSD
C032C A61	5-15-02 1450	32 EDC - 569	↓	1		01	48" to 96"
C032CR08	5-15-02 1613	FBC	Water	2		02	Rinsate

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
~~SDL~~ EDC	T. Hauser / BEI	5/15/02	1710	SHIP TO LAB
T. Hauser / BEI	FEDEX	5-15-02	1730	SHIP TO LAB
		5-16-02	0900	

Comments/Instructions: Follow QAPP/SOW for Lab Analysis. Call J. Jordan w/ questions.

Method of Shipment:
Airbill No.: 790350157107
Total No. of Containers: 6
Total No. of Coolers Shipped:
Ice Present:
Cooler Temp.:

C032CF02
C032CR08

T = 0.8
SDG-K2203174

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MAY 16 2002 8:38AM HP LASERJET 3200

CLEAN

CHAIN-OF-CUSTODY RECORD

20219

Site Name: EDC - 5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Prima
Signature(s):

Analytical Laboratory Name: STL West Sacramento
Analytical Laboratory Address: 880 Riverside Pkwy West Sacramento CA
Field Logbook/Page Number: FL-032-EDC5-02
40

Pay Items/ Analyses Required: 625 PAH-4SA EPA; Preservation (4°C); None; 5/15/02

TAT (in days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CA62	5-15-02 1355	EDC - 570	Soil	1	5/15/02	01	0 to 6"
C032CA63	5-15-02 1765	32EDC - 570		1		01	6 to 24"
C032CA64	5-15-02 1480	32EDC - 570		1		01	24 to 48"
C032CA65	5-15-02 1410	32EDC - 570		1		01	48 to 96"
C032CA66	5-15-02 1410	32EDC - 570		1		01	48 to 96" FD
C032CA53	5-15-02 1525	32EDC - 568		1		01	0 to 6"
C032CA54	5-15-02 1525	32EDC - 568		1		01	6" to 24"
C032CA55	5-15-02 1525	32EDC - 568		1		01	24 to 48"
C032CA51	5-15-02	32EDC - 567		1		01	48" to 96"
C032CA52	5-15-02	32EDC - 567		1		01	48" to 96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BL	T. HAUSER / BEI	5/15/02	1710	SHIP TO LAB
T. HAUSER / BEI	FEDEX	5-15-02	1730	SHIP TO LAB
		5-16-02	1030	

Comments/Instructions: Follow BWI SOW for Lab Analysis. Call J. Jordan w/ questions.

Method of Shipment: FedEx
Airbill No.: 7918 3945 5460
Total No. of Containers: 5
Total No. of Coolers Shipped: 1
Lab Temp:
Cooler Temp:

C032CF02
C032CR08

T = 3°C

SDG - G2E160199

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20154

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s):

Analytical Laboratory Name: COLUMBIA
Analytical Laboratory Address: 1317 SOUTH 13TH AVE KELSO, WA 98626
Field Logbook/Page Number: FL-032-EDC5-01, pg 38, 41

Pay Items/ Analyses Required: 7.25 PAH-U.S. EPA 8270C SIM

Preservation (4°C): NONE

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C904	5-15-02/0834	EDC-534	SOIL	1		01	0-6"
C032C905	5-15-02/0840	EDC-534	SOIL	1		01	6-24"
C032C906	5-15-02/0844	EDC-534	SOIL	1		01	24-48"
C032C907	5-15-02/0851	EDC-534	SOIL	1		01	48-96"
C032CA23	5-15-02/1049	~~EDC-A23~~ EDC-561	SOIL	1		01	0-6"
C032CA24	5-15-02/1055	EDC-561	SOIL	1		01	6-24"
C032CA25	5-15-02/1102	EDC-561	SOIL	1		01	24-48"
~~C032CA26~~	~~5-15-02/~~						

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-15-02	1730	SHIP TO LAB
		5-16-02	0900	

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7980 3501 5707
Total No. of Containers: 7
Total No. of Coolers Shipped:
Lab SOG:
Cooler Temp:

C032CF02 T=
C032CR08 SDG-K2203176

MAY 16 2002 8:38AM HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20155

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s):

Analytical Laboratory Name: STL WEST SACRAMENTO
Analytical Laboratory Address: 880 RIVERSIDE PKWY WEST SACRAMENTO, CA 95605-1500
Field Logbook/Page Number: FL-032-EDC5-01, pg 39, 42

Pay Items/ Analyses Required: 7.2.5 U.S EPA 8270C SIM; K&B

Preservation (4°C): NONE

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C948	5-15-02/0915	EDC-544	SOIL	1		01	0-6"
C032C949	5-15-02/0919	EDC-544	SOIL	1		01	6-24"
C032C950	5-15-02/0927	EDC-544	SOIL	1		01	24-48"
C032C951	5-15-02/0933	EDC-544	SOIL	1		01	48-96"
C032C979	5-15-02/1215	EDC-551	SOIL	1		01	0-6"
C032C980	5-15-02/1248	EDC-551	SOIL	1		01	6-24"
C032C981	5-15-02/1252	EDC-551	SOIL	1		01	24-48"
C032C982	5-15-02/1300	EDC-551	SOIL	1		01	48-96"

K&B K&B K&B K&B

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER/BEI	FEDEX	5-15-02	1730	SHIP TO LAB
		5-16-02	1030	

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7901-1949-0532
Total No. of Containers: 8
Total No. of Coolers Shipped: 1
Cooler Temp.:

C032CF02
C032CR08

T=2
506-G2E160197

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20153

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s): T. H
K. Barnes

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4203 WEST SWIFT FRESNO, CA 93722
Field Logbook/Page Number: FL-032-EDC5-01, pg 40, 44

Pay Items/ Analyses Required: 7.25 PAH-U.S. EPA 8270C SV; KSB

Preservation (4°C): None

TAT (In days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CA80	5-15-02/1010	EDC-574	SOIL	1		01	0-6"
C032CA81	5-15-02/1016	EDC-574	SOIL	1		01	6-24"
C032CA82	5-15-02/1022	EDC-574	SOIL	1		01	24-48"
~~C032CA83~~	5-15-02/	EDC-574	SOIL	1	A	01	48-96"
C032CA71	5-15-02/1345	EDC-572	SOIL	1		01	0-6"
C032CA72	5-15-02/1348	EDC-572	SOIL	1		01	6-24"
C032CA73	5-15-02/1351	EDC-572	SOIL	1		01	24-48"
C032CA74	5-15-02/1400	EDC-572	SOIL	1		01	48-96"
		KSB					
						E&B	

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-15-02	1730	SHIP TO LAB
		5-16-02	1000	

Comments/Instructions: FOLLOW BNI SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7920-3501-4788
Total No. of Containers: 7
Total No. of Coolers Shipped: 1
Lab Signature
Cooler Temp.

C032CA02
C032CA08

T=1

SDG-38369

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20156

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s): T H
KBa

Analytical Laboratory Name: COLUMBIA
Analytical Laboratory Address: 1317 SOUTH 13TH AVE KELSO, WA 98626
Field Logbook/Page Number: FL-032-EDC 5-01, pg 43

Pay Items/ Analyses Required

Preservation (4°C): NONE

7.25 PAH - U.S. EPA 8270C SIM

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CA67	5-15-02 / 1420	EDC-571	SOIL	1		01	0-6"
C032CA68	5-15-02 / 1422	EDC-571	SOIL	1		01	6-24"
C032CA69	5-15-02 / 1428	EDC-571	SOIL	1		01	24-48"
C032CA70	5-15-02 / 1433	EDC-571	SOIL	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer	Comments/Instructions:
T. HAUSER / BEI	FEDEX	5-15-02	1730	SHIP TO LAB	FOLLOW BEI SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS
		5-16-02	0900		

Method of Shipment: FEDEX
Airbill No.: 790135015707
Total No. of Containers: 4
Total No. of Coolers Shipped:

C032CF02
C032CR08

T = 0.8

SDG - ~~K2203~~ K2203176

MAY 16 2002 8:38AM HP LASERJET 3200

65 *

CLEAN CHAIN-OF-CUSTODY RECORD

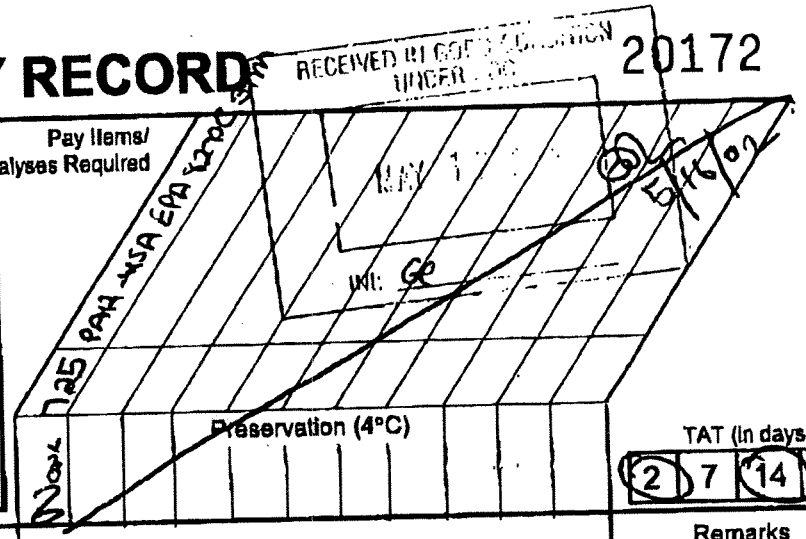
RECEIVED IN CONNECTION WITH UNDER ... 20172

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Pinto
Signature(s):

Analytical Laboratory Name: STL West Sacramento
Analytical Laboratory Address: 880 Riverside Pkwy West Sacramento CA
Field Logbook/Page Number: FL-032-EDC5-02
pg 43, 45

Pay Items/ Analyses Required



Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C996	5-16-02 0940	32EDC - 555	Soil	1		01	0 to 6"
C032C997	5-16-02 0945	32EDC - 555		1		01	6 to 24"
C032C998	5-16-02 0945	32EDC - 555		1		01	24" to 48"
C032C999	5-16-02 0950	32EDC - 555		1		01	48" to 96" MS
C032C000	5-16-02 0950	32EDC - 555		1		01	48 to 96" FD
C032C-921	5-16-02 1010	32EDC - 53Y		1		01	0 to 6"
C032C-922	5-16-02 1010	32EDC - 53Y		1		01	6" to 24"
C032C-923	5-16-02 1012	32EDC - 53Y		1		01	6" to 24" FD
C032C-924	5-16-02 1020	32EDC - 53Y		1		01	24" to 48"
C032C-925	5-16-02 1025	32EDC - 53Y		1		01	48" to 96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BIC	T. HAUSER / BEI	5-16-02	1600	SHIP TO LAB
T. HAUSER / BEI	FEDEX	5-16-02	1600	SHIP TO LAB
	STL	5-17-02	1055	

Comments/Instructions: Follow ONI SOW for lab analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Ex
Airbill No.: 790527271021
Total No. of Containers: 10
Total No. of Coolers Shipped: 1
Lab SDG: GZE170196
Cooler Temp.: 2°/3°

C032CF02
C032CR09

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MAY-17-2002 FRI 02:20 PM STL Sacramento FAX NO. 916 372 1168 P. 05

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20170

Site Name: EOC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Purvis
Signature(s):

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 S. 13th Ave. Kelso, WA 98621
Field Logbook/Page Number: FL-032-EOC5-02
944, 46

Pay Items/ Analyses Required

Preservation (4°C)

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C965	5-16-02 0925	32EOC-548	S:I	1		01	0 to 6"
C032C966	5-16-02 0925	32EOC-548		1		01	6" to 24"
C032C967	5-16-02 0925	32EOC-548		1		01	6" to 24" FD
C032C968	5-16-02 0935	32EOC-548		1		01	24" to 48"
C032C969	5-16-02 0940	32EOC-548		1		01	48" to 96"
C032CA49	5-16-02 1110	32EOC-567		1		01	0 to 6"
C032CA50	5-16-02 1110	32EOC-567		1		01	6" to 24"
C032CA51	5-16-02 1115	32EOC-567		1		01	24" to 48"
C032CA52	5-16-02 1120	32EOC-567		1		01	48" to 96"
						01	~~48" to 96"~~

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hauser/BEI	5-16-02	1600	Ship to Lab
T. Hauser/BEI	FedEx	5-16-02	1600	Ship to Lab
		5-17-02	0945	

Comments/Instructions: Follow DNI/SOW for Lab Analysis. Call J. Jordan with questions.

Method of Shipment: Fed Ex
Airbill No.: 791Y 4050 2429
Total No. of Containers: 9
Total No. of Coolers Shipped: 1

C032CFD2
C032CR09

T = 0.7

SDG - K2203212

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MAY 17 2002 8:37AM HP LASERJET 3200 P.13

CLEAN

CHAIN-OF-CUSTODY RECORD

20173

MAY 17 2002 8:34AM HP LASERJET 3200 P.2

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): B. Pierce
Signature(s): [signature]

Analytical Laboratory Name: STL West Sacramento
Analytical Laboratory Address: 880 Riverside Pkwy West Sacramento CA
Field Logbook/Page Number: FL-032-EDC5-02 pg 47, 49

Pay Items/Analyses Required: 7125 PAH-USA EPA 8270 SIM; Preservation (4°C): None

TAT (in days): 2 | 7 | 14 | 30 (2 and 14 circled)

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CB19	5-16-02 1245	32EDC-583	Soil	1		01	0 to 6"
C032CB20	5-16-02 1245	32EDC-583	↓	1		01	6" to 24"
C032CB21	5-16-02 1245	32EDC-583		1		01	6" to 24" FD
C032CB22	5-16-02 1255	32EDC-583		1		01	24" to 48"
C032CB23	5-16-02 1300	32EDC-583		1		01	48" to 96"
C032CB63	5-16-02 1400	32-EDC-593		1		01	0" to 6"
C032CB64	5-16-02 1400	32-EDC-593		1		01	6" to 24"
C032CB65	5-16-02 1400	32-EDC-593		1		01	6" to 24" FD
C032CB66	5-16-02 1405	32-EDC-593		1		01	24" to 48"
C032CB67	5-16-02 1410	32EDC-593	↓	1		01	48" to 96"

(Archive and container columns lined out, initialed 5/16/02)

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
[signature] BC	T. HAUSER/ REI	5/16/02	1600	SHIP TO LAB
T. HAUSER /REI	FEDEX	5-16-02	1600	SHIP TO LAB
		5-17-02	1055	

Comments/Instructions: Follow BNI/SOW for Lab Analysis. Call J. Jordan w/questions.

Method of Shipment: Fed Exp
Total No. of Coolers Shipped: 1
Airbill No.: 790527270271
Total No. of Containers: 10
Lab SDG:
Cooler Temp.:

C032CF02
C032CR09
T= 3
SDG - G2E170200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

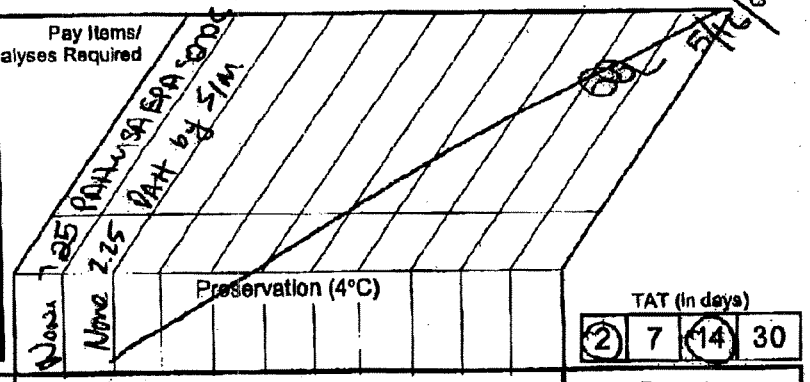
20171

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Primm
Signature(s):

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 S. 13th Ave. Kelso, Wa 98626
Field Logbook/Page Number: FL-032-EDC5-02
80 4Y,

Pay Items/ Analyses Required



Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CB15	5-16-02 1315	32 EDC-5R2	Soil	1		01	0 to 6"
C032CB16	5-16-02 1315	32 EDC-5R2		1		01	6" to 24"
C032CB17	5-16-02 1320	32 EDC-5R2		1		01	24" to 48"
C032CB18	5-16-02 1325	32 EDC-5R2		1		01	48" to 96"
C032CR09	5-16-02 1580	FQC	Water	2		01 02	RM Safe

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
B/C	T. Hauser / BEI	5-16-02	1600	SHIP TO LAB
T. Hauser / BEI	FedEx	5-16-02	1600	SHIP TO LAB
		5-17-02	0945	

Comments/Instructions: Follow SOW for Lab Analysis. Call J. Jordan w/ questions

Method of Shipment: FedEx
Airbill No.: 791Y4050 2429
Total No. of Containers:
Total No. of Coolers Shipped: 1
Lab Store:
Cooler Temp.:

C032CF02
C032CR09

T = 0.2
SDG-K2203212

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MAY 17 2002 8:38AM HP LASERJET 3200 P.14

CLEAN

CHAIN-OF-CUSTODY RECORD

20186

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s): T. Hauser
K. Barnes

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4203 WEST SWIFT FRESNO, CA 93722
Field Logbook/Page Number: FL-032-EDC5-01, pg 45; 48 A

Pay Items/ Analyses Required

Preservation (4°C)

NONE | 7.25 PAH's U.S. EPA 8270C SIM

TAT (in days): (2) 7 (4) 30

Sample ID No. (6 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CA27	5-16-02 / 0826	EDC-562	SOIL	1		01	0-6"
C032CA28	5-16-02 / 0828	EDC-562	SOIL	1		01	6-24"
C032CA29	5-16-02 / 0836	EDC-562	SOIL	1		01	24-48"
C032CA30	5-16-02 / 0849	EDC-562	SOIL	1		01	48-96"
C032CB33	5-16-02 / 1016	EDC-586	SOIL	1		B1	0-6"
C032CB34	5-16-02 / 1019	EDC-586	SOIL	1		01	6-24"
C032CB35	5-16-02 / 1025	EDC-586	SOIL	1		01	24-48"
C032CB36	5-16-02 / 1029	EDC-586	SOIL	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-16-02	1730	SHIP TO LAB
		5-17-02	0930	

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT T. JORDAN W/ QUESTION

Method of Shipment: FEDEX
Airbill No.: 7905-2730-7000
Total No. of Containers: 4 8 A
Total No. of Coolers Shipped: 1
Lab SRC:
Cooler Temp.:

C032CF02
C032CR09

T = 1
506 - 38382

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MAY 17 2002 8:35AM HP LASERJET 3200 P.8

CLEAN

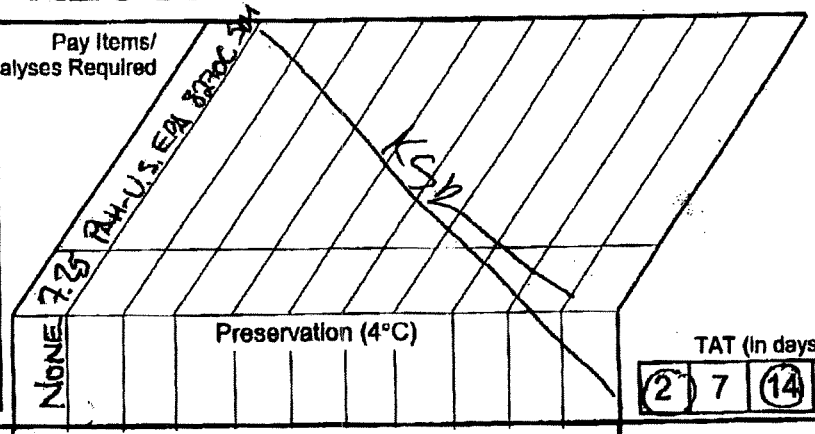
CHAIN-OF-CUSTODY RECORD

20157

Name: EDC-5
Number: 032
Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s): T-H
Kan Bar

Pay Items/ Analyses Required



TAT (In days): (2) 7 (14) 30

Analytical Laboratory Name: STL WEST SACRAMENTO
Analytical Laboratory Address: 880 RIVERSIDE PKWY WEST SACRAMENTO CA 95605-1500
Field Logbook/Page Number: FL-032-EDC5-01
Page 49; 46

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)	
032CB41	5-16-02/0910	EDC-588	SOIL	1		01	0-6"	
032CB42	5-16-02/0912	EDC-588	SOIL	1		01	6-24"	
032CB43	5-16-02/0914	EDC-588	SOIL	1		01	6-24"	FD
032CB44	5-16-02/0918	EDC-588	SOIL	1		01	24-48"	
032CB45	5-16-02/0922	EDC-588	SOIL	1		01	48-96"	
032CB28	5-16-02/1051	EDC-585	SOIL	1		01	0-6"	
032CB29	5-16-02/1056	EDC-585	SOIL	1		01	6-24"	
032CB30	5-16-02/1102	EDC-585	SOIL	1		01	24-48"	
032CB31	5-16-02/1107	EDC-585	SOIL	1		01	48-96"	
032CB32	5-16-02/1108	EDC-585	SOIL	1		01	48-96"	FD

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
HAUSER/BEI	FEDEX	5-16-02	1730	SHIP TO LAB
		5-17-02	1055	

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7920-3586-0388
Total No. of Containers: 10
Total No. of Coolers Shipped: 1
Lab Seal
Double Bagged

C032CF02
C032CR09

T=3°
SDG - G2E170207

MAY 17 2002 8:34AM HP LASERJET 3200

CLEAN

CHAIN-OF-CUSTODY RECORD

20187 ✓

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s): [signature] Kar Bar

Analytical Laboratory Name: COLUMBIA
Analytical Laboratory Address: 1317 SOUTH 13th AVE KELSO, WA 98626
Field Logbook/Page Number: FL-032-EDC5-01 Page 50, 47

Pay Items/ Analyses Required: 325 DAH - 8270C SIM
Preservation (4°C): None

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CB37	5-16-02/0945	EDC-587	SOIL	1		01	0-6"
C032CB38	5-16-02/0948	EDC-587	SOIL	1		01	6-24"
C032CB39	5-16-02/0953	EDC-587	SOIL	1		01	24-48"
C032CB40	5-16-02/0959	EDC-587	SOIL	1		01	48-96"
C032CB24	5-16-02/1259	EDC-584	SOIL	1		01	0-6"
C032CB25	5-16-02/1302	EDC-584	SOIL	1		01	6-24"
C032CB26	5-16-02/1307	EDC-584	SOIL	1		01	24-48"
C032CB27	5-16-02/1315	EDC-584	SOIL	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-16-02	1730	SHIP TO LAB
		5-17-02	0945	

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7918-4053-7011
Total No. of Containers: 8
Total No. of Coolers Shipped: 1
Lab COC:
Cooler Temp:

C032CF02
C032CR09

T = 1.9
SDG: K2203213

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BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20183

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s): T. H
Ka Ba

Analytical Laboratory Name: COLUMBIA ~~N~~ APPL
Analytical Laboratory Address: ~~1317 South 13th Ave N Kelso, WA 98626~~
Field Logbook/Page Number: FL-032-EDC5-01, pg 48 FRESNO, CA 93722

Pay Items/ Analyses Required

Preservation (4°C): NONE; 7.25 DAY 8270C SIM

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CB33	5-16-02 / 1016	EDC-586	SOIL	1		01	0-6"
C032CB34	5-16-02 / 1019	EDC-586	SOIL	1		01	6-24"
C032CB35	5-16-02 / 1025	EDC-586	SOIL	1		01	24-48"
C032CB36	5-16-02 / 1029	EDC-586	SOIL	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-16-02	1730	SHIP TO LAB
		5-17-02	0930	

Comments/Instructions: FOLLOW BNI SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7905-2730-7000
Total No. of Containers: 4
Total No. of Coolers Shipped: 1
Lab Seal:
Cooler Temp:

C032CF02
C032CR89

T = 1
SDG - 38382

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MAY 17 2002 8:35AM HP LASERJET 3200 P.7

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20185

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSEL / K. BARNES
Signature(s): T-H
Ka Ba

Analytical Laboratory Name: COLUMBIA
Analytical Laboratory Address: 1317 South 13th Ave Kelso, WA 98626
Field Logbook/Page Number: FL-032-EDC5-03
Page 21

Pay Items/ Analyses Required

Preservation (4°C)

TAT (in days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CB11	5-16-02 / 1359	EDC-581	Soil	1		01	0-6"
C032CB12	5-16-02 / 1353	EDC-581	Soil	1		01	6-24"
C032CB13	5-16-02 / 1359	EDC-581	Soil	1		01	24-48"
C032CB14	5-16-02 / 1405	EDC-581	Soil	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSEL / BEI	FEDEX	5-16-02	1730	SHIP TO LAB
		5-17-02	0945	

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT J. JORDAN W. QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7918-4053-7011
Total No. of Containers: 4
Total No. of Coolers Shipped: 1
Lab Signature
Courier Signature

C032CF02
C032CR09

T = 1.9
SDG - K2203212

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MAY 17 2002 8:36AM HP LASERJET 3200 P.9

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20188

Site Name: EDC 5
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HOUSER / K. BOLLES
Signature(s): T. Houser
Ka Bolles

Analytical Laboratory Name: STL WEST SACRAMENTO APPL
Analytical Laboratory Address: 880 RIVERSIDE PARKWAY WEST SACRAMENTO, CA 95605-1500
Field Logbook/Page Number: FL-032-EDC5-03 page 22

4203 W. SWIFT
FRESNO, CA 93722

Pay Items/ Analyses Required

Preservation (4°C)

TAT (In days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CB55	5-16-02 / 1431	EDC-591	SOIL	1		01	0-6"
C032CB56	5-16-02 / 1434	EDC-591	SOIL	1		01	6-24"
C032CB57	5-16-02 / 1439	EDC-591	SOIL	1		01	24-48"
C032CB58	5-16-02 / 1445	EDC-591	SOIL	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HOUSER / BEI	FEDEX	5-16-02	1730	SHIP TO LAB

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7905-2730-7000
Total No. of Containers: 4
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp.:

CØ32CFØ2
CØ32CRØ9

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MAY 17 2002 8:35AM HP LASERJET 3200 P.6

P.2

BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20225

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Plume
Signature(s): [signature]

Pay Items/ Analyses Required: 7.25 PAH - 8270C SIM

Analytical Laboratory Name: STL
Analytical Laboratory Address: 880 Riverside Pkwy, West Sacramento CA
Field Logbook/Page Number: FL-032-EDC5-04 pg 21, 23

Preservation (4°C)

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C7Y1	5-17-02 0855	32EDC-506	Soil	1		01	0 to 6"
C032C7Y2	5-17-02 0855	32EDC-506	↓	1		01	6" to 24"
C032C7Y3	5-17-02 0900	32EDC-506		1		01	24" to 48"
C032C7Y4	5-17-02 0905	32EDC-506		1		01	48" to 96"
C032C803	5-17-02 1015	32EDC-511		1		01	0 to 6"
C032C804	5-17-02 1015	32EDC-511		1		01	6" to 24"
C032C805	5-17-02 1020	32EDC-511		1		01	24" to 48"
C032C806	5-17-02 1025	32EDC-511	↓	1		01	48" to 96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
[signature] BC	T. HAUSER BEI	5/17/02	1630	Ship to lab
T. HAUSER BEI	FEDEX	5-17-02	1730	SHIP TO LAB
		5-18-02	0945	

Comments/Instructions: Follow BEI SOW for lab analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Ex

Airbill No.: 7927-2703-3740

Total No. of Coolers Shipped: 1

Total No. of Containers: 8

Lab Use: Cooler Temp.:

C032CF02
C032CR10

T=1
SDG

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MAY 20 2002 10:53AM HP LASERJET 3200

CLEAN

CHAIN-OF-CUSTODY RECORD

20204

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Printy
Signature(s):

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 S. 13th Ave, Kelso, WA
Field Logbook/Page Number: FL-032-EDC5-04
~~pg~~ 22, 25

Pay Items/ Analyses Required

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C776	5-17-02 0930	32EDC-505	Soil	1		01	0 to 6"
C032C777	5-17-02 0930	32EDC-505		1		01	6" to 24"
C032C778	5-17-02 0940	32EDC-505		1		01	24" to 48"
C032C779	5-17-02 0945	32EDC-505		1		01	48" to 96"
C032C780	5-17-02 0945	32EDC-505		1		01	48" to 96" FD
C032C809	5-17-02 1230	32EDC-517		1		01	0 to 6"
C032C850	5-17-02 1235	32EDC-517		1		01	6" to 24"
C032C851	5-17-02 1235	32EDC-519		1		01	24" to 48" See next page
C032C852	5-17-02 1240	32EDC-517		1		01	48" to 96"
C032CR100	5-17-02 1250	EQC	H_2O	2		01 02	Rinsate

TAT (in days): 2 | 7 | (14) | 30

MS/MSD per Columbia

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
R. Printy BC	T. Hauser/BEI	5/17/02	1630	Ship to Lab
T. Hauser BEI	FEDEX	5-17-02	1730	SHIP TO LAB
		5-18-02	0945	

Comments/Instructions: Follow BEI SOW for lab analysis. Call J. Jordan w/ questions.

Method of Shipment: FedEx
Airbill No.: 7904-2257-0632
Total No. of Containers: 8
Total No. of Coolers Shipped: 1
Lab Receipt Cooler Temp.:

5/17/02

C032CF02
C032CR10

T=0.5
SDG-K2203248

MAY 20 2002 10:55AM HP LASERJET 3200

20168

CHAIN-OF-CUSTODY RECORD

BECHTEL **CLEAN**

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Hun
Signature(s):

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4203 W. Swift Fresno CA
Field Logbook/Page Number: FL-032-EDC-04
~~pg~~ 24, 25

Pay Items/ Analyses Required: 8260 PAH-8270C SIM 5 Metals

Preservation (4°C)

TAT (in days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C Y07	5-17-02 1040	32 EDC - 512	Soil	1		01	0 to 6'
C032C Y08	5-17-02 1040	32 EDC - 512		1		01	6" to 24"
C032C Y09	5-17-02 1050	32 EDC - 512		1		01	24" to 48"
C032C Y10	5-17-02 1055	32 EDC - 512		1		01	48" to 96"
C032C Y33	5-17-02 1305	32 EDC - 51Y		1		01	0 to 6'
C032C Y34	5-17-02 1305	32 EDC - 518		1		01	6" to 24'
C032C Y35	5-17-02 1305	32 EDC - 518		1		01	6" to 24' FD
C032C Y36	5-17-02 1315	32 EDC - 51Y		1		01	24" to 48"
C032C Y37	5-17-02 1320	32 EDC - 518		1		01	48" to 96"
C032C Y31	5-17-02 1335	32 EDC - 517		1		01	24" to 48"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hauser BEI	5/17/02	1630	Ship to lab
T. Hauser BEI	FedEx	5-17-02	1730	SHIP TO LAB
		5-18-02	1130	

Comments/Instructions: Follow BEI SOW for lab analysis. Call J. Jordan w/ questions.

Method of Shipment: FedEx
Airbill No.: 7905-2814-1110
Total No. of Containers: 10
Total No. of Coolers Shipped: 1
Lab Sig.
Cooler Temp.

T = 4
SDG-38393

C032CF02
C032CR1B

BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20203

Site Name: EDC-5
CTO Number: 030
Site Contact/Supervisor: J. Jordan

Sampler(s): R Hinrichs
Signature(s):

Pay Items/ Analyses Required

Analytical Laboratory Name: STL
Analytical Laboratory Address: 880 Riverside Pkwy, West Sacramento CA
Field Logbook/Page Number: FL-032-EDC5-04
pg 27

Preservation (4°C)

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C Y55	5-17-02 1350	32EDC-523	Soil	1		01	0' to 6'
C032C Y56	5-17-02 1350	32EDC-523	SOIL	1		01	6" to 24"
C032C Y57	5-17-02 1350	32EDC-523	SOIL	1		01	6" to 24" FD
C032C Y58	5-17-02 1355	32EDC-523	SOIL	1		01	24" to 48"
C032C Y59	5-17-02 1400	32EDC-523	SOIL	1		01	48" to 96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hauser/ BEI	5/17/02	1630	Ship to Lab
T. Hauser BEI	FEDEX	5-17-02	1730	SHIP TO LAB
		5-18-02	0945	

Comments/Instructions: Follow BEI SOW for lab analysis. Call J Jordan w/ questions

Method of Shipment: Fed Ex
Airbill No.: 7927-2703-3740
Total No. of Containers: 5
Total No. of Coolers Shipped: 1
Lab Use Only: Cooler Temp.

T=1
SOG -

C032CF02
C032CR10

MAY 20 2002 10:54AM HP LASERJET 3200

CLEAN

CHAIN-OF-CUSTODY RECORD

20205

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Pierce/BEDL
Signature(s):

Pay Items/ Analyses Required

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 S. 13th Ave, Kelso, WA
Field Logbook/Page Number: FI-032-EDC5-04
pgs 27, 29

Preservation (4°C)

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CA99	5-20-02 0700	32EDC-571	Soil	1		01	0 to 6"
C032CA90	5-20-02 0900	32EDC-576		1		01	6" to 24"
C032CA91	5-20-02 0905	32EDC-576		1		01	24 to 48"
C032CA92	5-20-02 0910	32EDC-576		1		01	48 to 49"
C032CB41	5-20-02 0935	32EDC 579		1		01	0' to 6'
C032CB47	5-20-02 0930	32EDC-579		1		01	6" to 24"
C032CB48	5-20-02 0940	32EDC-579		1		01	24" to 48"
C032CB49	5-20-02 0950	32EDC-579		1		01	~~24" to 48"~~ 24" to 96"
							~~48" to 96"~~
5/20/02							

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hauser/BEI	5/20/02	1630	Ship to Lab
T. Hauser/BEI	FedEx	5-20-02	1800	SHIP TO COC

Comments/Instructions: Follow BEI SOW for Lab analysis. Call J. Jordan w/ questions

Method of Shipment: FedEx
Airbill No.: 7984 2411 7137
Total No. of Containers: 8
Total No. of Coolers Shipped: 1
Lab Shipped:
Cooler Temp.:

C032CF02
C032CR011

Blue to Rod

CLEAN

CHAIN-OF-CUSTODY RECORD

20603

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: S. Jordon

Sampler(s): Steve B. Gober
Signature(s):

Analytical Laboratory Name: STL
Analytical Laboratory Address: 880 Riverside Pkwy West Sacramento
Field Logbook/Page Number: FT-032-EDC5-04
~~SDG~~ 30, 32

Pay Items/ Analyses Required: Work | 7425 PAH - 8270C SIM | Preservation (4°C) | 5/20/02

TAT (in days): 2 | 7 | (14) | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CA44	5-20-02 1010	32EDC-575	Soil	1		01	0 to 6"
C032CA45	5-20-02 1010	32EDC-575		1		01	6" to 12"
C032CA46	5-20-02 1030	32EDC-575		1		01	12" to 24"
C032CA47	5-20-02 1035	32EDC-575		1		01	48" to 96"
C032CA48	5-20-02 1075	32EDC-575		1		01	44" to 96" FD
C032C919	5-20-02 1325	32EDC-521		1		01	0' to 6"
C032C920	5-20-02 1325	32EDC-521		1		01	6" to 24"
C032C911	5-20-02 1340	32EDC-526		1		01	24" to 48"
~~C032 912~~	~~5-20-02 1345~~	~~32EDC-521~~		1		01	~~48" to 96"~~
C032 912	5-20-02 1345	32EDC-526		1		01	48" to 96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
[signature] BEI	T. Hauser/BEI	5/20/02	1630	Ship to Lab
T. Hauser/BEI	FEDEX	5-20-02	1800	SHIP TO LAB
		5-21-02	0920	

Comments/Instructions: Follow BEI SOW For Lab Analysis. Call S. Jordon w/ questions

Method of Shipment: Fed Exp
Airbill No.: 790424115295
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp.:

C032CF02
C032CR011

T= 3

SDG - G2E210156

MAY 21 2002 8:41AM HP LASERJET 3200

BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

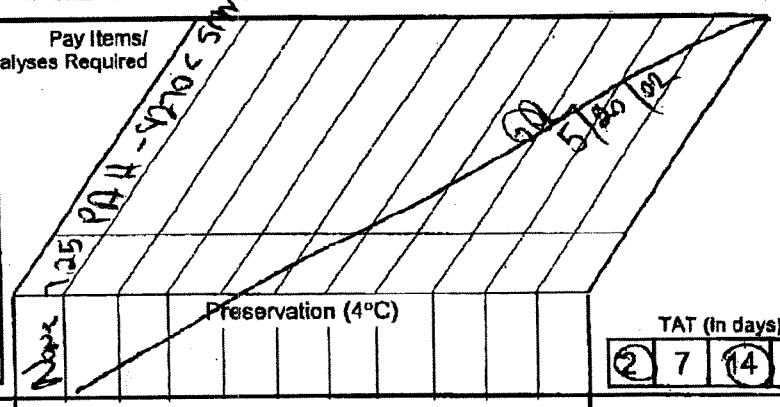
20602

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: T. Jordan

Sampler(s): B. Gruber
Signature(s):

Analytical Laboratory Name: ~~APPL~~ Columbia
Analytical Laboratory Address: 1317 S. 13th St, Kelso, WA
Field Logbook/Page Number: FI-032-EDC5-04
pgs 31, 33

Pay Items/ Analyses Required



TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C851	5-20-02 1300	32EDC-522	Soil	1		01	0 to 6"
C032C852	5-20-02 1300	32EDC-522		1		01	6 to 24"
C032C853	5-20-02 1305	32EDC-522		1		01	24 to 48"
C032C854	5-20-02 1310	32EDC-522		1		01	48" to 96"
C032C908	5-20-02 1415	32EDC-535		1		01	0 to 6"
C032C909 FD	5-20-02 1415	32EDC-535		1		01	6" to 24"
C032C910	5-20-02 1425	32EDC-535		1		01	24" to 48"
C032C911	5-20-02 1430	32EDC-535		1		01	48" to 96"
C032C912 FD	5-20-02 1430	32EDC-535		1		01	48" to 96" FD

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hauser/BEI	5/20/02	1630	Ship to Lab
T. Hauser/BEI	FedEx	5-20-02	1800	SHIP TO LAB
		5-21-2	0915	

Comments/Instructions: Follow BEI SOW for Lab Analysis. Call T. Jordan w/ questions.

Method of Shipment: FedEx
Airbill No.: 7904 2411 1738
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp.:

C032CF02
C032CR011

T= 1.2
SDG-K2203271

MAY 21 2002 8:35AM HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20189

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): JL Phipps
Signature(s):

Analytical Laboratory Name: Columbia Analytical
Analytical Laboratory Address: 1317 S 13th Ave, Kelso, WA
Field Logbook/Page Number: EL-032-EDC5-04
~~pgs~~ 34,

Pay Items/ Analyses Required

Preservation (4°C)

TAT (in days): 2 | 7 | 14 | 3

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C913	5-20-02 1500	32EDC-536	Soil	1		01	0 to 6"
C032C914	5-20-02 1500	32EDC-534		1		01	6" to 24"
C032C915	5-21-02 1505	32EDC-534		1		01	24" to 48"
C032C916	5-21-02 1510	32EDC-536		1		01	48" to 96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hauser/BEI	5/20/02	1630	Ship to lab
T. Hauser/BEI	FEDEX	5-20-02	1800	SHIP TO LAB
		5-21-02	0915	

Comments/Instructions: Follow BEI SOW for Lab Analysis
Call J. Jordan w/ questions.

Method of Shipment: Fed Ex
Airbill No.: 790424111738
Total No. of Containers: 4
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp.:

C032CR02
C032CR011

T = 1.2
SDG - K2203271

MAY 21 2002 8:36AM HP LASERJET 3200

Blue to Red

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20604

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordon

Sampler(s): R. Priddy
Signature(s):

Pay Items/ Analyses Required: 8260 PAH - 8270C SIM

Analytical Laboratory Name: STL
Analytical Laboratory Address: 880 Riverside Pkwy, West Sacramento CA
Field Logbook/Page Number: FL-032-EDC5-04
Q.35

Preservation (4°C): None

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CF73	5-20-02 1530	32EDC-527	Soil	1		01	0 to 6"
C032CF74	5-20-02 1590	32EDC-524		1		01	6" to 24"
C032CF75	5-20-02 1535	32EDC-527		1		01	24" to 48"
C032CF76	5-20-02 1540	32EDC-527		1		01	48" to 96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
	T. Hauser/BEI	5/20/02	1630	Ship to Lab
T. Hauser/BEI	FedEx	5-20-02	1800	SHIP to LAB
		5/21/02	0920	

Comments/Instructions: Follow BEI SOW for Lab Analysis. Call J. Jordon w/ questions.

Method of Shipment: FedEx
Airbill No.: 7904 2411 5295
Total No. of Containers: 4
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp:

C.
C032CF02
C032CR011

T=3
SDG-G2E210158

MAY 21 2002 8:41AM HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

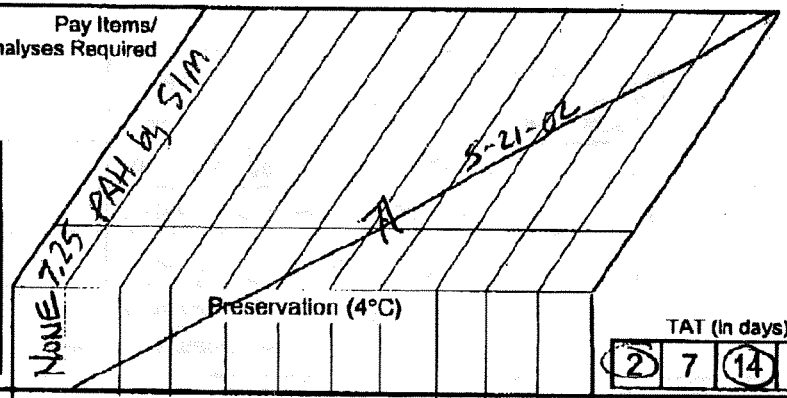
20622

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): B. GOBEL / T. HOUSEE
Signature(s):

Analytical Laboratory Name: STL
Analytical Laboratory Address: 880 Riverside Pkwy, West SACRAMENTO
Field Logbook/Page Number: FL-032-EDC5-04, pg 36, 39

Pay Items/ Analyses Required



TAT (In days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C992	5-21-02 / 0835	EDC-554	SOIL	1		01	0-6"
C032C993	5-21-02 / 0840	EDC-554	SOIL	1		01	6-24"
C032C994	5-21-02 / 0845	EDC-554	SOIL	1		01	24-48"
~~C032C995~~	~~5-21-02 / 0850~~	~~EDC-554~~	~~SOIL~~	~~1~~	~~N~~	~~01~~ 5-21-02	~~48-96"~~
C032C961	5-21-02 / 1020	EDC-547	SOIL	1		01	0-6"
C032C962	5-21-02 / 1025	EDC-547	SOIL	1		01	6-24"
C032C963	5-21-02 / 1050	EDC-547	SOIL	1		01	24-48"
C032C964	5-21-02 / 1055	EDC-547	SOIL	1		01	48-96"
				~~N~~	5-21-02		

SDG # COC 20621

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HOUSEE / BEI	FEDEX	5-21-02	1730	SHIP TO LAB
		5-22-02	0935	

Comments/Instructions: Follow BEI SOW for lab analysis. Call J. JORDAN w/ questions.

Method of Shipment: Fed Ex
Airbill No.: 7904-2578-4920
Total No. of Coolers Shipped: 1
Total No. of Containers: 7
Lab SDG:
Cooler Temp.:

C032CF02
C032CR12
C032CR13

T = 2
SDG-G2E220159

MAY 21 2002 6:59PM HP LASERJET 3200

CLEAN

CHAIN-OF-CUSTODY RECORD

20619

Site Name: EDC-5
TO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. Hauser / B. Gobe
Signature(s):

Pay Items/ Analyses Required

Analytical Laboratory Name: Columbia Analytical
Analytical Laboratory Address: 1317 S. 13th Ave Kelso, WA.
Field Logbook/Page Number: FL-032-EDC5-04, pg 37, 40

Preservation (4°C): None 7.25 | PAH by SIM | PB 5-21-02

TAT (In days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C 952	5-21-02/0935	EDC-545	SOIL	1		01	0-6"
C032C 953	5-21-02/0935	EDC-545	SOIL	1		01	6-24"
C032C 954	5-21-02/0940	EDC-545	SOIL	1		01	24-48"
C032C 955	5-21-02/0945	EDC-545	SOIL	1		01	48-96"
C032C 956	5-21-02/0945	EDC-545	SOIL	1		01	48-96" FD
C032C 917	5-21-02/1125	EDC-537	SOIL	1		01	0-6"
C032C 918	5-21-02/1125	EDC-537	SOIL	1		01	6-24"
C032C 919	5-21-02/1130	EDC-537	SOIL	1		01	24-48"
C032C 920	5-21-02/1135	EDC-537	SOIL	1		01	48-96"

PB 5-21-02

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. Hauser/BEI	FedEx	5-21-02	1730	SHIP TO LAB

Comments/Instructions: Follow BEI SOW for lab analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Ex.
Airbill No.: 7918-4365-6085
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab Name:
Cooler Temp:

C032CF02
C032CR12
C032CR13

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P.3

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

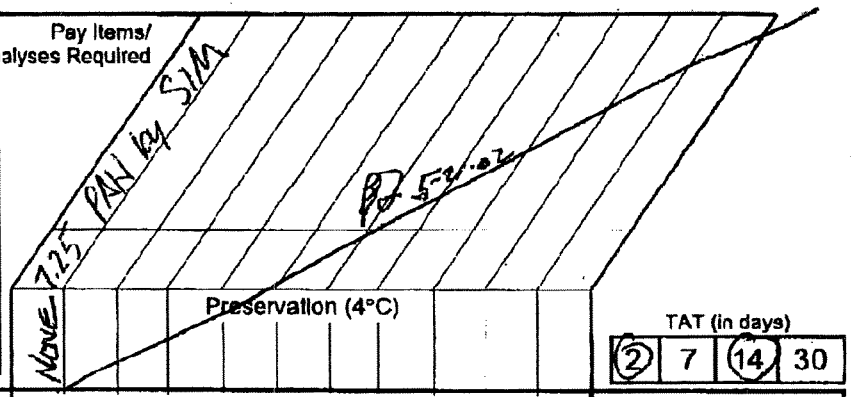
20621

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / B. GOBER
Signature(s):

Pay Items/ Analyses Required

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 9203 W. Swift. Fresno, CA. 93722
Field Logbook/Page Number: FL-032-EDC5-04, pg 38, 41



TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C957	5-21-02/1040	EDC-546	SOIL	1		01	0-6"
C032C958	5-21-02/1010	EDC-546	SOIL	1		01	6-24"
C032C959	5-21-02/1015	EDC-546	SOIL	1		01	24-48"
C032C960	5-21-02/1020	EDC-546	SOIL	1		01	48-96"
C032C877	5-21-02/1255	EDC-528	SOIL	1		01	0-6"
C032C878	5-21-02/1255	EDC-528	SOIL	1		01	6-24"
C032C879	5-21-02/1255	EDC-528	SOIL	1		01	6-24" FD
C032C880	5-21-02/1300	EDC-528	SOIL	1		01	24-48"
C032C881	5-21-02/1305	EDC-528	SOIL	1		01	48-96"
C032C995	5-21-02/0850	EDC-554	SOIL	1		01	48-96

P 5-21-02

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER/BEI	FEDEX	5-21-02	1730	SHIP TO LAB
		5/22/2	0930	

Comments/Instructions: Follow BEI SOW for lab analysis
Call J. Jordan w/questions

Method of Shipment: FedEx
Airbill No.: 7904-2578-0903
Total No. of Coolers Shipped: 1
Total No. of Containers: 10
Lab Signature:
Cooler Temp.:

C032CF02
C032CR12
C032CR13

T = 1
SDG- 38422

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MAY 21 2002 6:58PM HP LASERJET 3200

CLEAN

CHAIN-OF-CUSTODY RECORD

20605

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / B. JOSEF
Signature(s):

Analytical Laboratory Name: STL
Analytical Laboratory Address: 880 RIVERSIDE PKWY, WEST SACRAMENTO
Field Logbook/Page Number: FL-032-EDC5-04, Pg 42

Pay Items/ Analyses Required

Preservation (4°C): NONE

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C860	5-21-02 / 1325	EDC-524	SOIL	1		01	0-6"
C032C861	5-21-02 / 1325	EDC-524	SOIL	1		01	6-24"
C032C862	5-21-02 / 1330	EDC-524	SOIL	1		01	24-48"
C032C863	5-21-02 / 1335	EDC-524	SOIL	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-21-02	1730	SHIP TO LAB

Comments/Instructions: FOLLOW BNI SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7904-2578-4920
Total No. of Coolers Shipped: 1
Total No. of Containers: 4
Lab Seal:
Cooler Temp.:

C032CF02
C032CR12
C032CR13

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MAY 21 2002 6:59PM HP LASERJET 3200 P.13

BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20606

Site Name: EDC-5
COC Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Kruse / B. Gober
Signature(s):

Pay Items/ Analyses Required

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 S. 13th Ave, Kelso, WA
Field Logbook/Page Number: FL-032-EDC-5-04
pgs 44, 46

Preservation (4°C)

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C A36	5-20-02 0930	32 EDC-564	Soil	1		01	0 to 6"
C032C A37	5-20-02 0930	32 EDC-564		1		01	6" to 24"
C032C A38	5-22-02 0925	32 EDC-564		1		01	24" to 41"
C032C A39	5-22-02 0930	32 EDC-564		1		01	41" to 96"
C032C A97	5-22-02 1110	32 EDC-578		1		01	0 to 6"
C032C A98	5-22-02 1110	32 EDC 578		1		01	6" to 24"
C032C A99	5-22-02 1110	32 EDC 578		1		01	6" to 24" FD
C032C B00	5-22-02 1115	32 EDC 578		1		01	24" to 48"
C032C B01	5-22-02 1120	32 EDC 578		1		01	41" to 96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hauer	5/22/02	1600	Ship to Lab
T. Hauer BEI	Fed Exp	5/22/02	1730	Ship to Lab

Comments/Instructions: Follow BEI SOW for Lab Analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Exp
Airbill No.: 7904 2145 8490
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab Seal:
Cooler Temp.:

C032CF02
C032CR15
C032CR164 stet
C032CR14

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MAY 22 2002 6:52PM HP LASERJET 3200 P.9

CLEAN

CHAIN-OF-CUSTODY RECORD

20627

e Name: EDC-5
'O Number: 032
e Contact/Supervisor: J. Jordan

Sampler(s): R. Parrish / B. Gober
Signature(s):

Pay Items/ Analyses Required

7.25 PAH by SIM

Preservation (4°C)

TAT (in days): 2 | 7 | (14) | 30

ıalytical Laboratory Name: S.T.L
ıalytical Laboratory Address: 880 Riverside Pkwy W. Sacramento CA
eld Logbook/Page Number: FL-032-EDC-5-04
Pgs. 45, 47

ample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
32C A45	5-22-02 1045	32EDC-56	Soil	1		01	0 to 6"
32C A46	5-22-02 1040	32EDC-56		1		01	6" to 24"
032C A47	5-22-02 1050	32EDC-56		1		01	24" to 48"
032C A48	5-22-02 1055	32EDC-56		1		01	48" to 96"
32C A93	5-22-02 1150	32EDC 577		1		01	0 to 6"
032C A94	5-22-02 1150	32EDC 577		1		01	6" to 24
032C A95	5-22-02 1155	32EDC 577		1		01	24 to 47
032C A91	5-22-02 1200	32EDC 577		1		01	47 to 91

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hamer	5/22/02	1600	Ship to Lab
T. Hamer BEI	Fed Ex	5/22/02	1730	Ship to Lab

Comments/Instructions: Follow BEI SOW for Lab Analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Ex
Airbill No.: 791744841574
Total No. of Containers: 8
Total No. of Coolers Shipped: 1
Lab Temp:
Cooler Temp:

5/22/02

C032CF02
C032CR15
C032CR16 4st
C032CR14

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MAY 22 2002 6:51PM HP LASERJET 3200 P.6

CLEA

CHAIN-OF-CUSTODY RECORD

20630

Site Name: EOC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R Purvis / B Gober
Signature(s):

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 S 13th Ave., Kelso, WA
Field Logbook/Page Number: FL-032-EDC-5-04
99 4Y, 50

Pay Items/ Analyses Required

Preservation (4°C)

TAT (In days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CA40	5-22-02 1310	32EDC-565	Soil	1		01	0 to 6"
C032CA41	1310	32EDC 565		1		01	6" to 24"
C032CA42	1315	32EDC 565		1		01	24" to 4Y"
C032CA43	1320	32EDC 565		1		01	4Y" to 9L"
C032CA44	1320	32EDC 565		1		01	4Y" to 96" FD
C032CA05	1435	32EDC-557		1		01	0 to 6
C032CA01	1435	32EDC-557		1		01	6 to 24
C032CA07	1440	32EDC-557		1		01	24 to 48
C032CA08	1450	32EDC-557	↓	1		01	48 to 96

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hamer	5/22/02	1600	Ship to Lab
T. Hamer BEI	Fed Exp	5/22/02	1730	Ship to Lab

Comments/Instructions: Follow BEI SOW for Lab Analysis
Call J. Jordan w/ questions.

Method of Shipment: Fed Exp
Airbill No.: 7904 2745 4410
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab Use: Cooler Temp.:

C032CF02
C032CR15
C032CR16 4 sheets
C032CN14

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MAY 22 2002 6:52PM HP LASERJET 3200 P.10

CLEAN

CHAIN-OF-CUSTODY RECORD

20628

Site Name: EDC-5
PO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Hauser / B. Cook
Signature(s):

Analytical Laboratory Name: S.T.L.
Analytical Laboratory Address: 880 Riverside Pkwy W. Sacramento CA
Field Logbook/Page Number: FL-032-EDC-5-04
49

Pay Items/ Analyses Required: 7.25 PAH + SIM; Preservation (4°C); 5/22/02

TAT (In days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
032C A01	5-22-02 1355	32EDC-556	Soil	1	5/22/02	01	0 to 6"
032C A02	5-22-02 1355	32EDC-556	↓	1		01	6" to 24"
032C A03	5-22-02 1400	32EDC-556		1		01	24" to 48"
032C A04	5-22-02 1405	32EDC-556		1		01	48" to 96"

5/22/02

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hauser	5/22/02	1600	Ship to Lab
T. Hauser BEI	Fed Exp	5/22/02	1730	Ship to Lab

Comments/Instructions: Follow BEI SOW for Lab Analysis. Call J. Jordan w/ question.

Method of Shipment: Fed Exp
Airbill No.: 448 448 1574
Total No. of Containers: 4
Total No. of Coolers Shipped: 1
Lab Storage:
Cooler Temp.:

C032CF02
C032CR15
C032CR16 4/5

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MAY 22 2002 6:51PM HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20651

Site Name: EOC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R Pinder B Gober
Signature(s):

Pay Items/ Analyses Required: 8260 / 625 PAH by SIM / GRO / 5/23/02

Analytical Laboratory Name: S.T.L.
Analytical Laboratory Address: 880 Riverside Pkwy W Sacramento CA
Field Logbook/Page Number: FL-032-EDC5-05
pgs. 21,24

Preservation (4°C): None

TAT (In days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CB02	5-23-02 0925	32EDC-579	Soil	1		01	0 to 6"
C032CB03	5-23-02 0935	32EDC-579		1		01	6" to 24"
C032CB04	5-23-02 0930	32EDC-579		1		01	24" to 48"
C032CB05	5-23-02 0935	32EDC-579		1		01	48" to 96"
C032CB94	5-23-02 1045	32EDC-5100		1		01	0 to 6"
C032CB95	5-23-02 1045	32EDC-5100		1		01	6" to 24"
C032CB96	5-23-02 1030	32EDC-5100		1		01	24" to 48"
C032CB97	5-23-02 1035	32EDC-5100		1		01	48" to 96"
C032CB98	5-23-02 1035	32EDC-5100		1		01	FD @ 0-6"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hawse BEI	5/23/02	1600	Ship to lab
T. Hawse BEI	FedEx	5/23/02	1730	Ship to lab

Comments/Instructions: Follow BEI SOW for Lab analysis. Call J. Jordan w/ questions.

Method of Shipment: FedEx
Airbill No.: 791Y4598 8574
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab Signature:
Cooler Temp.:

C032CF02
C032CR17

DEGHTEF **CLEAN**

CHAIN-OF-CUSTODY RECORD

20648

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): B. Austin | B. Baker
Signature(s):

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 S 13th Ave, Kelso, WA
Field Logbook/Page Number: FL-032-EDC5-05
Pgs. 22, 25

Pay Items/ Analyses Required

Preservation (4°C)

TAT (in days): 2 | 7 | (14) | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CB06	5-23-02 0910	32EDC-580	Soil	1		01	0 to 6"
C032CB07	5-23-02 0910	32EDC-580		1		01	6" to 24"
C032CB08	5-23-02 0915	32EDC-580		1		01	24" to 48"
C032CB09	5-23-02 0920	32EDC-580		1		01	48" to 96" FD
C032CB10	5-23-02 0930	32EDC-580		1		01	0 to 6"
C032CC38	5-23-02 1105	32EDC-5110		1		01	6" to 24"
C032CC39	5-23-02 1105	32EDC-5110		1		01	24" to 48"
C032CC40	5-23-02 1110	32EDC-5110		1		01	48" to 96"
C032CC41	5-23-02 1120	32EDC-5110		1		01	48" to 96" FD
C032CC42	5-23-02 1130	32EDC-5110		1		01	

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hawes	5-23-02	1600	Ship to Lab
T. Hawes	Fed Exp	5-23-02	1730	Ship to Lab

Comments/Instructions: Follow BEI SOW for lab analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Exp
Airbill No.: 7911 9035 0096
Total No. of Containers: 10
Total No. of Coolers Shipped: 1
Lab Seal:
Cooler Temp.:

C032CF02
C032CR17

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20629

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): J. Jordan, Byron Gober
Signature(s):

Pay Items/ Analyses Required: PAH by SIM, PAH by SIM, 5/23/02

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4203 W. Swift, Fresno, CA
Field Logbook/Page Number: FI-032-EDC5-05
pgs 23, 24

Preservation (4°C): None, None

TAT (in days): 2 | 7 | (14) | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CB50	5-23-02 0945	32 EDC-590	Soil	1		01	0 to 6"
C032CB51	5-23-02 0945	32 EDC-590		1		01	6 to 24"
C032CB52	5-23-02 0950	32 EDC-590		1		01	24 to 48"
C032CB53	5-23-02 0955	32 EDC-590		1		01	48" to 96"
C032CB54	5-23-02 0955	32 EDC-590		1		01	48" to 96" FD
C032CB99	5-23-02 1045	32 EDC-5101		1		01	0 to 6"
C032CB00	5-23-02 1045	32 EDC-5101		1		01	6" to 24"
C032CC01	5-23-02 1050	32 EDC-5101		1		01	24" to 48"
C032CC02	5-23-02 1055	32 EDC-5101		1		01	48" to 96"
C032CR17	5-23-02 1530	FQC	H2O	2		01, 02	Rinsate

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hawes	5/23/02	1600	Ship to Lab
T. Hawes BEI	Fed Exp	5/23/02	1730	Ship to Lab

Comments/Instructions: Follow BEI SOW for Lab Analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Exp
Airbill No.: 7920 4012 0101
Total No. of Containers: 11
Total No. of Coolers Shipped: 1
Lab Seal(s):
Cooler Temp.:

C032CF02
C032CR17

20649

CHAIN-OF-CUSTODY RECORD

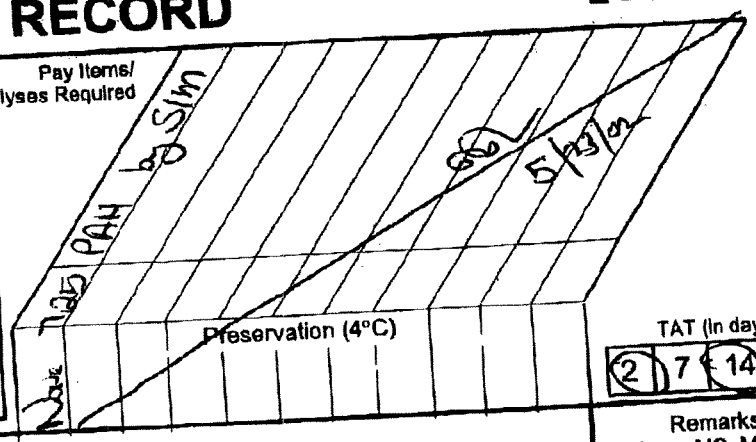
CLEAN

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Wisen, B. Colar
Signature(s):

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 S. 13th Ave., Kelso WA
Field Logbook/Page Number: CL-032-EDC5-05
pgs 27

Pay Items/ Analyses Required



TAT (in days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CA54	5-23-02 1320	32EDC-56Y	Soil	1	5/23/02	01	0 to 6"
C032CA55	5-23-02 1330	32EDC-66Y		1		01	6" to 24"
C032CA56	5-23-02 1325	32EDC-56Y		1		01	24" to 48"
C032CA57	5-23-02 1330	32EDC-56Y		1		01	48" to 96"

5/24/02

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hawor BEI	5/23/02	1600	Ship to Lab
T. Hawor BEI	Fed Exp	5/23/02	1730	Ship to Lab

Comments/Instructions: Follow BEI SOW for lab analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Exp
Airbill No.: 791190350096
Total No. of Containers: 4
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp.:

C032CF02
C032CR17

MAY 24 2002 8:46AM HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20650

Site Name: EOC-5
CTO Number: 032
Site Contact/Supervisor: S Jordan

Sampler(s): R Pelvin | B Gober
Signature(s):

Pay Items/ Analyses Required

Analytical Laboratory Name: STL
Analytical Laboratory Address: 880 Riverside Pkwy W. Sacramento CA
Field Logbook/Page Number: FL-032-EOC 5-05
pg. 28

Preservation (4°C)

TAT (in days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C A09	5-23-02 1410	32 EOC - 55Y	Soil	1		01	0 to 6"
C032C A10	5-23-02 1410	32 EOC - 55Y		1		01	6" to 24"
C032C A11	5-23-02 1410	32 EOC - 55Y		1		01	6" to 24" FD
C032C A12	5-23-02 1415	32 EOC - 55Y		1		01	24" to 48"
C032C A13	5-23-02 1425	32 EOC - 55Y		1		01	48" to 91"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hawes BEI	5/23/02	1600	Ship to lab.
T. Hawes BEI	Fed Exp	5/23/02	1730	Ship to lab.

Comments/Instructions:
Follow BEI SOW for lab analysis.
Call J. Jordan w/ questions

Method of Shipment: Fed Exp
Airbill No.: 791459985574
Total No. of Containers: 5
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp.:

C032CF02
C032CR17

CLEAN

CHAIN-OF-CUSTODY RECORD

20676

Site Name: EDC - 5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): L Powers / B Baker
Signature(s):

Pay Items/ Analyses Required

Analytical Laboratory Name: S.T.L.
Analytical Laboratory Address: 880 Riverside Pkwy West Sacramento, CA
Field Logbook/Page Number: EL 032 EDC5-05
~~pg~~ 29, 32

Preservation (4°C)

TAT (In days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CF02	5-24-02 0940	32EDC-5120	Soil	1		01	0 to 6"
C032CC83	5-24-02 0940	32EDC-5120		1		01	6 to 12"
C032CC84	5-24-02 0945	32EDC-5120		1		01	12" to 24"
C032CC85	5-24-02 0950	32EDC-5120		1		01	48" to 96"
C032CC86	5-24-02 0950	32EDC-5120		1		01	48" to 96" FD
C032CD31	5-24-02 1110	32EDC-5131		1		01	0 to 6'
C032CD32	5-24-02 1110	32EDC-5131		1		01	6" to 24"
C032CD33	5-24-02 1115	32EDC-5131		1		01	24" to 48"
C032CD34	5-24-02 1120	32EDC-5131		1		01	48" to 96"

EB-1

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Hamer	5-24-02	1530	Ship to Lab
T. Hamer BEI	Fed Exp	5-24-02	1730	Ship to Lab

Comments/Instructions: Follow BEI SOW for lab analyses. Call J. Jordan w/ questions.

Method of Shipment: Fed Exp.
Airbill No.: 7918-4699-1350
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab Spec.
Cooler Temp.:

C032CF02
C032CR18

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MAY 28 2002 9:21AM HP LASERJET 3200 P.12

BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20674

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): L Preece / B Gober
Signature(s):

Pay Items/ Analyses Required

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 S. 13th Ave Kelso, WA
Field Logbook/Page Number: FL 032 EDC5-05
pgs. 30, 33

Preservation (4°C)

TAT (In days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CC78	5-24-02 0930	32EDC-5119	Soil	1		01	0 to 6"
C032CC79	5-24-02 0930	32EDC-5119		1		01	6" to 24"
C032CC80	5-24-02 0935	32EDC-5119		1		01	24" to 48"
C032CC81	5-24-02 0940	32EDC-5119		1		01	48" to 96"
C032CD17	5-24-02 1150	32EDC-512X		1		01	0 to 6"
C032CD18	5-24-02 1250	32EDC-512X		1		01	6" to 24"
C032CD19	5-24-02 1250	32EDC-512X		1		01	6" to 24" F
C032CD20	5-24-02 1255	32EDC-512X		1		01	24" to 48"
C032CD21	5-24-02 1300	32EDC-512X		1		01	48" to 96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Howe	5/24/02	1530	Ship to Lab
T Howe BEI	Fed Exp	5/24/02	1730	Ship to Lab

Comments/Instructions: Follow BEI SOW for lab analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Exp
Airbill No.: 7920-4093-1030
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab Seal:
Cooler Temp:

C032CF02
C032CR18

CLEAN

CHAIN-OF-CUSTODY RECORD

20632

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): A. Howe / B. Gober
Signature(s):

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 1203 West Sixth Street, CA
Field Logbook/Page Number: EL 032 EDC5 -05
pg 31, 34

Pay Items/ Analyses Required

Preservation (4°C)

TAT (in days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CD26	5-24-02 1030	32EDC-5130	Soil	1		01	0 to 6'
C032CD27	5-24-02 1030	32EDC-5130		1		01	6" to 24"
C032CD28	5-24-02 1035	32EDC-5130		1		01	24" to 48"
C032CD29	5-24-02 1040	32EDC-5130		1		01	48" to 96"
C032CD30	5-24-02 1040	32EDC-5130		1		01	48" to 96" FD
C032CD22	5-24-02 1330	32EDC-5129		1		01	0 to 6"
C032CD23	5-24-02 1330	32EDC-5129		1		01	6" to 24"
C032CD24	5-24-02 1335	32EDC-5129		1		01	24" to 48"
C032CD25	5-24-02 1345	32EDC-5129		1		01	48" to 96"
C032CR18	5-24-02 1550	FBC	Water	2		01 01	RINSATE

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
B. Gober BC	T. Hauser BEI	5/24/02	1530	Ship to Lab
T. Hauser BEI	FedEx	5/24/02	1730	Ship to lab

Comments/Instructions: Follow BEI SOW for Lab Analysis. Call J. Jordan w/ questions.

Method of Shipment: FedEx
Airbill No.: 791847016194
Total No. of Containers: 9 / 11
Total No. of Coolers Shipped: 1
Lab Use Only
Cooler Temp:

C032CF02
C032CR18

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CLEAN

CHAIN-OF-CUSTODY RECORD

20677

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Howe / B. Gaber
Signature(s):

Analytical Laboratory Name: STL
Analytical Laboratory Address: 880 Riverside Pkwy West Sacramento CA
Field Logbook/Page Number: F1 032 EDC5-05
35

Pay Items/ Analyses Required

Preservation (4°C)

TAT (in days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CC87	5-24-02 1420	32EDC-5121	Soil	1		01	0 to 6'
C032CC88	5-24-02 1420	32EDC-5121		1		01	6 to 24
C032CC89	5-24-02 1426	32EDC-5121		1		01	24" to 48'
C032CC90	5-24-02 1430	32EDC-5121	↓	1		01	48" to 96'

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	T. Howe BEI	5/24/02	1530	Ship to Lab
T. Howe BEI	Fed Exp	5/24/02	1730	Ship to Lab

Comments/Instructions: Follow BEI SOW for lab analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Exp
Airbill No.: 7918-4699-1350
Total No. of Containers: 4
Total No. of Coolers Shipped: 1
Lab Rec'd
Cooler Temp.

C032CF02
C032CR18

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MAY 28 2002 9:21AM HP LASERJET 3200 P.11

20610

CHAIN-OF-CUSTODY RECORD

CLEAN

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): J. Jordan
Signature(s):

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 S. 13th Ave. Kelso, WA
Field Logbook/Page Number: EL-032-EDC5-05
@ 36, 41

Pay Items/ Analyses Required

Preservation (4°C)

TAT (in days): 2 | 7 | (14) | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CB68	5-24-02 0935	32EDC-594	Soil	1		01	0 to 6"
C032CB69	5-24-02 0935	32EDC-594		1		01	6 to 24"
C032CB70	5-24-02 0945	32EDC-594		1		01	24" to 48"
C032CB71	5-24-02 0950	32EDC-594		1		01	48" to 96"
C032CC95	5-24-02 1355	32EDC-5123		1		01	0 to 6"
C032CC96	5-24-02 1355	32EDC-5123		1		01	6 to 24"
C032CC97	5-24-02 1355	32EDC-5123		1		01	24" to 48" FD
C032CC98	5-24-02 1400	32EDC-5123		1		01	48" to 96"
C032CC99	5-24-02 1410	32EDC-5123		1		01	48" to 96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	S. Quade/Kleinfelder	5/24/02	1700	Ship to Lab
S. Quade/Kleinfelder	FedEx	5/24/02	1800	Ship to Lab

Comments/Instructions:
Follow BLE SOW for lab analysis.
Call J. Jordan w/ questions

Method of Shipment: FedEx
Airbill No.: 790411770391
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab Use Only: Cooler Temp:

C032CF62
C032CR19

MAY 29 2002 8:21AM HP LASERJET 3200

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BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

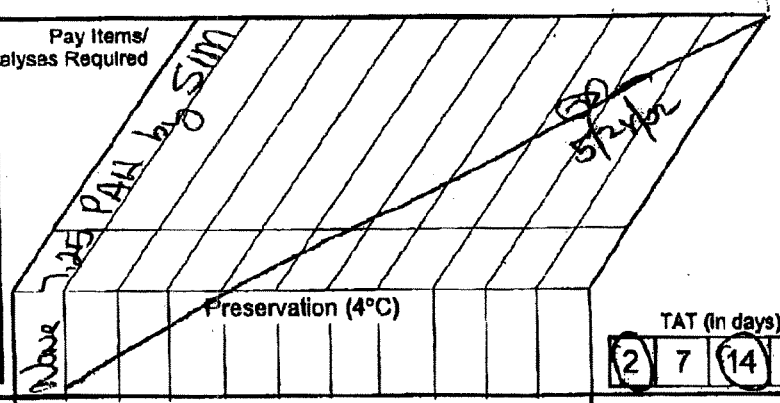
20611

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: S. Jordan

Sampler(s): R. Pindic
Signature(s):

Analytical Laboratory Name: STL
Analytical Laboratory Address: 880 Riverside Pkwy West Sacramento CA
Field Logbook/Page Number: FL-032-EDC5-85
~~30~~, 40

Pay Items/ Analyses Required



TAT (In days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C C03	5-24-02 1050	32 EDC - 5102	Soil	1		01	0 to 6"
C032C C04	5-24-02 1050	32 EDC - 5102		1		01	6" to 24"
C032C C05	5-24-02 1100	32 EDC - 5102		1		01	24" to 48"
C032C C06	5-24-02 1110	32 EDC - 5102		1		01	48" to 96"
C032C 035	5-24-02 1310	32 EDC - 5132		1		01	0 to 6"
C032C 036	5-24-02 1310	32 EDC - 5132		1		01	6" to 24"
C032C D37	5-24-02 1320	32 EDC - 5132		1		01	24" to 48"
C032C D38	5-24-02 1325	32 EDC - 5132		1		01	48 to 96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	S. Quayle/Kleinfelder	5/24/02	1700	Ship to Lab
S. Quayle/Kleinfelder	Fed Ex	5/24/02	1700	Ship to Lab

Comments/Instructions: Follow BEI SOW for lab analysis. Call J. Jordan w/ questions

Method of Shipment: Fed Ex
Airbill No.: 7911 4624 7137
Total No. of Containers: 8
Total No. of Coolers Shipped: 1
Lab Shipping Cooler Temp.:

C032CF02
C032CR19

MAY 29 2002 8:19AM HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20613

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): [illegible]
Signature(s): [illegible]

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4203 W. Swift Fresno CA
Field Logbook/Page Number: FL-032-EDC5-05
~~39~~ 39,42

Pay Items/ Analyses Required: 7 Days PAH by SIM; 5/24/02; Preservation (4°C)

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C C43	5-24-02 1150	32EDC-5111	Soil	1		01	0 to 6"
C032C C44	5-24-02 1150	32EDC-5111		1		01	6" to 24"
C032C C45	5-24-02 1205	32EDC-5111		1		01	24" to 48"
C032C C46	5-24-02 1205	32EDC-5111		1		01	48" to 96"
C032C D44	5-24-02 1446	32EDC-5134		1		01	0 to 6"
C032C D45	5-24-02 1446	32EDC-5134		1		01	6" to 24"
C032C D41	5-24-02 1450	32EDC-5134		1		01	24" to 48"
C032C D47	5-24-02 1455	32EDC-5134		1		01	48" to 96"

5/24/02

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
[illegible] BC	Sample/Klinefelter	5/24/02	1700	Ship to Lab
Sample/Klinefelter	Fed Express	5/24/02	1900	Ship to Lab

Comments/Instructions: Follow BBI SOW for lab analysis. Call J. Jordan with questions

Method of Shipment: Fed Exp
Airbill No.: 7905 3367 0220
Total No. of Containers: 8
Total No. of Coolers Shipped: 1
Lab Use: Cooler Temp.:

C032CF02
C032CR19

CLEAN

CHAIN-OF-CUSTODY RECORD

20609

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Irwin
Signature(s):

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 S. 13th Ave Kelso, WA
Field Logbook/Page Number: EI-032-EDC5-05
043

Pay Items/ Analyses Required

Metals 1,25 PAH 1,3 SIM
5/24/02
Preservation (4°C)

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C048	5-24-02 1515	32EDC-5135	Soil	1	5/24/02	01	0 to 6"
C032C049	5-24-02 1515	32EDC-5135		1		01	6" to 24"
C032C050	5-24-02 1525	32EDC-5135		1		01	24 to 47
C032C051	5-24-02 1530	32EDC-5135		1		01	47 to 91"
C032C052	5-24-02 1530	32EDC-5135		1		01	47" to 96" FD

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
R. Irwin / BC	S. Smyth / Hartcrowley	5/24/02	1700	Ship to lab
S. Smyth / Hartcrowley	Fed Exp	5/24/02	1400	Ship to lab

Comments/Instructions: Follow BE1 SOW for lab analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Exp
Airbill No.: 1980 4197 0391
Total No. of Containers: 5
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp.:

C032CF02
C032CR19

MAY 29 2002 8:21AM HP LASERJET 3200

p. 13

BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20709

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): [illegible]
Signature(s): [illegible]

Pay Items/ Analyses Required: 8325 PAH by SIM

Analytical Laboratory Name: STL
Analytical Laboratory Address: 880 Riverside Pkwy W. Sacramento, CA
Field Logbook/Page Number: FL-032-EDC5-05 pg 44, 47

Preservation (4°C)

TAT (in days): 2 7 14 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CC73	5-29-02 0910	32EDC-5118	Soil	1		01	0 to 6"
C032CC74	5-29-02 0910	32EDC-5118	↓	1		01	6" to 24"
C032CC75	5-29-02 0910	32EDC-5118		1		01	6" to 24" FD
C032CC76	5-29-02 0915	32EDC-5118		1		01	24" to 48"
C032CC77	5-29-02 0925	32EDC-5118		1		01	48" to 96"
C032CC69	5-29-02 1135	32EDC-5117		1		01	0 to 6"
C032CC70	5-29-02 1135	32EDC-5117		1		01	6" to 24"
C032CC71	5-29-02 1140	32EDC-5117		1		01	24" to 48"
C032CC72	5-29-02 1145	32EDC-5117	↓	1		01	48" to 96"

5/29/02

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
[illegible] BC	S. [illegible]/Kleinfelder	5/29/02	1700	Ship to Lab
S. [illegible]/Kleinfelder	Fed Exp	5/29/02	1800	Ship to Lab

Comments/Instructions: Follow BEI SOW for lab analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Exp
Airbill No.: 7920 4279 1880
Total No. of Coolers Shipped: 1
Total No. of Containers: 9
Lab SDG:
Cooler Temp:

C032CF02
C032CR20

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MAY 30 2002 8:17AM HP LASERJET 3200

DECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

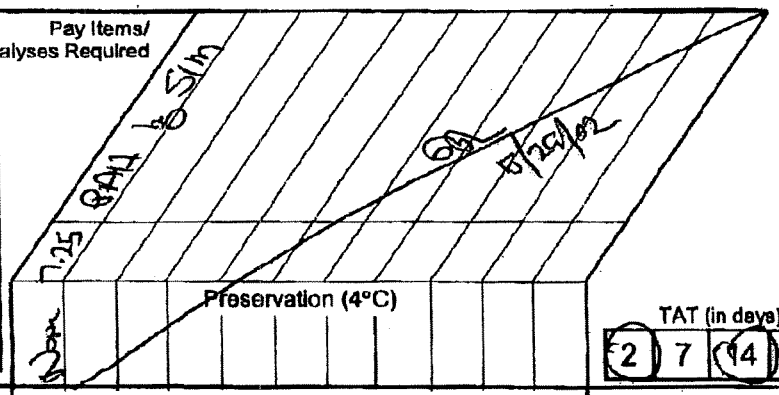
20708

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J Jordan

Sampler(s): D. Power
Signature(s):

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 S 13th Ave Kelso, WA
Field Logbook/Page Number: FL-032-EDC 5-05
~~88~~ 45, 4Y

Pay Items/ Analyses Required



Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C D13	5-29-02 1000	32EDC-5127	Soil	1		01	0 to 6"
C032C D14	5-29-02 1000	32EDC-5127		1		01	6" to 24"
C032C D15	5-29-02 1010	32EDC-5127		1		01	24" to 48"
C032C D16	5-29-02 1015	32EDC-5127		1		01	48" to 96"
C032C C29	5-29-02 1330	32EDC-5108		1		01	0" to 6"
C032C C30	5-29-02 1330	32EDC-5108		1		01	6" to 24"
C032C C31	5-29-02 1330	32EDC-5108		1		01	6" to 24" FD
C032C C32	5-29-02 1335	32EDC-5108		1		01	24" to 48"
C032C C33	5-29-02 1340	32EDC-5108	↓	1		01	48" to 96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
D. Power / BC	S. Quayle / Kleinfelder	5/29/02	1700	Ship to Lab
S. Quayle / Kleinfelder	Fed Ex	5/30/02	1800	Ship to lab

Comments/Instructions: Follow DEI SOW for lab analysis
Call J Jordan w/ questions.

Method of Shipment: Fed Ex
Airbill No.: 7918 4960 1349
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temps:

C032CFD2
C032CR20

P. 2

BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20711

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Pirin
Signature(s): [signature]

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4203 W. Swift, Fresno, CA
Field Logbook/Page Number: FL-032-EDC 5-05
pg 46, 49

Pay Items/ Analyses Required: Metals 125; PAH by SIM

Preservation (4°C)

TAT (in days): 2 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C C34	5-29-02 1055	32EDC-5109	Soil	1		01	0 to 6"
C032C C35	5-29-02 1055	32EDC-5109	↓	1		01	6" to 24"
C032C C36	5-29-02 1100	32EDC-5109		1		01	24" to 48"
C032C C37	5-29-02 1105	32EDC-5109		1		01	48" to 96"
C032C B90	5-29-02 ~~1410~~ 1435	32EDC-599		1		01	0 to 6"
C032C B91	5-29-02 ~~1410~~ 1435	32EDC-599		1		01	6" to 24"
C032C B92	5-29-02 ~~1415~~ 1440	32EDC-599		1		01	24" to 48"
C032C B93	5-29-02 1445	32EDC-599	↓	1		01	48" to 96"

5/29/02 (initials)

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
[signature] / BC	S. Quayle / Kleinfelder	5/29/02	1700	Ship to Lab
S. Quayle / Kleinfelder	Fed Exp	5/29/02	1400	Ship to lab

Comments/Instructions: Follow BEI SOW for lab analysis. Call J. Jordan w/ questions.

Method of Shipment: FedExp
Airbill No.: 791449499351
Total No. of Coolers Shipped: 1
Total No. of Containers: 8
Lab SDG:
Cooler Temp.:

C032CF02
C0[illegible]CR20

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BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20710

Site Name: EOC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Piver
Signature(s):

Analytical Laboratory Name: S.T.L.
Analytical Laboratory Address: 880 Riverside Pkwy W. Sacramento, CA
Field Logbook/Page Number: FL-032-EOC5-05
~~85~~ 50

Pay Items/ Analyses Required: 25 RAD by SIM; 30 5/29/02; Preservation (4°C); 3

TAT (In days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CB85	5-29-02 1515	32EOC-594	Soil	1	QAA 5/29/02	01	0 to 6"
C032CB86	5-29-02 1515	32EOC-595	↓	1		01	6" to 24"
C032CB87	5-29-02 1515	32EOC-598		1		01	6" to 24" FD
C032CB88	5-29-02 1525	32EOC-597		1		01	24" to 48"
C032CB89	5-29-02 1530	32EOC-599		1		01	48" to 96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	S. Quayle/Kleinfelter	5/29/02	1700	Ship to Lab
S. Quayle/Kleinfelter	Fed Ex	5/29/02	1700	Ship to Lab

Comments/Instructions: Follow BEI SOW for lab analysis. Call J. Jordan w/ questions

Method of Shipment: Fed Ex
Airbill No.: 790429791770
Total No. of Containers: 5
Total No. of Coolers Shipped: 1
Lab Signature:
Cooler Temp.:

C032CR02
C032CR20

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20722

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jarboe

Sampler(s): R. Perry
Signature(s):

Analytical Laboratory Name: STL
Analytical Laboratory Address: 880 Riverside Pkwy, West Sacramento CA
Field Logbook/Page Number: FL-032-EDC5-06
pgs 21, 24

Pay Items/ Analyses Required

None | Some

Preservation (4°C)

TAT (in days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CD53	5-30-02 0925	32EDC-5136	Soil	1		01	0 to 6"
C032CD54	5-30-02 0925	32EDC-5136		1		01	6" to 24"
C032CD55	5-30-02 0930	32EDC-5136		1		01	24" to 48"
C032CD56	5-30-02 0940	32EDC-5136		1		01	48" to 96"
C032CD57	5-30-02 0940	32EDC-5136		1		01	48" to 96" FD
C032CC65	5-30-02 1040	32EDC-5116		1		01	0 to 6" MS/MSD
C032CC66	5-30-02 1040	32EDC-5116		1		01	6" to 24"
C032CC67	5-30-02 1045	32EDC-5116		1		01	24" to 48"
C032CC68	5-30-02 1050	32EDC-5116		1		01	48" to 96"
C032CR21	5-30-02 1430	FRC	Water	2		01/02	Rinsate

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	F. Express	5/30/02	1600	Ship to Lab

Comments/Instructions: Follow BEI SOW for lab analysis. Call J. Jarboe w/ questions.

Method of Shipment: F. Express
Airbill No.: 7927 2985 7100
Total No. of Coolers Shipped: 1
Total No. of Containers: 11
Lab SDG:
Cooler Temp.:

C032CF02
C032CR21

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BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

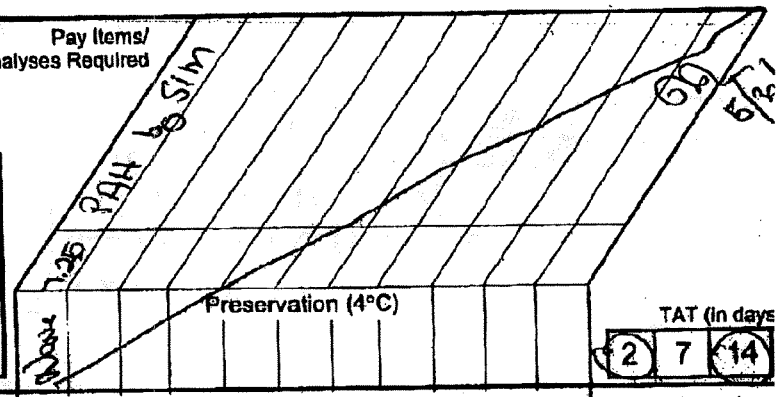
20721

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: S. Jordan

Sampler(s): R Prince
Signature(s):

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 S 13th Ave Kelso, WA
Field Logbook/Page Number: FL-032-EDC5-06
pgs 22, 25

Pay Items/ Analyses Required



Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MS
C032CD09	5-30-02 0915	32EDC-5126	Soil	1		01	0 to 6"
C032CD10	5-30-02 0915	32EDC-5126		1		01	6" to 24"
C032CD11	5-30-02 0920	32EDC-5127		1		01	24" to 47"
C032CD12	5-30-02 0925	32EDC-5126		1		01	47" to 96"
C032CC25	5-30-02 1125	32EDC-5107		1		01	0 to 6"
C032CC26	5-30-02 1125	32EDC 5107		1		01	6 to 24"
C032CC27	5-30-02 1130	32EDC 5107		1		01	24" to 47
C032CC28	5-30-02 1135	32EDC 5107		1		01	47" to 9

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	FL Exp	5/30/02	1600	Ship to lab
			~~1600~~	~~Ship to lab~~
				5/30/02

Comments/Instructions: Follow BEI SOW for lab analysis
Call J. Jordan w/ questions

Method of Shipment: FedEx
Airbill No.: 7911 5055 9027
Total No. of Containers: 8
Total No. of Coolers Shipped: 1
Cooler Temp.:

C032CF02
C032CR21

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BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

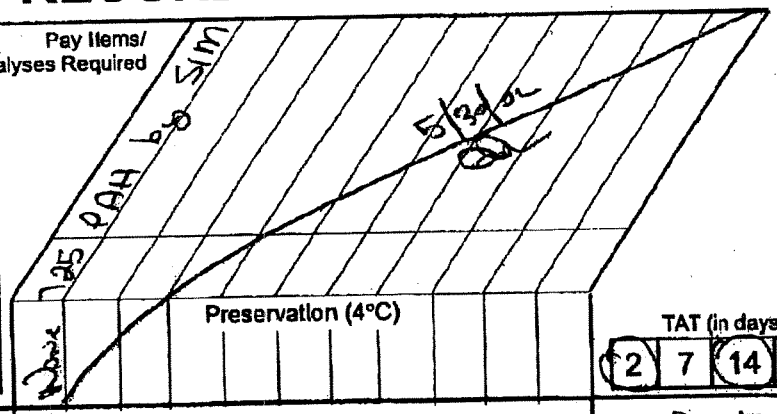
20720

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R Pierce
Signature(s):

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4303 W. Swift, Fresno CA 93722
Field Logbook/Page Number: FL-032-EDC5-06
pgs 23, 26

Pay Items/ Analyses Required



TAT (in days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CD04	5-30-02 1000	32EDC-5125	Soil	1		01	0 to 6"
C032CD05	5-30-02 1000	32EDC-5125		1		01	6" to 24"
C032CD06	5-30-02 1005	32EDC-5125		1		01	24" to 48"
C032CD07	5-30-02 1010	32EDC-5125		1		01	4'6" to 9'1"
C032CD08	5-30-02 1010	32EDC-5125		1		01	4'6" to 9'1" FD
C032CB81	5-30-02 1210	32EDC-597		1		01	0 to 6'
C032CB82	5-30-02 1210	32EDC-597		1		01	6" to 24"
C032CB83	5-30-02 1215	32EDC-597		1		01	24" to 4'6"
C032CB84	5-30-02 1220	32EDC-597		1		01	4'6" to 9'6"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
BC	S. Smith/Kinetic Lab	5/30/02	1500	Ship to Lab
BC	Fed Ex	5/30/02	1600	Ship to Lab

Comments/Instructions:
Follow BE1 SOW for lab analysis.
Call J. Jordan w/ questions.

Method of Shipment: FEDEX
Airbill No.: 7904 3553 0786
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp:

C032CF02
C032CR21

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MAY 31 2002 8:15AM HP LASERJET 3200 P.3

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20179

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): S. Quayle
Signature(s): S. Quayle

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 South 13th Ave. Kelso, WA 98626
Field Logbook/Page Number: FL-032-EDC5-03; Page 23 and 26

Pay Items/ Analyses Required: 7.25 PAH by SIM; Preservation (4°C); None

TAT (in days): 2 | 7 | (14) | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CD39	5-31-02/0840	32EDC-5133	Soil	1		01	0-6"
C032CD40	5-31-02/0845	32EDC-5133	Soil	1		01	6-24"
C032CD41	5-31-02/0850	32EDC-5133	Soil	1		01	~~6-24~~ 24-48"
C032CD42	5-31-02/0855	32EDC-5133	Soil	1		01	24-48" FD
C032CD43	5-31-02/0900	32EDC-5133	Soil	1		01	48-96"
C032CC47	5-31-02/1050	32EDC-5112	Soil	1		01	0-6" MS/MSD
C032CC48	5-31-02/1055	32EDC-5112	Soil	1		01	6-24"
C032CC49	5-31-02/1100	32EDC-5112	Soil	1		01	24-48"
C032CC50	5-31-02/1105	32EDC-5112	Soil	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
S. Quayle/Kleinfelder	E. Johansen/BEI	5-31-02	1700	Ship to lab
E. Johansen/BEI	FedEx	5-31-02	1800	Ship to lab

Comments/Instructions: Follow BNI SOW for lab analysis. Call J. Jordan w/ questions.

Method of Shipment: FedEx
Airbill No.: 7918 5177 3950
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp:

C032CF02
C032CR22

JUN 02 2002 10:01AM HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20660

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): S. Quayle
Signature(s):

Analytical Laboratory Name: STL W. Sacramento
Analytical Laboratory Address: 880 Riverside Pkwy, W. Sacramento, CA 95605
Field Logbook/Page Number: EL-032-EDC5-03; Page: 24 and 27

Pay Items/ Analyses Required: 7.2.5 PAH by SIM; VOC; Preservation (4°C)

TAT (In days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CC91	5-31-02/0930	32EDC-5122	Soil	1		01	0-6"
C032CC92	5-31-02/0935	32EDC-5122	Soil	1		01	6-24"
C032CC93	5-31-02/0940	32EDC-5122	Soil	1		01	24-48"
C032CC94	5-31-02/0945	32EDC-5122	Soil	1		01	48-96" MS/MSD
C032CC07	5-31-02/1120	32EDC-5103	Soil	1		01	0-6"
C032CC08	5-31-02/1125	32EDC-5103	Soil	1		01	6-24"
C032CC09	5-31-02/1130	32EDC-5103	Soil	1		01	6-24" FD
C032CC10	5-31-02/1135	32EDC-5103	Soil	1		01	24-48"
C032CC11	5-31-02/1140	32EDC-5103	Soil	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
S. Quayle/Kleinfelder	E. Johnsen/BEI	5-31-02	1700	Ship to lab
E. Johnsen/BEI	Fed Ex	5-31-02	1800	Ship to lab

Comments/Instructions: Follow BNI SOW for lab analysis. Call J. Jordan w/ questions

Method of Shipment: FedEx
Airbill No.: 7904-3728-6350
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp.:

C032CF02
C032CR22

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P.7

RECYCLED CLEAN

CHAIN-OF-CUSTODY RECORD

20661

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): S. Quayle
Signature(s):

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4703 West Swift, Fresno, CA 93722
Field Logbook/Page Number: FL-032-EDC5-03; Page: 25 and 28

Pay Items/ Analyses Required: 7.25 PAH by SIM; 5D

Preservation (4°C): None

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CC51	5-31-02/1005	32EDC-5113	Soil	1		01	0-6"
C032CC52	5-31-02/1010	32EDC-5113	Soil	1		01	6-24" MS/MSD
C032CC53	5-31-02/1015	32EDC-5113	Soil	1		01	6-24" FD
C032CC54	5-31-02/1020	32EDC-5113	Soil	1		01	24-48"
C032CC55	5-31-02/1025	32EDC-5113	Soil	1		01	48-96"
C032CB59	5-31-02/1315	32EDC-592	Soil	1		01	0-6"
C032CB60	5-31-02/1320	32EDC-592	Soil	1		01	6-24"
C032CB61	5-31-02/1325	32EDC-592	Soil	1		01	24-48"
C032CB62	5-31-02/1330	32EDC-592	Soil	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
S. Quayle/Kleinfelder	E. Johansen/BEI	5-31-02	1700	Ship to lab
E. Johansen/BEI	Fed Ex	5-31-02	1800	Ship to lab

Comments/Instructions: Follow BAV SOW for lab analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Ex
Airbill No.: 7905 3640 8173
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab Seal
Cooler Temp.:

C032CF02
C032CR22

JUN 02 2002 9:59AM HP LASERJET 3200

CLEAN

CHAIN-OF-CUSTODY RECORD

20718

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R Pilkey
Signature(s):

Pay Items/ Analyses Required

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 S. 13th St Kelso, WA
Field Logbook/Page Number: FL-032-EDC5-06
~~pg~~ 27, 32, 33

Preservation (4°C)

TAT (In days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C C12	5-31-02 0842	32EDC-5104	Soil	1		01	0 to 6"
C032C C13	5-31-02 0842	32EDC-5104		1		01	6" to 24"
C032C C14	5-31-02 0856	32EDC-5104		1		01	24" to 48"
C032C C15	5-31-02 0902	32EDC-5104		1		01	48 to 96"
C032C C16	5-31-02 1045	32EDC-5105		1		01	0 to 6"
C032C C17	5-31-02 1045	32EDC-5105		1		01	6" to 24"
C032C C18	5-31-02 1120	32EDC-5105		1		01	24" to 48"
C032C C19	5-31-02 1128	32EDC-5105		1		01	48" to 96"
C032C C20	5-31-02 1138	32EDC-5105		1		01	48" to 96"

FD 5/31/02

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
R Pilkey BC	E. Johansen/BEI	5/31/02	1700	Ship to Lab
E. Johansen/BEI	Fed Express	5/31/02	1900	Ship to Lab

Comments/Instructions:
Follow BEI SOW for lap analysis.
Call J. Jordan w/ questions

Method of Shipment: Fed Exp
Airbill No.: 7918 5177 3950
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp:

C032CF02
C032CR22

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JUN 02 2002 10:01AM HP LASERJET 3200

JUN 02 2002 10:00AM HP LASERJET 3200

BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20719

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Pinare
Signature(s): [signature]

Pay Items/ Analyses Required: 8325 PAH by SIM

Analytical Laboratory Name: STL
Analytical Laboratory Address: 880 Riverside Pkwy West Sacramento CA
Field Logbook/Page Number: FL-032-EDC5-06
pg 28, 29, 34

Preservation (4°C): None

TAT (in days): 2 7 14 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CB77	5-31-02 0918	32EDC-596	Soil	1		01	0 to 6"
C032CB78	5-31-02 0938	32EDC-596		1		01	6" to 24"
C032CB79	5-31-02 0948	32EDC-596		1		01	24" to 48"
C032CB80	5-31-02 0958	32EDC-596		1	5/31/02	01	48" to 96"
C032CC56	5-31-02 1318	32EDC-5114		1		01	0 to 6"
C032CC57	5-31-02 1318	32EDC-5114		1		01	6" to 24"
C032CC58	5-31-02 1328	32EDC-5114		1		01	24" to 48"
C032CC59	5-31-02 1334	32EDC-5114		1		01	48" to 96"

5/31/02

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
R. Pinare BC	E. Johansen/BEI	5-31-02	1700	Ship to Lab
E. Johansen/BEI	Fed Exp	5-31-02	1800	Ship to Lab

Comments/Instructions: Follow BEI SOW for lap analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Exp
Airbill No.: 7904-3728-6350
Total No. of Containers: 8
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp.:

C032CF02
C032CR22

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P.4

CLEAN

CHAIN-OF-CUSTODY RECORD

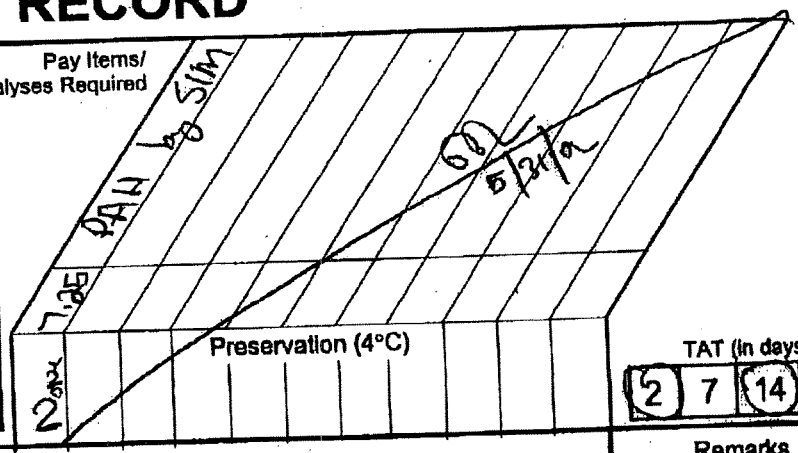
20723

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R Prince
Signature(s):

Analytical Laboratory Name: A.R.L.
Analytical Laboratory Address: 4203 W. Swift Fresno Ca 93722
Field Logbook/Page Number: FL-032-EDC5-01
pg 30, 31

Pay Items/ Analyses Required



Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C B72	5-31-02 1026	32EDC-595	Soil	1		01	0 to 6"
C032C B73	5-31-02 1026	32EDC-595		1		01	6" to 24"
C032C B74	5-31-02 1033	32EDC-596		1		01	24" to 48"
C032C B75	5-31-02 1042	32EDC-595		1		01	4' to 9½"
C032C B76	5-31-02 1042	32EDC-596		1		01	4' to 9' FD
C032C C00	5-31-02 1358	32EDC-5124		1		01	0 to 6"
C032C D01	5-31-02 1358	32EDC-5124		1		01	6" to 24"
C032C D02	5-31-02 1406	32EDC-5124		1		01	24" to 48"
C032C D03	5-31-02 1414	32EDC-5124	↓	1		01	4' to 9' FD

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
R. Prince/BC	E. Johansen/BEI	5/31/02	1700	Ship to Lab
E. Johansen/BEI	Fed Exp	5/31/02	1900	Ship to Lab

Comments/Instructions: Follow BEI SOW for lab analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Exp
Airbill No.: 7905 3640 8173
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab Signature:
Cooler Temp.:

C032CFD2
C032CR22

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JUN 02 2002 9:59AM HP LASERJET 3200 P.3

CLEAN

CHAIN-OF-CUSTODY RECORD

20652

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Prince
Signature(s):

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 S. 13th Ave Kelso, WA
Field Logbook/Page Number: FL-032-EDC5-06
pg 37

Pay Items/ Analyses Required

Preservation (4°C)

TAT (in days): (72) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CC60	5-31-02 1440	32EDC-5115	Soil	1		01	0 to 6"
C032CC61	5-31-02 1452	32EDC-5115	↓	1		01	6" to 24"

5/31/02

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer	Comments/Instructions:
R. Prince BC	E. Johansen / BEI	5/31/02	1700	Ship to Lab	Follow BEI SOW for lab analysis. Call J. Jordan w/ questions.
E. Johansen / BEI	Fed Express	5/31/02	1900	Ship to Lab	

Method of Shipment: Fed Exp
Airbill No.: 791859773950
Total No. of Containers: 2
Total No. of Coolers Shipped: 1

Lab Use Only
Cooler Temp.:

C032CF02
C032CR22

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JUN 02 2002 10:01AM HP LASERJET 3200

P.8

CLEAN

CHAIN-OF-CUSTODY RECORD

20631

Site Name: EDC-5
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Lewis
Signature(s):

Analytical Laboratory Name: STL
Analytical Laboratory Address: 880 Riverside Pkwy West Sacramento CA
Field Logbook/Page Number: FL-032-EDC5-01
pgs 37, 39

Pay Items/ Analyses Required

Preservation (4°C)

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C C21	5-31-02 1600	32 EDC-5101	Soil	1		01	0 to 6" MS/MSD
C032C C22	5-31-02 1605	32 EDC-5106		1		01	6" to 24"
C032C C23	5-31-02 1610	32 EDC-5106		1		01	24 to 48"
C032C C24	5-31-02 1225	32 EDC-5106		1		01	48" to 96"
C032CR22	5-31-02 1650	FQC	Water	2		02	RINSATE

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
R. Lewis / BC	E. Johansen / BEI	5/31/02	1700	Ship to Lab
E. Johansen / BEI	Fed Express	5/31/02	1900	Ship to Lab

Comments/Instructions: Follow BEI SOW for lab analysis. Call J. Jordan w/ questions

Method of Shipment: F.O. Bag
Airbill No.: 7904-3728-6350
Total No. of Containers: 6
Total No. of Coolers Shipped: 1
Lab Use:
Cooler Temp.:

C032CF02
C032CR22

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BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20260

Site Name: EDC-12
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s): T=1 / Ka Ba

Analytical Laboratory Name: STL WEST SACRAMENTO
Analytical Laboratory Address: 880 RIVERSIDE PKWY W. SACRAMENTO, CA 95605-1500
Field Logbook/Page Number: FL-032-EDC-12-01 pg 28, 21

Pay Items/ Analyses Required: 7:25 PAH- 8270C SIM; ASBar; NONE; Preservation (4°C); 45°

TAT (in days): 2 | 7 | (14) | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C 357	5-17-02/0854	EDC-1203	SOIL	1		01	0-6"
C032C 358	5-17-02/0856	EDC-1203	SOIL	1		01	6-24"
C032C 359	5-17-02/0857	EDC-1203	SOIL	1		01	6-24" FD
C032C 360	5-17-02/0902	EDC-1203	SOIL	1		01	24-48"
C032C 361	5-17-02/0908	EDC-1203	SOIL	1		01	48-96" MS/MSD
C032C 379	5-17-02/1014	EDC-1208	SOIL	1		01	0-6"
C032C 380	5-17-02/1016	EDC-1208	SOIL	1		01	6-24"
C032C 381	5-17-02/1017	EDC-1208	SOIL	1		01	6-24" FD
C032C 382	5-17-02/1023	EDC-1208	SOIL	1		01	24-48"
C032C 383	5-17-02/1026	EDC-1208	SOIL	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-17-02	1730	SHIP TO LAB
		5-18-02	0945	

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS.

Method of Shipment: FEDEX
Airbill No.: 7920 3664 0685
Total No. of Containers: 10
Total No. of Coolers Shipped: 1
Lab Rec'd:
Cooler Temp.:

C032CF02
C032CR10

T=1
SAG-

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MAY 20 2002 10:54AM HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20191

Site Name: EDC-12
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s): T. H
Ka Ba

Analytical Laboratory Name: COLUMBIA
Analytical Laboratory Address: 1317 South 13th AVE. KELSO, WA 98626
Field Logbook/Page Number: FL-032-EDC-12-01 pg 27, 22

Pay Items/ Analyses Required: PAH-8270C SIM; PAH-8270C SIM; 7.25; 9.25; NONE; NONE; Preservation (4°C)

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C 362	5-17-02 / 0933	EDC-1204	SOIL	1		01	0-6"
C032C 363	5-17-02 / 0936	EDC-1204	SOIL	1		02	6-24"
C032C 364	5-17-02 / 0940	EDC-1204	SOIL	1		03	24-48"
C032C 365	5-17-02 / 0950	EDC-1204	SOIL	1		04	48-96" MS/MSD
C032C 367	5-17-02 / 1050	EDC-1207	SOIL	1		05	0-6"
C032C 368	5-17-02 / 1053	EDC-1207	SOIL	1		06	6-24"
C032C 369	5-17-02 / 1106	EDC-1207	SOIL	1		07	24-48"
C032C 370	5-17-02 / 1113	EDC-1207	SOIL	1		08	48-96"
C032CR101	5-17-02 / 1550	FQC	WATER	2	X	01,02	FQC/UNSATS

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-17-02	1730	SHIP TO LAB
		5-18-02	0845	

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7905 2814 4164
Total No. of Containers: 10
Total No. of Coolers Shipped: 1

T = 0.3
SDG - K2203249

C032CF02
C032CR10

MAY 20 2002 10:56AM HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20142

Site Name: EDC-12
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s):

Analytical Laboratory Name: STL WEST SACRAMENTO
Analytical Laboratory Address: 880 RIVERSIDE PKWY WEST SACRAMENTO CA 95605
Field Logbook/Page Number: FL-032-EDC12-01 pg 23, 25

Pay Items/ Analyses Required

Preservation (4°C): NONE; 7.25 PAH-8270C SIM; 1500

TAT (in days): 2 | 7 | (14) | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C397	5-17-02 / 1246	EDC-1212	SOIL	1		01	0-6"
C032C398	5-17-02 / 1248	EDC-1212	SOIL	1		01	6-24"
C032C399	5-17-02 / 1253	EDC-1212	SOIL	1		01	24-48"
C032C400	5-17-02 / 1301	EDC-1212	SOIL	1		01	48-96"
C032C437	5-17-02 / 1410	EDC-1221	SOIL	1		01	0-6" (MS/MSD)
C032C438	5-17-02 / 1418	EDC-1221	SOIL	1		01	6-24"
C032C439	5-17-02 / 1426	EDC-1221	SOIL	1		01	24-48"
C032C440	5-17-02 / 1440	EDC-1221	SOIL	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-17-02	1730	SHIP TO LAB
		5-18-02	0945	

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT T. JORDAN w/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7920 3621 0085
Total No. of Containers: 8
Total No. of Coolers Shipped: 1

C032CF02
C032CR10

T=1
SDG-

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

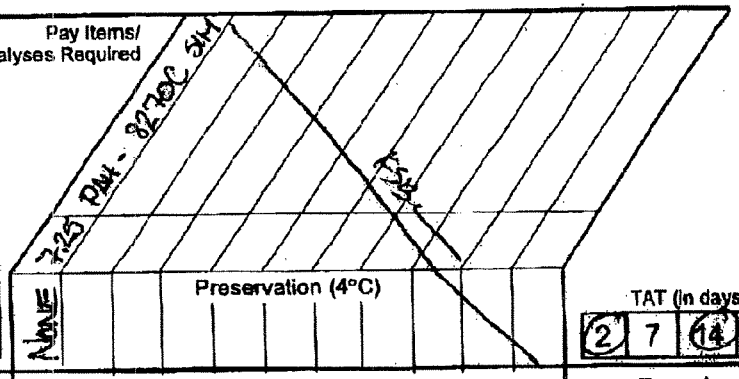
20141

Site Name: EDC-12
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s): T. H / K. Barnes

Pay Items/ Analyses Required

Analytical Laboratory Name: COLUMBIA
Analytical Laboratory Address: 1317 South 13th Ave, KELSO, WA 98626
Field Logbook/Page Number: FL-032-EDC-12-01 pg 24, 26



TAT (In days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C401	5-17-02/1333	EDC-1213	SOIL	1		01	0-6"
C032C402	5-17-02/1335	EDC-1213	SOIL	1		01	6-24"
C032C403	5-17-02/1336	EDC-1213	SOIL	1		01	6-24" MS/MSD FD
C032C404	5-17-02/1342	EDC-1213	SOIL	1		01	24-48"
C032C405	5-17-02/1353	EDC-1213	SOIL	1		01	48-96"
C032C432	5-17-02/1507	EDC-1220	SOIL	1		01	0-6"
C032C433	5-17-02/1509	EDC-1220	SOIL	1		01	6-24"
C032C434	5-17-02/1516	EDC-1220	SOIL	1		01	24-48"
C032C435	5-17-02/1525	EDC-1220	SOIL	1		01	48-96"
C032C436	5-17-02/1527	EDC-1220	SOIL	1		01	48-96"

MS/MSD
FD MS/MSD
Per Columbia

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. Hauser / BEI	FedEx	5-17-02	1730	SHIP TO LAB
		5-18-02	0845	

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FedEx
Airbill No.: 7905 2814 4164
Total No. of Containers: 10
Total No. of Coolers Shipped: 1

C032CF02
C032CR10

T = 0.3
SDG-K2203249

MAY 20 2002 10:56AM HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

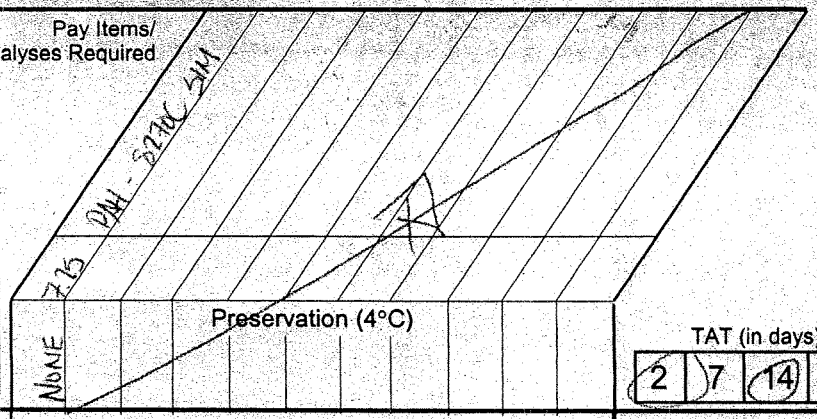
20696

Site Name: EDC-12
CTO Number: 032
Site Contact/Supervisor: T JORDAN

Sampler(s): T HOUSER/K BARNES
Signature(s):

Analytical Laboratory Name: STL WEST SACRAMENTO
Analytical Laboratory Address: 880 RIVERSIDE PKWY, W. SACRAMENTO, CA 95605
Field Logbook/Page Number: FL-032-EDC 12-01, PG 29, 32

Pay Items/ Analyses Required



TAT (in days): 2 | 7 | (14) | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C393	5-20-02/0847	EDC-1211	SOIL	1		01	0-6"
C032C394	5-20-02/0851	EDC-1211	SOIL	1		01	6-24"
C032C395	5-20-02/0855	EDC-1211	SOIL	1		01	24-48"
C032C396	5-20-02/0903	EDC-1211	SOIL	1		01	48-96"
C032C467	5-20-02/1114	EDC-1228	SOIL	1		01	0-6
C032C468	5-20-02/1116	EDC-1228	SOIL	1		01	6-24"
C032C469	5-20-02/1117	EDC-1228	SOIL	1		01	6-24"
C032C470	5-20-02/1129	EDC-1228	SOIL	1		01	24-48"
C032C471	5-20-02/1146	EDC-1228	SOIL	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HOUSER/BEC	FEDEX	5-20-02	1800	SHIP TO LAB

Comments/Instructions: FOLLOW BEC SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 790484115295
Total No. of Containers:
Total No. of Coolers Shipped:
Lab SDG:
Cooler Temp.:

DEC/ITEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20698

Site Name: EDC-12
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / L. BARNES
Signature(s):

Pay Items/ Analyses Required: 3.25 PAH - 8270C SIM

Analytical Laboratory Name: COLUMBIA
Analytical Laboratory Address: 1317 South 13th Ave. KELSO, WA 98626
Field Logbook/Page Number: FL-032-EDC12-01, pg 30, 33

Preservation (4°C): NONE

TAT (In days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C428	5-20-02/0929	EDC-1219	SOIL	1		01	0-6"
C032C429	5-20-02/0931	EDC-1219	SOIL	1		01	6-24"
C032C430	5-20-02/0936	EDC-1219	SOIL	1		01	24-48"
C032C431	5-20-02/0941	EDC-1219	SOIL	1		01	48-96"
C032C476	5-20-02/1323	EDC-1230	SOIL	1		01	0-6"
C032C477	5-20-02/1326	EDC-1230	SOIL	1		01	6-24"
C032C478	5-20-02/1331	EDC-1230	SOIL	1		01	24-48"
C032C479	5-20-02/1337	EDC-1230	SOIL	1		01	48-96"
C032C480	5-20-02/1338	EDC-1230	SOIL	1		01	48-96" FD

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-20-02	1800	SHIP TO LAB
		5/21/02	0915	

Comments/Instructions: FOLLOW BEI SOW FOC ANALYSIS. CONTACT J. JORDAN w/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7927-2725-5902
Total No. of Containers: 9
Total No. of Coolers Shipped:
Lab SDG:
Cooler Temp.:

T = 1.2
SDG - K2203270

C032CF02
C032CR01

MAY 21 2002 8:34AM HP LASERJET 3200

CLEAN

CHAIN-OF-CUSTODY RECORD

20232

Site Name: EDC-12
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s):

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4203 WEST SWIFT FRESNO, CA 93722
Field Logbook/Page Number: FL-032-EDC12-01, pg 31, 34

Pay Items/ Analyses Required: 7.25 PAH - 8270C SIM; 2.25 PAH by SIM

Preservation (4°C): NONE; HCL

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C459	5-20-02/1025	EDC-1226	SOIL	1		01	0-6"
C032C460	5-20-02/1027	EDC-1226	SOIL	1		01	6-24"
C032C461	5-20-02/1031	EDC-1226	SOIL	1		01	24-48"
C032C462	5-20-02/1039	EDC-1226	SOIL	1		01	48-96"
C032C473	5-20-02/1413	EDC-1229	SOIL	1		01	0-6"
C032C473	5-20-02/1416	EDC-1229	SOIL	1		01	6-24"
C032C474	5-20-02/1427	EDC-1229	SOIL	1		01	24-48"
C032C475	5-20-02/1439	EDC-1229	SOIL	1		01	48-96"
C032CR011	5-20-02/1615	FQC	Water	2		01, 02	Rinsate
					A		

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	~~5-20-02~~ 5-17-02	1800	SHIP TO LAB
		5-21-02	0930	

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7918-4256-9833
Total No. of Containers: 10
Total No. of Coolers Shipped: 1
Lab Seal
Cooler Temp.

C032CF02
C032CR011

T=1
SDG - 38406

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20699

Site Name: EDC-12
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s): T=H
Kan Barn

Analytical Laboratory Name: STL WEST SACRAMENTO
Analytical Laboratory Address: 180 RIVERSIDE PKWY, WEST SACRAMENTO, CA 95605
Field Logbook/Page Number: FL-032 - EDC12-01, pg 35

Pay Items/ Analyses Required

Preservation (4°C)

NONE | 7.25 PAK -5210C SIM

TAT (in days): 2 | 7 | (14) | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
** C032C 481	5-20-02/1507	EDC-1231	SOIL	1		01	0-6"
** C032C 482	5-20-02/1509	EDC-1231	SOIL	1		01	6-24"
** C032C 483	5-20-02/1517	EDC-1231	SOIL	1		01	24-48"
** C032C 484 481	5-20-02/1524	EDC-1231	SOIL	1		01	48-96"
	5-20-02		SOIL				
	5-20-02		SOIL				
	5-20-02		SOIL				
	5-20-02		SOIL				

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEC	FEDEX	5-20-02	1800	SHIP TO LAB
		5-21-02	0920	

Comments/Instructions: FOLLOW BEC SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 790424115295
Total No. of Containers: 4
Total No. of Coolers Shipped: 1
Lab Receipt Cooler Temp.:

C032CF02
C032CR011

T=3
SDG - G2E210158

MAY 21 2002 8:41AM HP LASERJET 3200

BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

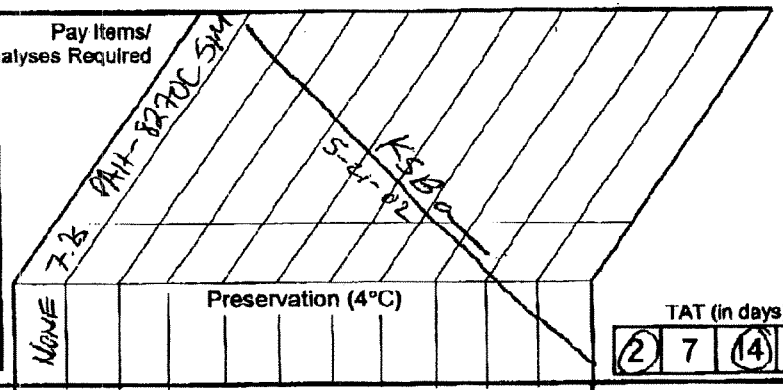
20616

Site Name: EDC-12
CTO Number: 832
Site Contact/Supervisor: J. JORDAN

Sampler(s): K. BARNES / T. HAUSER
Signature(s): T>H
KBa

Analytical Laboratory Name: COLUMBIA
Analytical Laboratory Address: 1317 S. 13th Ave Kelso, WA
Field Logbook/Page Number: FL-032-EDC12-01 / PG 38, 36

Pay Items/ Analyses Required



TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C485	5-21-02/0834	EDC-1232	SOIL	1		01	0-6"
C032C486	5-21-02/0837	EDC-1232	SOIL	1		01	6-24"
C032C487	5-21-02/0841	EDC-1232	SOIL	1		01	24-48"
C032C488	5-21-02/0856	EDC-1232	SOIL	1		01	48-96"
C032C353	5-21-02/1023	EDC-1202	SOIL	1		01	0-6"
C032C354	5-21-02/1025	EDC-1202	SOIL	1		01	6-24"
C032C355	5-21-02/1031	EDC-1202	SOIL	1		01	24-48"
C032C356	5-21-02/1040	EDC-1202	SOIL	1		01	48-96"

KSB 5-21-02 KSB 5-21-02 KSB 5-21-02

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-21-02	1730	SHIP TO LAB

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7918-4365-7677
Total No. of Containers: 8
Total No. of Coolers Shipped: 1

C032CF02
C032CR12
C032CR13

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MAY 21 2002 6:58PM HP LASERJET 3200

P.7

BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20614

Site Name: EDC-12
CTO Number: 032
Site Contact/Supervisor: JJORDAN

Sampler(s): K. BARNES/T. HAUSER
Signature(s): T. Hauser
K Barnes

Analytical Laboratory Name: COLUMBIA
Analytical Laboratory Address: 1317 S. 13th Ave Kelso, WA
Field Logbook/Page Number: FL-032-EDC12-01 / Pg. 03 KSB 41, 40

Pay Items/ Analyses Required

Preservation (4°C): NONE; 7.25 PAH - 8270C SIM; TCLP VOA - 8260B; TCLP SVOA - 8270C

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C366	5-21-02/1251	EDC-1205	SOIL	1		01	0-6"
C032C367	5-21-02/1253	EDC-1205	SOIL	1		01	6-24"
C032C368	5-21-02/1303	EDC-1205	SOIL	1		01	24-48"
C032C369	5-21-02/1316	EDC-1205	SOIL	1		01	48-96"
C032C370	5-21-02/1317	EDC-1205	SOIL	1		01	48-96" FD
C032C406	5-21-02/1421	EDC-1214	SOIL	1		01	0-6"
C032C407	5-21-02/1424	EDC-1214	SOIL	1		01	6-24"
C032C408	5-21-02/1435	EDC-1214	SOIL	1		01	24-48"
C032C409	5/21/02/1443	EDC-1214	SOIL	1		01	46-96"

KB 5-21-02 KB 5-21-02 KB 5-21-02

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
THAUSER/BEI	FEDEX	5-21-02	1730	SHIP TO LAB

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS.

Method of Shipment: FEDEX
Airbill No.: 7918-4365-7677
Total No. of Coolers Shipped: 1
Total No. of Containers: 9
Lab Temp:
Cooler Temp:

C032CF02
C032CR12
C032CR13

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MAY 21 2002 6:58PM HP LASERJET 3200 P.6

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20617

Site Name: EDC-12
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): KBarnes / T. Hauser
Signature(s): T. H / K. Ba

Analytical Laboratory Name: STL
Analytical Laboratory Address: 880 RIVERSIDE PKWY, WEST SACRAMENTO
Field Logbook/Page Number: FL-032-EDC12-01 / PG. ~~03~~ KSB 43, 42

Pay Items/ Analyses Required: 7,25 PAH - 8270C SIM; TPH-G; TPH-D

Preservation (4°C): NONE

TAT (in days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C441	5-21-02/1343	EDC-1222	SOIL	1		01	0-6"
C032C442	5-21-02/1345	EDC-1222	SOIL	1		01	6-24"
C032C443	5-21-02/1349	EDC-1222	SOIL	1		01	24-48"
C032C444	5/21/02/1400	EDC-1222	SOIL	1		01	48-96"
C032C371	5-21-02/1512	EDC-1206	SOIL	1		01	0-6"
C032C372	5-21-02/1513	EDC-1206	SOIL	1		01	6-24"
C032C373	5-21-02/1517	EDC-1206	SOIL	1		01	24-48"
C032C374	5-21-02/1536	EDC-1206	SOIL	1		01	48-96"
K Ba 5-21-02		KB 5-21-02			KB 5-21-02		K Ba 5-21-02

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-21-02	~~1730~~	SHIP TO LAB
		5-22-02	0935	

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT J. JORDAN w/ QUESTIONS

Method of Shipment: ~~FedEx~~
Airbill No.: 7904-2580-3025
Total No. of Containers: 8
Total No. of Coolers Shipped: 1
Lab Seal:
Cooler Temp.:

C032CF02
C032CR12
C032CR13

T=2
SDG - G2E220168

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MAY 21 2002 7:00PM HP LASERJET 3200

P.14

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20639

Site Name: EDC-12
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HOUSER / K. BARNES
Signature(s): T-H
KB

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4203 W. Swift, Fresno, CA 93722
Field Logbook/Page Number: FL-032-EDC12-01, pg 44, 48

Pay Items/ Analyses Required

Preservation (4°C)

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C410	5-22-02 / 0840	EDC-1215	SOIL	1		01	0-6"
C032C411	5-22-02 / 0844	EDC-1215	SOIL	1		01	6-24"
C032C412	5-22-02 / 0852	EDC-1215	SOIL	1		01	24-48"
C032C413	5-22-02 / 0856	EDC-1215	SOIL	1		01	48-96"
C032C414	5-22-02 / 0857	EDC-1215	SOIL	1		01	48-96" FD
C032C454	5-22-02 / 1112	EDC-1225	SOIL	1		01	0-6"
C032C455	5-22-02 / 1116	EDC-1225	SOIL	1		01	6-24"
C032C456	5-22-02 / 1124	EDC-1225	SOIL	1		01	24-48"
C032C457	5-22-02 / 1129	EDC-1225	SOIL	1		01	48-96"
C032C458	5-22-02 / 1130	EDC-1225	SOIL	1		01	48-96" FD

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HOUSER / BEI	FEDEX	5-22-02	1730	SHIP TO LAB

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7904-2747-1010
Total No. of Containers: 10
Total No. of Coolers Shipped: 1
Lab Rec'd:
Cooler Temp.:

C032CFB2
C032CR15
C032CR164

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MAY 22 2002 6:54PM HP LASERJET 3200 P.14

CLEAN 5/23/02 JW

CHAIN-OF-CUSTODY RECORD

2063

e Name: EDC-5/12
'O Number: 032
e Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s): T. H
KB

alytical Laboratory Name: STL
alytical Laboratory Address: 5880 Riverside Pkwy W. Sacramento CA
eld Logbook/Page Number: FL-032-EDC12-01
pg. 46, 45

Pay Items/ Analyses Required: TPH 8270C SIM; TPH 8015C; Preservation (4°C): NONE

TAT (in days): 2 | 7 | 14 | 30

ample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
032C445	5-22-02/0934	EDC-1223	SOIL	1		01	0-6"
032C446	5-22-02/0937	EDC-1223	SOIL	1		01	6-24"
032C448	5-22-02/0944	EDC-1223	SOIL	1		01	24-48"
032C449	5-22-02/0950	EDC-1223	SOIL	1		01	48-96"
032C447	5-22-02/0951	EDC-1223	SOIL	1		01	48-96" FD
032C415	5-22-02/1450	EDC-1216	SOIL	1		01	0-6"
032C416	5-22-02/1454	EDC-1216	SOIL	1		01	6-24"
032C417	5-22-02/1457	EDC-1216	SOIL	1		01	24-48"
032C418	5-22-02/1502	EDC-1216	SOIL	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer	Comments/Instructions:
T. HAUSER/BEI	FEDEX	5-22-02	1600	SHIP TO LAB	FOLLOW BEI SOW FOR LAB ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS
~~T. H BEI~~					
					Method of Shipment: FEDEX; Total No. of Coolers Shipped: 1
					Airbill No.: 791444511574
					Total No. of Containers: 9; Lab SDG: ; Cooler Temp.:

C032CF02
C032CR15
C032CR164 std
C032CR114

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MAY 22 2002 6:52PM HP LASERJET 3200 P.8

20640

CHAIN-OF-CUSTODY RECORD

CLEAN

Site Name: EDC-12
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s): T-H
KB

Analytical Laboratory Name: COLUMBIA
Analytical Laboratory Address: 1317 South 13th Ave, Kelso, WA, 98626
Field Logbook/Page Number: FL-032-EDC-12-01
pg. 49, 47

Pay Items/ Analyses Required

Preservation (4°C)

NONE	7.35	0AH-8270C SIM	Hg

TAT (in days): 2 | 7 | (14) | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C450	5-22-02/1025	EDC-1224	SOIL	1		01	0-6"
C032C451	5-22-02/1027	EDC-1224	SOIL	1		01	6-24"
C032C452	5-22-02/1033	EDC-1224	SOIL	1		01	24-48"
C032C453	5-22-02/1039	EDC-1224	SOIL	1		01	48-96"
C032C454	5-22-02/1344	EDC-1217	SOIL	1		01	0-6"
C032C455	5-22-02/1347	EDC-1217	SOIL	1		01	6-24"
C032C456	5-22-02/1350	EDC-1217	SOIL	1		01	24-48"
C032C457	5-22-02/1403	EDC-1217	SOIL	1		01	48-96"
		FSH					

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-22-02	1730	SHIP TO LAB

Comments/Instructions:
FOLLOW BEI SOW FOR ANALYSIS CONTACT J. JORDAN w/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7904-2745-6009
Total No. of Containers: 8
Total No. of Coolers Shipped: 1
Lab Sample Receipt

C032CF02
C032CR15
C032CR1[illegible], stet

MAY 23 2002 8:18AM HP LASERJET 3200

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BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20647

Site Name: EDC-12/3
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s):

Pay Items/ Analyses Required

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4203 WEST SWIFT FRESNO, CA 93722
Field Logbook/Page Number:

Preservation (4°C): None; 2.25 PART BY SM; 5-23-02

TAT (In days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
032CR164	5-23-02 1530	FQC	Water	2		02	RINSATE
				D			

5-23-02

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER/ BEC	FEDEX	5-23-02	1730	SHIP TO LAB

Comments/Instructions: FOLLOW BEC SOW FOR ANALYSIS. CONTACT T. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7920 4012 0101
Total No. of Containers: 1
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp.:

CB32CF02

MAY 24 2002 3:14PM HP LASERJET 3200

CLEAN

CHAIN-OF-CUSTODY RECORD

20664

Site Name: EDC-12
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HOUSER / K. BARNES
Signature(s):

Analytical Laboratory Name: COLUMBIA
Analytical Laboratory Address: 1317 SOUTH 13th AVE, KELSO, WA. 98626
Field Logbook/Page Number: FL-032-EDC12-02 p 21

Pay Items/ Analyses Required

Preservation (4°C): NONE | 7.25 PAH | 8270C SIM | 5-23

TAT (In days): (2) | 7 | (14) | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C463	5-23-02 / 0833	EDC-1227	SOIL	1		01	0-6"
C032C464	5-23-02 / 0836	EDC-1227	SOIL	1		01	6-24"
C032C465	5-23-02 / 0851	EDC-1227	SOIL	1		01	24-48" ~~24-36"~~
C032C466	5-23-02 / 0858	EDC-1227	SOIL	1		01	48-96"
		~~EDC-322~~	SOIL				
			SOIL				
			SOIL				

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HOUSER / BEI	FEDEX	5-23-02	1730	SHIP TO LAB

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7911 9035 0096
Total No. of Containers: 4
Total No. of Coolers Shipped: 1
Lab Seal
Cooler Temp.:

C032CF02
C032CR17

MAY 24 2002 8:47AM HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20666

Site Name: EDC-12
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): T. HOUSER / K. BARNES
Signature(s):

Pay Items/ Analyses Required

Analytical Laboratory Name: STL WEST
Analytical Laboratory Address:
Field Logbook/Page Number: FL-032-EDC12-02, pg 22 pg 74

Preservation (4°C): NONE | 7.25 DAH-8260C SIM

TAT (In days): 2 | 7 | (14) | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C489	5-23-02/0936	EDC-1233	SOIL	1		01	0-6"
C032C490	5-23-02/0938	EDC-1233	SOIL	1		01	6-24"
C032C491	5-23-02/0939	EDC-1233	SOIL	1		01	6-24" FD
C032C492	5-23-02/0942	EDC-1233	SOIL	1		01	24-48"
C032C493	5-23-02/0948	EDC-1233	SOIL	1		01	48-96"
C032C388	5-23-02/1115	EDC-1210	SOIL	1		01	0-6"

5-23-02 5-23-02

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HOUSER/BEI	FEDEX	5-23-02	1730	SHIP TO LAB

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS CONTACT J. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: ~~7911 9035 0096~~ 7911 9045 8514
Total No. of Containers: 6
Total No. of Coolers Shipped: 1
Lab Rec'd Cooler Temp.:

C032CF02
C032CR17

MAY 24 2002 8:48AM HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20668

Site Name: EDC-12
CTO Number: 032
Site Contact/Supervisor: T JORDAN

Sampler(s): T. HAUSER / K. BARNES
Signature(s): [signature] KSBa

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4203 W. Swift, Fresno, CA
Field Logbook/Page Number: FL-032-EDC12-02 pg 23
pg 24

Pay Items/ Analyses Required: 7.25 PAH - 8270C SIM

Preservation (4°C): NONE

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)	
C032C423	5-23-02/1026	EDC-1218	SOIL	1		01	0-6"	
C032C424	5-23-02/1029	EDC-1218	SOIL	1		01	6-24"	
C032C425	5-23-02/1030	EDC-1218	SOIL	1		01	6-24"	FD
C032C426	5-23-02/1033	EDC-1218	SOIL	1		01	24-48"	
C032C427	5-23-02/1148	EDC-1218	SOIL	1		01	48-96"	
~~C032C388~~	5-23-02/1145	~~EDC-1210~~	SOIL	1	A 5-23-02	01	0-6"	See COC 20666
C032C389	5-23-02/1118	EDC-1210	SOIL	1		01	6-24"	
C032C390	5-23-02/1125	EDC-1210	SOIL	1		01	24-48"	
C032C391	5-23-02/1133	EDC-1210	SOIL	1		01	48-96"	
C032C392	5-23-02/1134	EDC-1210	SOIL	1		01	48-96	FD

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
T. HAUSER / BEI	FEDEX	5-23-02	1730	SHIP TO LAB

Comments/Instructions: FOLLOW BEI SOW FOR ANALYSIS. CONTACT T. JORDAN W/ QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7930 4012 0101
Total No. of Containers: 10
Total No. of Coolers Shipped: 1
Lab Name:
Cooler Temp.:

C032CF02
C032CR17

MAY 24 2002 8:45AM HP LASERJET 3200

BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

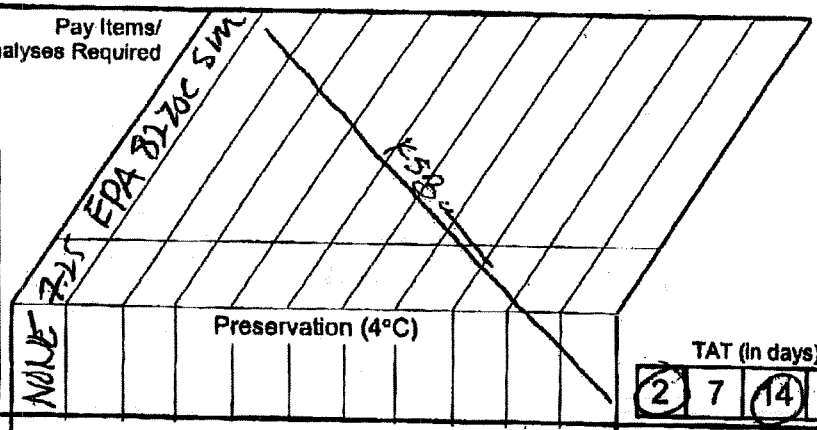
20692

Site Name: EDC-17
CTO Number: 032
Site Contact/Supervisor: E. Johansen

Sampler(s): T. Mote, K. Barnes
Signature(s): T. Mote, K. Barnes

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 South 13th Ave, Kelso WA 98626
Field Logbook/Page Number: FL-032-EDC17-01, pg 21

Pay Items/ Analyses Required



Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C498	5-29-02/1440	32 EDC-1701	SOIL	1		01	0-6"
C032C499	5-29-02/1442	32 EDC-1701	SOIL	1		01	6-24"
C032C500	5-29-02/1446	32 EDC-1701	SOIL	1		01	24-48"
C032C501	5-29-02/1450	32 EDC-1701	SOIL	1		01	48-96"

ESA

ESA

ESA

ESA

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
Tim Mote/Bechtel	S. Quayle/Kleinfelder	5/29/02		Ship to lab
S. Quayle/Kleinfelder	Fed Ex	5/29/02		Ship to lab

Comments/Instructions: Follow BN1800W for lab analysis
Contact J. Jordan w/ Questions

Method of Shipment: Fed Ex
Airbill No.: 7917 4950 1349
Total No. of Containers: 4
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp.:

C032CF02
C032CR20

CLEAN

CHAIN-OF-CUSTODY RECORD

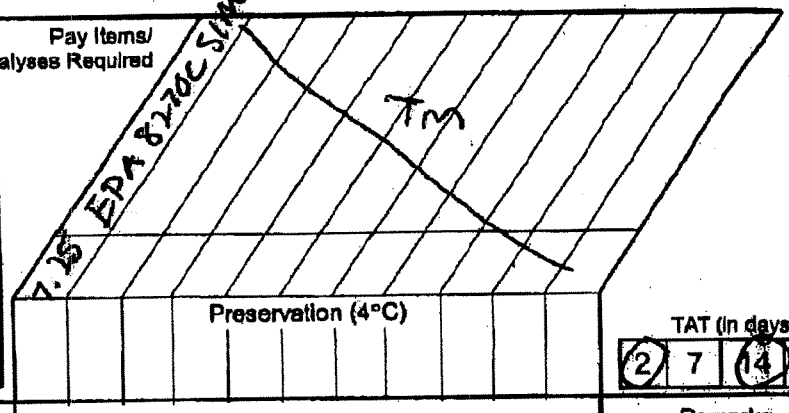
20693

Site Name: EDC-17
CTO Number: 032
Site Contact/Supervisor: E. Johansen

Sampler(s): B. Dickson, T. Mote
Signature(s): B. Dickson, TMote

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 South 13th Ave., Kelso, WA 98626
Field Logbook/Page Number: FL-032-EDC17-01 pg. 22 Pg 24

Pay Items/ Analyses Required



TAT (in days): 2 | 7 | (14) | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C502	5-30-02/0824	32EDC-1701/2	SOIL	1	TM	01	0-6"
C032C503	5-30-02/0825	32EDC-1701/2	SOIL	1		01	6-24"
C032C504	5-30-02/0826	32EDC-1701/2	SOIL	1		01	24-48"
C032C505	5-30-02/0841	32EDC-1701/2	SOIL	1		01	48-96"
C032C506	5-30-02/0851	32EDC-1703	SOIL	1		01	0-6"
C032C507	5-30-02/0851	32EDC-1703	SOIL	1		01	6-24"
C032C508	5-30-02/0851	32EDC-1703	SOIL	1		01	24-48" 6-24 FD
C032C509	5-30-02/0851	32EDC-1703	SOIL	1		01	48-96" 24-48
C032C510	5-30-02/1001	32EDC-1703	SOIL	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
TMat BEI	~~TM-BAS-EX~~ Remington	5/30/02	~~1600~~ 1500 TM	SHIP TO LAB

Comments/Instructions: FOLLOW BEI SOW FOR LAB ANALYSIS
CALL J. JORDAN W QUESTIONS

Method of Shipment: FEDEX
Airbill No.: 7918-5056-3156
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
~~Lab~~ SDG:
Cooler Temp:

C032CF02
C032CR21

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MAY 31 2002 8:43AM HP LASERJET 3200 P.2

CLEAN

CHAIN-OF-CUSTODY RECORD

20736

Site Name: EDC - 17
CTO Number: 032
Site Contact/Supervisor: E. Johanson

Sampler(s): T. Mote, B. Dickson
Signature(s): TM, B. Dickson

Pay Items/ Analyses Required: TM; 7.25 EPA 8270C SIM

Analytical Laboratory Name: STL West.
Analytical Laboratory Address: 880 RIVERSIDE PARKWAY, WEST SAC CA 95605
Field Logbook/Page Number: FL-032-EDC17-01, pg 23, pg 25

Preservation (4°C): None

TAT (in days): (7) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CS11	5-30-02/0916	32EDC-1704	SOIL	1		01	0-6"
C032CS12	5-30-02/0917		SOIL	1		01	6-24"
C032CS13	"/0922		SOIL	1		01	24-48"
C032CS14	"/0929		SOIL	1		01	48-96"
C032CS15	5-30-02/1035	32EDC-1705	SOIL	1		01	0-6"
C032CS16	5-30-02/1036		SOIL	1		01	6-24"
C032CS17	5-30-02/1043	Dup 1052	SOIL	1		01	24-48"
C032CS18	5-30-02/1051		SOIL	1		01	48-96"
C032CS19	5-30-02/1051		SOIL	1		01	* 48-96" FD 80

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
TM BEI	BET FedEx Ron Fiscus BC	5/30/02	1600 SM 1500	Ship to lab

Comments/Instructions: Follow BET SOW for Lab Analysis
Call J. Jordan w/Question

Method of Shipment: FEDEX
Airbill No.: 7118-5056-8044
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab SOG
Cooler Temp.:

C032CF02
C032CR21

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MAY 31 2002 8:16AM HP LASERJET 3200 p.7

BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20737

Site Name: EDC-17
CTO Number: 032
Site Contact/Supervisor: E. Johansen

Sampler(s): B. Dickson, T. Mott
Signature(s): B. Dickson, TMott

Pay Items/ Analyses Required

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 South 13th Ave, Kelso, WA 98626
Field Logbook/Page Number: FL-032-EDC.17-01 pg 26

Preservation (4°C)

TAT (in days): 2 . 7 (14) 30

Sample ID No. (6 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C5240	5-30-02/1126	32EDC-1707	SOIL	1	SP	01	0-6"
C032C5250	5-30-02/1127	32EDC-1707	SOIL	1	SP	01	6-24"
C032C5260	5-30-02/1133	32EDC-1707	SOIL	1	SP	01	24-48"
C032C5270	5-30-02/1136	32EDC-1707	SOIL	1	SP	01	48-96"
						01	
						01	
						01	
						01	
						01	
						01	

TMA

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
TMA BEI	~~FED EX~~ FEDERAL EXPRESS	5/30/02	1600 1500 hrs	SHIP TO LAB
	FED EX			

Comments/Instructions:
FOLLOW BEI SOW FOR LAB ANALYSIS
CALL J. JORDAN W/ QUESTIONS

Method of Shipment: FED EX
Airbill No.: 7918-5056-3156
Total No. of Containers: 4
Total No. of Coolers Shipped: 1
Seal Nos.:
Cooler Temp.:

C032CF02
C032CR21

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DECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20738

Site Name: EDC-17
CTO Number: 0032
Site Contact/Supervisor: E. Johansen

Sampler(s): T. Mote, B Dickson
Signature(s): TMM
B. Dickson

Analytical Laboratory Name: STL West
Analytical Laboratory Address: 880 RIVERSIDE PARKWAY, WEST SAC CA 95605
Field Logbook/Page Number: FL-032-EDCF701, pg 27

Pay Items/ Analyses Required

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C520	5-30-02/1249	32EDC-1706	SOIL	1		01	0-6"
C032C521	5-30-02/1250	32EDC-1706	SOIL	1		01	6-24"
C032C522	5-30-02/1251	32EDC-1706	SOIL	1		01	24-48"
C032C523	5-30-02/1300	32EDC-1706	SOIL	1		01	48-96"

Preservation (4°C): None; 0.25 EPA 8270C SIM; TM

TAT (in days): 2 | 7 | 14 | 30

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
TMM BEI	FED EX RAMBRIDGE	5/30/02	1600 1500 TM	SHIP TO LAB

Comments/Instructions: FOLLOW BEI SOW FOR LAB ANALYSIS
CALL J. JORIAN @ QUESTION

Method of Shipment: FED EX
Airbill No.: 7918-5056-8044
Total No. of Containers: 4
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp.:

C032CF02
C032CR21

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CLEAN

CHAIN-OF-CUSTODY RECORD

20662

Site Name: EDC-5 17	Sampler(s): S. Quayle
CTO Number: 032	Signature(s):
Site Contact/Supervisor: J. Jordan	

Analytical Laboratory Name: Columbia

Analytical Laboratory Address: 1317 South 13th Ave, Kelso, WA 98626

Field Logbook/Page Number: FL-032-EDC17-01; Page 28

Pay Items/ Analyses Required

Preservation (4°C): None

TAT (In days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C533	5-31-02 / 1425	32EDC-1709	Soil	1		01	0-6"
C032C534	5-31-02 / 1430	32EDC-1709	Soil	1		01	6-24" MS/MSD
C032C535	5-31-02 / 1435	32EDC-1709	Soil	1		01	24-48"
C032C536	5-31-02 / 1440	32EDC-1709	Soil	1		01	48-96"
C032C537	5-31-02 / 1445	32EDC-1709	Soil	1		01	~~24~~ 48-96" FD

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
S. Quayle / Kleinfelder	E. Johansen / BEI	5-31-02	1700	Ship to lab
E. Johansen / BEI	Fed Ex	5-31-02	1800	Ship to lab

Comments/Instructions: Follow BNI SOPs for lab analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Ex

Airbill No.: 7918 5177 3950

Total No. of Containers: 5

Total No. of Coolers Shipped: 1

Lab SDG:

Cooler Temp:

C032CF02
C032CR22

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BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20663

Site Name: EDC-17
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): S. Quayle
Signature(s): Stephen Quayle

Analytical Laboratory Name: STL W. Sacramento
Analytical Laboratory Address: 880 Riverside Pkwy, W. Sacramento, CA 95605
Field Logbook/Page Number: FL-032-EDC17-01, Page 29

Pay Items/ Analyses Required: 7125, DAH by SIM, 5030

Preservation (4°C)

TAT (In days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C528	5-31-02/1510	32EDC-1708	Soil	1		01	0-6"
C032C529	5-31-02/1515	32EDC-1708	Soil	1		01	6-24"
C032C530	5-31-02/1520	32EDC-1708	Soil	1		01	FD 6-24"
C032C531	5-31-02/1525	32EDC-1708	Soil	1		01	24-48"
C032C532	5-31-02/1550	32EDC-1708	Soil	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
S. Quayle/Meinfelder	C. Johansen/BEI	5-31-02	1700	Ship to lab
C. Johansen/BEI	Fed Ex	5-31-02	1800	Ship to lab

Comments/Instructions: Follow BAH SOW for lab analysis. Call J. Jordan w/questions.

Method of Shipment: FedEx
Airbill No.: 7904-3728-6350
Total No. of Containers: 5
Total No. of Coolers Shipped: 1
Lab Use Only: Custody Seals / Cooler Temp.

C032CF02
C032CR22

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CLEAN

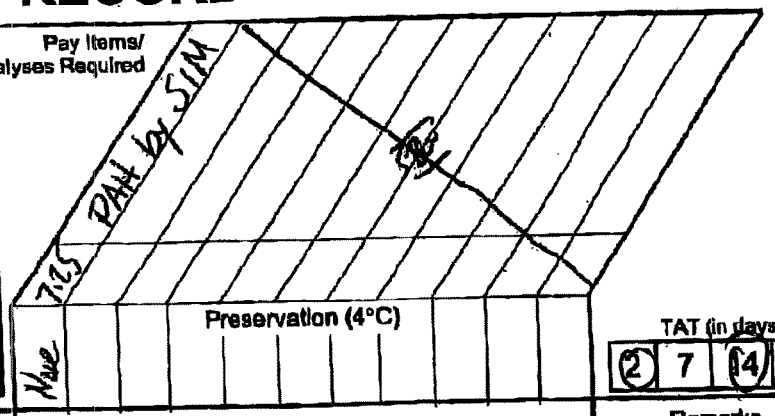
CHAIN-OF-CUSTODY RECORD

20713

Site Name: EDC-21
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): S. Quayle
Signature(s):

Pay Items/ Analyses Required



Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 South 13th Ave, Kelso, WA 98626
Field Logbook/Page Number: FL-032-EDC21-01
Page: 21 and 23.

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C546	5-29-02/945	32EDC-2103	Soil	1		01	0-6"
C032C547	5-29-02/950	32EDC-2103	Soil	1		01	6-24"
C032C548	5-29-02/955	32EDC-2103	Soil	1		01	6-24" FD
C032C549	5-29-02/1000	32EDC-2103	Soil	1		01	24-48"
C032C550	5-29-02/1005	32EDC-2103	Soil	1		01	48-96" MS/MSD
C032C538	5-29-02/1150	32EDC-2101	Soil	1		01	0-6"
C032C539	5-29-02/1200	~~32EDC-2101~~ 32EDC-2102	Soil	1		01	6-24"
C032C540	5-29-02/1205	32EDC-2101	Soil	1		01	24-48" MS/MSD
C032C541	5-29-02/1210	32EDC-2101	Soil	1		01	48-96"
		SBV					

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
S. Quayle/Kleinfelder	FedEx	5-29-02	1800	Ship to lab

Comments/Instructions: Follow BW1 SOW for lab analysis, Call J. Jordan w/ questions.

Method of Shipment: FedEx
Airbill No.: 7905-3454-2444
Total No. of Containers: 9
Total No. of Coolers Shipped: 1

C032CF02
C032CR2F

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BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20714

Site Name: EDC-21
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): S. Quayle
Signature(s): S. Quayle

Analytical Laboratory Name: STL West Sacramento
Analytical Laboratory Address: 880 Riverside Pkwy, W. Sacramento, CA 95605
Field Logbook/Page Number: FL-032-EDC21-01
Page: 21, 22 and 24.

Pay Items/ Analyses Required: 7125 DAH by SIM; None

Preservation (4°C)

TAT (in days): (2) | 7 | (14) | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C542	5-29-02 / 1110	32EDC-2102	Soil	1		01	0-6"
C032C543	5-29-02 / 1115	32EDC-2102	Soil	1		01	6-24"
C032C544	5-29-02 / 1120	32EDC-2102	Soil	1		01	24-48"
C032C545	5-29-02 / 1125	32EDC-2102	Soil	1		01	48-96"
C032C555	5-29-02 / 1335	32EDC-2105	Soil	1		01	0-6"
C032C556	5-29-02 / 1340	32EDC-2105	Soil	1		01	6-24"
~~C032C557~~	~~5-29-02 / 1345~~	~~32EDC-2105~~	~~Soil~~	~~1~~		~~01~~	~~24-48"~~
~~C032C558~~	~~5-29-02 / 1350~~	~~32EDC-2105~~	~~Soil~~	~~1~~		~~01~~	~~48-96"~~
~~C032C559~~	~~5-29-02 / 1355~~	~~32EDC-2105~~	~~Soil~~	~~1~~		~~01~~	~~48-96"~~

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
S. Quayle / Kleinfelder	Fed Ex	5-29-02	1800	Ship to Lab

Comments/Instructions: Follow BNI SOW for lab analysis. Call J. Jordan w/ questions

Method of Shipment: Fed Ex
Airbill No.: 7920-4279-6907
Total No. of Containers: 6
Total No. of Coolers Shipped: 1
Lab Sig.
Cooler Temp.:

C032CF02
C032CR24

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20716

Site Name: EDC-21
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): S. Quayle
Signature(s): S. Quayle

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 South 13th Ave, Kelso, WA 98626
Field Logbook/Page Number: FL-032-EDC21-01
Page: 25

Pay Items/ Analyses Required: PAH by SIM; 7.25; above; Preservation (4°C)

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C551	5-29-02 / 1430	32EDC-2104	Soil	1		01	0-6" MS/MSD
C032C552	5-29-02 / 1435	32EDC-2104	Soil	1		01	6-24"
C032C553	5-29-02 / 1440	32EDC-2104	Soil	1		01	24-48"
~~C032C554~~	~~5-29-02 / 1445~~	~~32EDC-2104~~	~~Soil~~	~~1~~		~~01~~ 500	~~48-96"~~

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
S. Quayle/KLEINFELDER	~~FEX~~ FEDEX	5-29-02	1800	Ship to Lab

Comments/Instructions: Follow BNI SOW for Lab analysis. Call J. Jordan. w/ questions

Method of Shipment: FedEx
Airbill No.: 7905-3454-2444
Total No. of Containers: 3
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp.:

C032CF02
C032CR24

MAY 30 2002 8:15AM HP LASERJET 3200

DECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20715

Site Name: EDC-21
CTO Number: 032
Site Contact/Supervisor: J. JORDAN

Sampler(s): S. QUAYLE
Signature(s): S. Quayle

Analytical Laboratory Name: STL West Sacramento
Analytical Laboratory Address: 880 Riverside Pkwy, W. Sacramento, CA 95605
Field Logbook/Page Number: FL-032-EDC21-01
Page: 26

Pay Items/ Analyses Required: 7.25 PAH by SIM; 2.25 PAH by SIM; SVOC

Preservation (4°C): None; None

TAT (In days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C564	5-29-02 / 1540	32EDC-2107	Soil	1		01	0-6" MS/MSD
C032C565	5-29-02 / 1545	32EBC-2107	Soil	1		01	6-24"
C032C566	5-29-02 / 1550	32EBC-2107	Soil	1		01	24-48"
C032C567	5-29-02 / 1555	32EBC-2107	Soil	1		01	48-96"
C032CR20	5-29-02 / 1611	FQC	Water	2		01 (also SVOC) 02	Rinsate

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
S. QUAYLE / KLEINFELDER	FEDEX	5-29-02	1800	Ship to Lab

Comments/Instructions: Follow BNI SOW for lab analysis
Call J. Jordan w/ questions

Method of Shipment: FED EX
Airbill No.: 7920-4279-6907
Total No. of Containers: 4
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp:

C032CF02
C032CR20

DECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20689

Site Name: EDC-21
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): S. Quayle / J. Zeller
Signature(s): S. Quayle / J. Zeller

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 SOUTH 13th AVE., KELSO, WA. 98626
Field Logbook/Page Number: EL-032-EDC 21-01
Pages: 27 and 30

Pay Items/ Analyses Required: 8082; PAH by SIM; 7425; None

Preservation (4°C)

TAT (In days): (2) 7 (4) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C560	5-30-02/0840	32EDC-2106	Soil	1	8082	01	0-6"
C032C561	5-30-02/0845	32EDC-2106	Soil	1		01	6-24"
C032C562	5-30-02/0850	32EDC-2106	Soil	1		01	24-48"
C032C563	5-30-02/0855	32EDC-2106	Soil	1	SIM	01	~~48-96"~~
C032C573	6-30-02/1105	32EDC-2109	Soil	1	8082	01	0-6"
C032C574	5-30-02/1110	32EDC-2109	Soil	1		01	6-24"
C032C575	6-30-02/1115	32EDC-2109	Soil	1		01	24-48"
C032C576	5-30-02/1120	32EDC-2109	Soil	1	SIM	01	48-96"
					8082		8082

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
S. Quayle / Kleinfelder	Fed Ex / BC	5-30-02	1500	Ship to lab
R. Pliden / BC	Fed Ex	5-30-02	1600	Ship to lab

Comments/Instructions: Follow BNI SOW for lab analysis. Call J. Jordan w/ questions.

Method of Shipment: FedEx
Airbill No.: 7918 5055 9028
Total No. of Containers: 7
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp.:

C032CR02
C032CR21

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BECHTEL CLEAN

CHAIN-OF-CUSTODY RECORD

20684

Site Name: EDC-21
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): S. Quayle / J. Sala
Signature(s): S. Quayle / Jeffrey D. Sala

Analytical Laboratory Name: STL West Sacramento
Analytical Laboratory Address: 880 RIVERSIDE Parkway, West Sacramento CA. 95605
Field Logbook/Page Number: FL-032-EDC21-01
Page: 28 and 31

Pay Items/ Analyses Required: 7125 PAH by SIM; 303

Preservation (4°C): None

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C568	5-30-02 / 0925	32EDC-2108	Soil	1		01	0-6"
C032C569	5-30-02 / 0930	32EDC-2108	Soil	1		01	6-24"
C032C570	5-30-02 / 0935	32EDC-2108	Soil	1		01	6-24" MS/MSD FD
C032C571	5-30-02 / 0940	32EDC-2108	Soil	1		01	24-48
C032C572	5-30-02 / 0945	32EDC-2108	Soil	1		01	48-96"
C032C582	5-30-02 / 1155	32EDC-2111	Soil	1		01	0-6"
C032C583	5-30-02 / 1200	32EDC-2111	Soil	1		01	6-24"
C032C584	5-30-02 / 1205	32EDC-2111	Soil	1		01	24-48"
~~C032C585~~	~~5-30-02 / 1210~~	~~32EDC-2111~~	Soil	1		01	~~48-96"~~
		902					48-96" 902

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
J. Sala / Kleinfelder	Fed Ex / BC	5-30-02	1500	Ship to lab
S. Quayle / BC	FED EX	5-30-02	1600	Ship to lab

Comments/Instructions: Follow BNI SOW for lab analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Ex
Airbill No.: 7927 2905 7100
Total No. of Containers: 8
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp:

C032CF02
C032CR21

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MAY 31 2002 8:15AM HP LASERJET 3200 P.4

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

Site Name: EDC-21
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): S. Quayle / J. Snyder
Signature(s): Jeffrey A. Snyder

Analytical Laboratory Name: Appl
Analytical Laboratory Address: 4203 West Swift, Fresno, CA. 93722
Field Logbook/Page Number: FL-032-EDC.21-01
Page: 29 and 32

Pay Items/ Analyses Required: 8082 PAH by SIM 7.25

Preservation (4°C): None

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C577	5-30-02 / 1015	32EDC-2110	Soil	1	8082	01	0-6"
C032C578	5-30-02 / 1020	32EDC-2110	Soil	1		01	6-24"
C032C579	5-30-02 / 1025	32EDC-2110	Soil	1		01	24-48"
C032C580	5-30-02 / 1030	32EDC-2110	Soil	1		01	48-96"
C032C581	5-30-02 / 1035	32EDC-2110	Soil	1		01	48-96" FD
C032C586	5-30-02 / 1315	32EDC-2112	Soil	1		01	0-6"
C032C587	5-30-02 / 1320	32EDC-2112	Soil	1		01	6-24"
C032C588	5-30-02 / 1325	32EDC-2112	Soil	1		01	24-48"
C032C589	5-30-02 / 1330	32EDC-2112	Soil	1		01	48-96"
C032C590	5-30-02 / 1335	32EDC-2112	Soil	1		01	48-96" FD

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
S. Quayle / Meinfelder BC	FedEx / BC	5-30-02	1500	Ship to lab
BC	FED EX	5-30-02	1600	ship to lab

Comments/Instructions: Follow BN1 SOW for lab analysis. Call J. Jordan w/ question.

Method of Shipment: FedEx
Airbill No.: 7904 3553 0786
Total No. of Containers: 10
Total No. of Coolers Shipped: 1
Lab Shipped:
Cooler Temp.:

C032CF02
C032CK21

MAY 31 2002 8:15AM HP LASERJET 3200 P.2

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20681

Site Name: ~~FED-1A~~ SDG PBC-1A
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): S. Quayle
Signature(s):

Analytical Laboratory Name: STL W. Sacramento
Analytical Laboratory Address: 880 Riverside Pkwy, W. Sacramento, CA 95605
Field Logbook/Page Number: FL-032 - ~~FED1A-03~~ PBC1A-01, Page 21 and ~~24~~ 23 SDG

Pay Items/ Analyses Required: 7.25 PAH by SIM

Preservation (4°C): None

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C705	5/24/02 1250	32PBC-1A03	Soil	1		01	0-6"
C032C706	5-24-02 1255	32PBC-1A03	Soil	1		01	6-24"
C032C707	5-24-02 1300	32PBC-1A03	Soil	1		01	6-24" FD
C032C708	5-24-02 1305	32PBC-1A03	Soil	1		01	24-48"
C032C709	5-24-02 1310	32PBC-1A03	Soil	1		01	48-96"
C032C701	5-24-02 1405	32PBC-1A02	Soil	1		01	0-6"
C032C702	5-24-02 1410	32PBC-1A02	Soil	1		01	6-24"
C032C703	5-24-02 1415	32PBC-1A02	Soil	1		01	24-48"
C032C704	5-24-02 1420	32PBC-1A02	Soil	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
S. Quayle / Kleinfelder	T. Hauser / Bechtel	5-24-02	1530	ship to lab.
T. Hauser / Bechtel	FedEx	5-24-02	1730	ship to lab.

Comments/Instructions: Follow BAI SOW lab analysis. Call J. Jordan w/ questions.

Method of Shipment: FedEx
Airbill No.: 7904-3072-7213
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp:

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C032CF02
C032CR28

MAY 28 2002 9:21AM HP LASERJET 3200 P.10

CLEAN

CHAIN-OF-CUSTODY RECORD

20680

Site Name: ~~FED-1A~~ PBC-1A
TO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): S. Quayle
Signature(s): Stephen B. Quayle

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 South 13th Ave, Kelso, WA 98626
Field Logbook/Page Number: FL-032 - ~~FED1A-03~~ PBC1A-01, Page ~~28~~ 24

Pay Items/ Analyses Required: 7125 PAH by SIM; SIM

Preservation (4°C): None

TAT (In days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C697	5-24-02 1435	32PBC-1A01	Soil	1		01	0-6"
C032C698	5-24-02 1445	32PBC-1A01	Soil	1		01	6-24"
C032C699	5-24-02 1455	32PBC-1A01	Soil	1		01	24-48"
C032C700	5-24-02 1505	32PBC-1A01	Soil	1		01	49-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer	Comments/Instructions:
S. Quayle / K. Kleinfelder	T. Hauser / Bechtel	5-24-02	1530	Ship to lab	Follow BNI SOW lab analysis.
T. Hauser / Bechtel	FedEx	5-24-02	1730	Ship to lab	Call J. Jordan w/ questions.

Method of Shipment: FedEx
Airbill No.: 7920-4093-1030
Total No. of Containers: 4
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp.:

C032CF02
C032CR18

MAY 28 2002 9:18AM HP LASERJET 3200 P.2

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20732

Site Name: PBC-1A
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): S. Quayle
Signature(s): S. B. Quayle

Analytical Laboratory Name: Columbia
Analytical Laboratory Address: 1317 South 13th Ave, Kelso, WA 98626
Field Logbook/Page Number: EL-032-PBC1A-01
Pages: 26, and 29

Pay Items/ Analyses Required: PAHs by SIM; 7:25; Preservation (4°C); None

TAT (In days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C710	5-28-02/1105	32PBC-1A04	Soil	1		01	0-6"
C032C711	5-28-02/0910	32PBC-1A04	Soil	1		01	6-24"
C032C712	5-28-02/0915	32PBC-1A04	Soil	1		01	24-48"
C032C713	5-28-02/0920	32PBC-1A04	Soil	1		01	48"-96"
C032C723	5-28-02/1115	32PBC-1A07	Soil	1		01	0-6"
C032C724	5-28-02/1120	32PBC-1A07	Soil	1		01	6-24"
C032C725	5-28-02/1125	32PBC-1A07	Soil	1		01	24-48"
C032C726	5-28-02/1130	32PBC-1A07	Soil	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
S. Quayle/Kleinfelder	Fed Ex	5-28-02	1800	Ship to lab

Comments/Instructions: Follow BNI SOW for lab analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Ex
Airbill No.: 7920-4188-0396
Total No. of Containers: 8
Total No. of Coolers Shipped: 1
Lab Use: Cooler Temp.:

C032CF02
C032CR19

MAY 29 2002 8:21AM HP LASERJET 3200

CLEAN

CHAIN-OF-CUSTODY RECORD

20734

Site Name: PBC-1A
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): S. Quayle
Signature(s): Stephen B. Quayle

Analytical Laboratory Name: STL W. Sacramento
Analytical Laboratory Address: 880 Riverside Pkwy, W. Sacramento, CA 95605
Field Logbook/Page Number: FL-032-PBC1A-01
Pages: 27, and 30

Pay Items/ Analyses Required

Preservation (4°C): None; 7.25 PAH by SIM

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C714	5-28-02/1005	32PBC-1A05	Soil	1		01	0-6"
C032C715	5-28-02/1010	32PBC-1A05	Soil	1		01	6-24"
C032C716	5-28-02/1015	32PBC-1A05	Soil	1		01	24-48"
C032C717	5-28-02/1020	32PBC-1A05	Soil	1		01	48-96"
C032C718	5-28-02/1025	32PBC-1A05	Soil	1		01	48-96" FD
C032C727	5-28-02/1315	32PBC-1A08	Soil	1		01	0-6"
C032C728	5-28-02/1320	32PBC-1A08	Soil	1		01	6-24"
C032C729	5-28-02/1325	32PBC-1A08	Soil	1		01	6-24" FD
SBD C032C730	5-28-02/1330	32PBC-1A08	Soil	1		01	~~24-48"~~ SBD
C032C731	5-28-02/1335	32PBC-1A08	Soil	1		01	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
S. Quayle/Kleinfelder	Fed Ex	5-28-02	1800	Ship to lab

Comments/Instructions: Follow BNI SOW for lab analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Ex
Airbill No.: 7918-4828-3138
Total No. of Containers: 9
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp:

C032CF02
C032CR19

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MAY 29 2002 8:23AM HP LASERJET 3200

BECHTEL **CLEAN**

CHAIN-OF-CUSTODY RECORD

20731

Site Name: PBC-1A
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): S. Quayle
Signature(s): S. Quayle

Analytical Laboratory Name: Appl
Analytical Laboratory Address: 4203 West Swift, Fresno, CA 93722
Field Logbook/Page Number: FL-032-PBC1A-01
Pages: 28, ad 31

Pay Items/ Analyses Required: 7.25 PAH by SIM; 8260; None

Preservation (4°C)

TAT (in days): (2) 7 (14) 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C719	5-28-02/1040	32PBC-1A06	Soil	1		01	0-6"
C032C720	5-28-02/1045	32PBC-1A06	Soil	1		01	6-24"
C032C721	5-28-02/1050	32PBC-1A06	Soil	1		01	24-48"
C032C722	5-28-02/1055	32PBC-1A06	Soil	1		01 SVOC	48-96"
C032C736	5-28-02/1405	32PBC-1A10	Soil	1		01	0-6"
C032C737	5-28-02/1410	32PBC-1A10	Soil	1		01	6-24"
C032C738	5-28-02/1415	32PBC-1A10	Soil	1		01	24-48"
C032C739	5-28-02/1420	32PBC-1A10	Soil	1		01	48-96"
C032C740	5-28-02/1425	32PBC-1A10	Soil	1		01 SVOC	48-96"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
S. Quayle/Kleinfelder	Fed Ex	5-28-02	1800	Ship to lab

Comments/Instructions: Follow BNI SOW for lab analysis. Call J. Jordan w/ question.

Method of Shipment: Fed Ex
Airbill No.: 7901-3367-1220
Total No. of Containers: 7
Total No. of Coolers Shipped: 1
Lab Seal:
Cooler Temp.:

C032CF02
C032CR19

CLEAN

CHAIN-OF-CUSTODY RECORD

20733

Site Name: PBC-1A
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): S. Quayle
Signature(s): S. Quayle

Analytical Laboratory Name: ~~Columbia~~ Appl
Analytical Laboratory Address: 4203 West Swift, Fresno, CA 93722
Field Logbook/Page Number: FL-032-PBC1A-01
Pages: 32

Pay Items/ Analyses Required: 8270 PAH by SIM; 5030

Preservation (4°C): None

TAT (in days): (2) 7 (14) 3

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C732	5-28-02/1505	32PBC-1A09	Soil	1		01	0-6"
C032C733	5-28-02/1510	32PBC-1A09	Soil	1		01	6-24"
C032C734	5-28-02/1515	32PBC-1A09	Soil	1		01	24-48"
C032C735	5-28-02/1520	32PBC-1A09	Soil	1		01	48-96"
C032C740	5-28-02/1525	32PBC-1A09	Soil	1		01	48-96" F

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
S. Quayle/Kleinfelder	Fed Ex	5-28-02	1800	Ship to lab

Comments/Instructions: Follow BNI SOW for lab analysis. Call J. Jordan w/ questions.

Method of Shipment: Fed Ex
Airbill No.: 7905-3367-1120
Total No. of Containers: 5
Total No. of Coolers Shipped: 1
Lab SDG:
Cooler Temp.:

C032CF02
C032CR19

CLEAN

CHAIN-OF-CUSTODY RECORD

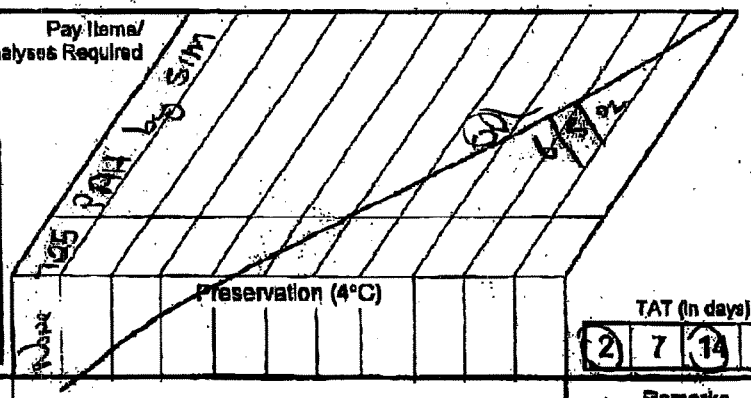
20727

Site Name: PBC-3
CTO Number: 032
Site Contact/Supervisor: S. Jordan

Sampler(s): L Price
Signature(s):

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4903 W. Swift Fresno, CA
Field Logbook/Page Number: FL-032-PBC3-01
pgs 22, 23, 24, 25

Pay Items/ Analyses Required



TAT (in days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032C764	6-2-02 1005	32PBC3-04	Soil	1		01	0 to 6"
C032C765	6-2-02 1030	32PBC3-04		1		01	6" to 24"
C032C749	6-2-02 0950	32PBC3-03		1		01	0 to 6"
C032C745	6-2-02 1110	32PBC3-02		1		01	0 to 6"
C032C746	6-2-02 1130	32PBC3-02		1		01	6 to 24"
C032C744	6-2-02 1130	32PBC3-02		1		01	6 to 24" FD
C032C747	6-2-02 1125	32PBC3-02		1		01	24" to 48"
C032C741	6-2-02 1200	32PBC3-01		1		01	0 to 6"
C032C [illegible]	6-2-02 [illegible]	32PBC3-01		1		01	6" to 24"
C032C743	6-2-02 1210	32PBC3-01		1		01	24" to 48"

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer	Comments/Instructions
Tom Pierce BC	FedEx	6/3/02	1200	Analysis	Follow BEI SOW for lab analysis. Call S. Jordan w/ questions.

Method of Shipment: FedEx
Airbill No.: 791452136040
Total No. of Coolers Shipped: 1
Total No. of Containers: 10
Cooler Temp.:

C032CF02
C032CR23

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CLEAN

CHAIN-OF-CUSTODY RECORD

20694

Site Name: PBC-3
CTO Number: 032
Site Contact/Supervisor: J. Jordan

Sampler(s): R. Pitman
Signature(s):

Analytical Laboratory Name: APPL
Analytical Laboratory Address: 4203 W. Swift Fresno, CA
Field Logbook/Page Number: EL-032-PBC3-01
pg 22, 23, 24, 25

Pay Items/ Analyses Required

Preservation (4°C): None; 2.25 PAH by SIM; 8260

TAT (in days): 2 | 7 | 14 | 30

Sample ID No. (8 digit)	Date/Time Collected	Station Description	Sample Matrix	Number of Containers	Archive (Container No.)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
C032CR023	1300 4/30/02	FQC	Water	2		01 02	RINSATE

Relinquished By/Company	Received By/Company	Date	Time	Reason for Transfer
Ron Pitman BC	E.I Exp	5/3/02	1200	Ship to Lab

Comments/Instructions: Follow SOP for 14 day TAT. Call J. Jordan w/ questions.

Method of Shipment: E.I Exp
Airbill No.: ~~8822 20~~
Total No. of Containers: 2
Total No. of Coolers Shipped: 1

Airbill # 791Y 5213 6040

C032CFB2

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ATTACHMENT C4

DATA QUALITY AND VALIDATION
(Includes Data Validation Case Narratives)
(on CD)

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ACRONYMS/ABBREVIATIONS

BEI	Bechtel Environmental, Inc.
BNI	Bechtel National, Inc.
CLEAN	Comprehensive Long-Term Environmental Action Navy
CLP	(U.S. EPA) Contract Laboratory Program
DQO	data quality objective
EDC	economic development conveyance
FED	federal agency disposal
LCS	laboratory control sample
LCSD	laboratory control sample duplicate
MS	matrix spike
MSD	matrix spike duplicate
NEESA	Naval Energy and Environmental Support Activity
PAH	polynuclear aromatic hydrocarbon
PARCC	precision, accuracy, representativeness, completeness, and comparability
PBC	public benefit conveyance
QC	quality control
RPD	relative percent difference
SI	site inspection
SOW	statement of work
SWDIV	Southwest Division Naval Facilities Engineering Command
U.S. EPA	United States Environmental Protection Agency

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Attachment C4

DATA QUALITY AND VALIDATION

This attachment presents an evaluation of the quality of laboratory data generated during the 2002 PAH assessment at Transfer Parcels Economic Development Conveyance (EDC)-3, -5, -12, -17, and -21, Federal Agency Disposal (FED)-1A, and Public Benefit Conveyance (PBC)-1A and -3. The topics discussed in this attachment include field and laboratory quality control (QC) samples, data verification and validation, and an evaluation of the analytical data based on precision, accuracy, representativeness, completeness, and comparability (PARCC) parameters. These areas were evaluated to assure that data obtained from the sample analyses were adequate to meet established data quality objectives (DQOs) presented in the draft final Work Plan (BEI 2002).

C4.1 FIELD QUALITY CONTROL

Field QC samples were collected and analyzed during the PAH assessment to evaluate the consistency and performance of the sampling program. Field QC samples for this project included field duplicate, source blank, and rinsate samples.

C4.1.1 Duplicate Samples

Field duplicate samples consisted of two soil samples (a primary and a duplicate) collected from the same location at the same depth and time, using the same sampling techniques and analyzed using the same analytical methods. The purpose of field duplicate samples is typically to evaluate the precision of the overall sample collection and analysis process. With soil samples, this is often of limited use due to the variability and heterogeneity of the soil. Approximately one duplicate sample was collected for every ten soil samples. Table C4-1 shows the number of duplicate samples collected at each of the eight transfer parcels.

Analysis of field duplicates provides a quantitative measure of the overall sampling and analysis process as the sum of contributions from sample heterogeneity, the precision of the sampling process, and the analytical method. This can be quantified by calculating the relative percent difference (RPD) for each analysis as follows:

$$\text{RPD} = \frac{|C_1 - C_2|}{(C_1 - C_2)/2} \times 100$$

where

C_1 = concentration of chemical constituent in primary sample
C_2 = concentration of chemical constituent in duplicate sample

The average RPDs for each of the selected transfer parcels are shown in Table C4-2. The relatively high RPDs were expected and are likely a result of the heterogeneity of the fill material.

C4.1.2 Source Blank Samples

Source blanks are samples for source water (distilled water) used for rinsate samples. Source blank analysis tests for potential sample contamination resulting from the final rinsewater used in the decontamination process by reporting contaminants of concern in the source water at levels above detection limits. Section C4.1.3 describes the use of source water for rinsate samples.

Two source blank samples were collected during the 2002 PAH assessment at selected transfer parcels within Alameda Point as follows: an initial source blank sample (C032CF01) was collected on April 27, 2002, and a second (C032CF02) was collected on May 13, 2002. Table C4-3 shows the analytical results for all source blank samples. All source blank samples were analyzed only for PAHs. While a few analytes were detected in source blank samples, these analytes were detected at estimated concentrations below the reporting limit. The source water was therefore verified to be contaminant-free.

C4.1.3 Rinsate Samples

Rinsate samples were collected using soil sampling equipment that was decontaminated between uses. To collect an equipment rinsate sample, contaminant-free source water was passed through or over a piece of decontaminated field sampling equipment. At least one rinsate sample was collected per day for a total of 21 rinsate samples.

Analytes reported in the rinsate samples are presented in Table C4-4. Detectable concentrations of PAHs were reported in ten equipment rinsate samples. However, all of the PAHs in these samples were reported at estimated concentrations (i.e., they were above the reporting limit but still present at reasonably low concentrations). The highest concentration of a PAH reported in a rinsate blank was 0.19 micrograms per liter.

Naphthalene was the PAH most commonly reported in the rinsate samples (seven samples) followed by 2-methylnaphthalene (six samples) and phenanthrene (four samples). Four other PAHs were reported in only one sample (benzo[k]fluoranthene, chrysene, dibenz[a,h]anthracene, and fluoranthene). Frequency of reporting for each analyte in the rinsate samples is shown in Table C4-5. These low levels of both the qualified and nonqualified concentrations in rinsate samples confirm that no significant contamination was introduced as a result of decontamination procedures. Affected analytical results in the associated field samples have been qualified accordingly. Additional information on the equipment rinsate blanks is provided in the data validation case narratives (see Section C4.6 of this attachment).

C4.2 LABORATORY QUALITY CONTROL

Laboratory QC samples are used to:

- assess data quality in terms of precision and accuracy; and
- verify that procedures, such as sample handling, storage, and preparation, are not introducing variables into the analysis chain that could render the validity of samples questionable.

QC samples are regularly prepared in the laboratory to assure that all phases of the sampling process are monitored. The types of laboratory QC samples prepared during the analyses of soil and water are discussed below.

C4.2.1 Method Blanks

One method blank was analyzed per batch of samples (no more than 20 samples). The method blank was processed following the same preparatory and analytical procedures as the field-collected samples. These QC samples were used to detect the presence and magnitude of any contaminant or other anomaly resulting from sample preparation and analytical procedures.

C4.2.2 Laboratory Control Samples/Duplicates

A minimum of one laboratory control sample (LCS) was prepared and analyzed with each batch of samples (which did not exceed 20 samples). The LCS/laboratory control sample duplicate (LCSD) samples were prepared by spiking a known amount of certain analytes of interest for each analytical method into American Society for Testing and Materials type II water (for aqueous matrices) or into clean sand (for soil matrices). The LCS/LCSD samples were then processed using the same procedures as the field-collected samples. The recovery percentiles of the spiked compounds were used to determine whether the laboratory processes were within acceptable performance limits for the analytical methods. This provided an indication of the accuracy and acceptability of each method. LCS/LCSD samples were analyzed as part of the data validation process. Any anomalous occurrences are discussed in the case narratives (see Section C4.6 of this attachment).

C4.2.3 Matrix Spikes/Matrix Spike Duplicates

At least one matrix spike (MS)/matrix spike duplicate (MSD) pair was prepared and analyzed for every 20 samples. The MS/MSD samples were prepared by spiking a known amount of certain analytes of interest for each method into a sample of each matrix. The spiked sample pairs were then processed using the same procedures as the unspiked field-collected samples. Recovery percentiles of the spiked compounds were used as an indication of the accuracy and appropriateness of the methods for each matrix. MS/MSD samples were analyzed as part of the data validation process. Any anomalous occurrences are discussed in the case narratives (see Section C4.6 of this attachment).

C4.2.4 Surrogates

Surrogate compounds (i.e., compounds with chemical properties and behavior similar to those of the compounds of interest) were added to each sample analyzed for PAHs. Recovery percentiles of these spiked surrogate compounds were used to assess the accuracy of laboratory procedures. Surrogate samples were analyzed as part of the data validation process. Any anomalous occurrences are discussed in the case narratives (see Section C4.6 of this attachment).

C4.3 DATA VERIFICATION AND VALIDATION

The purpose of data verification and validation is to assure that the data collected during the 2002 PAH assessment meet the DQOs outlined in the draft final Work Plan (BEI 2002).

C4.3.1 Data Verification

All data collected were subjected to the data verification process, which includes proofreading and editing data reports to assure that data correctly represent the analytical measurement. Verification identifies nontechnical errors in the data package that can be corrected (e.g., typographical errors) and assures that data reported on hard copy exactly match data reported on electronic deliverables. Data verification also assures that the sample identifiers on hard copy laboratory reports match those on the chain-of-custody records. All data collected were verified.

C4.3.2 Data Validation

Data validation is a systematic process used to interpret, define, and document analytical data quality and determine whether the data quality is sufficient to support the intended uses of the data. Validation of a data package includes a reconstruction of sample preparation and analysis activities from the raw data and reconciliation of the raw data with the reduced results, identification of data anomalies, and qualification of data to identify data usability limitations.

Data validation for the 2002 PAH assessment was performed by an independent subcontractor (Laboratory Data Consultants, Inc.). All collected data reported by fixed-base analytical laboratories (Columbia Analytical Services, Inc., Agriculture and Priority Pollutant Laboratory, and Severn-Trent Laboratories) were validated in accordance with Naval Facilities Engineering Service Center (formerly Naval Energy and Environmental Support Activity) guidelines (NEESA 1990), the Contract Technical Specification (BNI 1998), and Southwest Division Naval Facilities Engineering Command Environmental Work Instruction No. 1 (SWDIV 2001). Approximately 90 percent of the data was validated using Level III validation criteria. The remaining 10 percent was validated using Level IV criteria, as specified in the draft final Work Plan (BEI 2002) for the 2002 PAH assessment.

Data were further evaluated by project personnel to determine suitability and usability for purposes of the PAH Field Activity Summary. The results of this internal review are summarized below in Sections C4.4 and C4.5.

C4.3.3 Data Validation Qualifiers

Analytical data were qualified on the basis of data validation reviews. For chemical data, qualifiers (U, U, UJ, or R) were assigned in accordance with the applicable United States Environmental Protection Agency (U.S. EPA) Guidelines for Data Validation (U.S. EPA 1994, 1999). Individual validation data flags are presented in the data validation case narratives (see Section C4.6 of this attachment).

Data assigned an "R" (rejected) qualifier were deemed unusable and not used for any purpose (including, but not limited to, risk assessment, data interpretation, tables, or figures). Data may be rejected because of noncompliance with method requirements during the course of validation. Data may also be qualified as unusable in dilutions and reanalysis by the validators in order to produce only one complete set of data for a given sample, and eliminate redundancy. The intent of the latter classification is to guide data users in choosing the best set of sample analytical results when reanalyses and/or dilutions exist.

Data were rejected due to calibration issues and low recovery in matrix spike samples. Individual laboratory data flags are presented in the data validation reports (Section C4.6).

C4.4 EVALUATION OF ANALYTICAL DATA

Data quality was assessed against the established DQOs of the draft final Work Plan (BEI 2002). Evaluation of the validated data sets compared the data objective with the actual data results using PARCC parameters.

Precision, accuracy, and completeness goals for the major chemical analyses performed on site samples were those specified in the U.S. EPA Contract Laboratory Program (CLP) Statement of Work (SOW). For procedures not specified in the CLP SOW, the criteria specified in U.S. EPA Method SW-846 applied.

C4.4.1 Precision and Accuracy

QC data were assessed through the use of blanks, duplicates, spikes, and surrogates. Review of these data provided information concerning the precision and accuracy measurements conducted by the laboratories.

C4.4.1.1 LABORATORY METHOD BLANKS

At least one of the target analyte PAH compounds were reported in 11 of the 97 method blanks that were analyzed in association with the 2002 sampling event. All affected analytical results have been qualified accordingly during data validation using U.S. EPA guidelines. Additional information about the laboratory method blanks is provided in the data validation case narratives (see Section C4.6 of this attachment).

C4.4.1.2 SOURCE BLANKS

As shown in Table C4-3, five PAHs were detected below the reporting limits in source water collected during field activities. Additional information about the source blanks is provided in the data validation case narratives (see Section C4.6 of this attachment).

C4.4.1.3 EQUIPMENT RINSATE BLANKS

As shown in Table C4-4, seven of the target PAH compounds were detected at concentrations below the reporting limits in 10 of the rinsate blanks collected during 2002 field activities. Additional information about the equipment rinsate blanks is provided in the data validation case narratives (see Section C4.6 of this attachment).

C4.4.1.4 LABORATORY CONTROL SAMPLES/DUPLICATES

Most LCS/LCSDs analyzed by the laboratories were within control limits. On the basis of these samples, the overall precision and accuracy of the laboratories are considered acceptable. LCS/LCSDs that were not within control limits are discussed in the data validation case narratives (see Section C4.6 of this attachment).

C4.4.1.5 MATRIX SPIKES/MATRIX SPIKE DUPLICATES

Most MS/MSD samples prepared and results analyzed by the laboratories were within control limits. MS/MSDs that were not within control limits are discussed in the data validation case narratives (see Section C4.6 of this attachment). The overall precision and accuracy of the laboratory are considered acceptable.

C4.4.1.6 SURROGATES

Most surrogate compounds prepared and analyzed by the laboratories were within control limits. Surrogates that were not within control limits are discussed in the data validation case narratives (see Section C4.6 of this attachment). The overall precision and accuracy of the laboratory are considered acceptable.

C4.4.2 Representativeness

Representativeness is the reliability with which a measurement or measurement system reflects the true conditions under investigation (U.S. EPA 1989). Representativeness is influenced by the number and location of the sampling points, sampling timing and frequency of monitoring efforts, and field and laboratory sampling procedures (U.S. EPA 1989).

The representativeness of data was assured through the use of established field and laboratory procedures and their consistent application. All samples collected are considered representative of transfer parcel conditions at Alameda Point.

C4.4.3 Completeness

Data completeness is a measure of the amount of valid data obtained from the field program compared with the amount that was expected to be obtained under planned conditions. Data are considered valid if they have not been rejected (were not R-qualified either from data validation or internal data review). Percent completeness is therefore expressed by the following equation:

$$C = \frac{(\text{number of valid results}) \times 100}{\text{total number of requested results}}$$

Based on internal review, the completeness of the sample set submitted for analysis for each transfer parcel included in the PAH assessment was:

- 100 percent (no rejected samples) for Transfer Parcels EDC-12, EDC-17, PBC-1A, and PBC-3

- 93 percent for Transfer Parcel EDC-3 (6 out of 88 samples rejected) and Transfer Parcel EDC-21 (3 out of 43 samples rejected)
- 99 percent for Transfer Parcel EDC-5 (2 out of 540 samples rejected) and Transfer Parcel FED-1A (4 out of 316 samples rejected)

These values are within the completeness goals as stated in the DQO section of the draft final Work Plan (BEI 2002).

C4.4.4 Comparability

Comparability evaluates whether the reported data are comparable to similar data reported by other organizations. Three separate laboratories were used; all three analyzed the samples using the method specified in the draft final Work Plan (BEI 2002). All units of measurement were consistent and appropriate for the matrices sampled. The comparability of the laboratory results was determined to be acceptable.

C4.5 DATA QUALITY AND VALIDATION SUMMARY

There were no significant problems noted for the analysis of PAHs at selected transfer parcels with a few exceptions. Due to recovery values that fell below the acceptance limits of the method, results not above reporting limits for 12 analytes in 15 samples were qualified as unusable. No other data were qualified as unusable.

C4.6 DATA VALIDATION CASE NARRATIVES

Data validation case narratives are presented separately on this compact disk.

C4.7 REFERENCES

Bechtel Environmental, Inc. 2002. Draft Final Work Plan for PAH Background Determination and PAH-Specific Site Inspections for Alameda Point, Alameda, California. June.

Bechtel National, Inc. 1998. CLEAN Program Technical Specification for Analytical Laboratory Services, Contract Technical Specification, 22214-TS-002, Revision 5, March 25 (or latest revision in effect at the time of analysis).

BEI. *See* Bechtel Environmental, Inc.

BNI. *See* Bechtel National, Inc.

Naval Energy and Environmental Support Activity. 1990. Quality Assurance in Environmental Analysis. Prepared for by the Analytical Support Group

NEESA. *See* Naval Energy and Environmental Support Activity.

Southwest Division Naval Facilities Engineering Command. 2001. Environmental Work Instruction No. 1. November 28.

SWDIV. *See* Southwest Division Naval Facilities Engineering Command.

United States Environmental Protection Agency. 1989. U.S. EPA Region 9 Guidance for Preparing Quality Assurance Project Plans for Superfund Remedial Projects. 9QA-03-89. September.

———. 1999. Laboratory Data Validation Functional Guidelines for Evaluating Organics Analysis. Hazardous Site Evaluation Division. Prepared by U.S. EPA Data Review Work Group. February.

U.S. EPA. *See* United States Environmental Protection Agency.

TABLES

Table C4-1
Number of Duplicate Samples Collected at Selected Transfer Parcels

Transfer Parcel	Number of Duplicate Samples Collected
EDC-3	8
EDC-5	53
EDC-12	13
EDC-17	4
EDC-21	4
FED-1A	32
PBC-1A	4
PBC-3	1

Acronyms/Abbreviations:
EDC – economic development conveyance
FED – federal agency disposal
PBC – public benefit conveyance

Table C4-2
Average Relative Percent Differences for
Field Duplicate Samples for Transfer Parcels

Transfer Parcel	Average Relative Percent Difference
EDC-3	108
EDC-5	70
EDC-12	94
EDC-17	107
EDC-21	61
FED-1A	87
PBC-1A	30
PBC-3	96

Acronyms/Abbreviations:
EDC – economic development conveyance
FED – federal agency disposal
PBC – public benefit conveyance

Table C4-3
Source Blank Sample Results
(reported in micrograms per liter)

Analyte	SAMPLE ID, SAMPLE DATE, AND RESULT C032CF01 4/27/02	 C032F02 5/13/2002
acenaphthene	0.02 U	0.02 U
acenaphthylene	0.02 U	0.02 U
anthracene	0.02 U	0.02 U
benz(a)anthracene	0.02 U	0.02 U
benzo(a)pyrene	0.02 U	0.02 U
benzo(b)fluoranthene	0.02 U	0.02 U
benzo(g,h,i)perylene	0.02 U	0.02 U
benzo(k)fluoranthene	**0.0016 J***	0.02 U
chrysene	**0.0017 J***	0.02 U
dibenz(a,h)anthracene	**0.0025 J***	0.02 U
fluoranthene	0.02 U	0.02 U
fluorene	0.02 U	0.02 U
indeno(1,2,3-cd)pyrene	**0.0029 J***	0.02 U
2-methylnaphthalene	0.02 U	0.02 U
naphthalene	0.02 U	**0.0042 J***
phenanthrene	0.02 U	0.02 U
pyrene	0.02 U	0.02 U

Note:
* number in bold is detected concentration

Review Qualifiers:
J – indicates an estimated value
U – indicates analyte was analyzed for but not detected at or above the stated limit; the reporting limit is listed here

Table C4-4
Rinsate Sample Results
(reported in micrograms per liter)

	SAMPLE ID/SAMPLING DATE																				
	C032CR01	C032CR03	C032CR04	C032CR05	C032CR06	C032CR08	C032CR09	C032CR10	C032CR11	C032CR12	C032CR13	C032CR14	C032CR15	C032CR16	C032CR17	C032CR18	C032CR19	C032CR20	C032CR21	C032CR22	C032CR23
Analyte	**4/27/2002**	**5/13/2002**	**5/13/2002**	**5/13/2002**	**5/14/2002**	**5/15/2002**	**5/16/2002**	**5/17/2002**	**5/20/2002**	**5/21/2002**	**5/21/2002**	**5/22/2002**	**5/22/2002**	**5/22/2002**	**5/23/2002**	**5/24/2002**	**5/28/2002**	**5/29/2002**	**5/30/2002**	**5/31/2002**	**6/2/2002**
acenaphthene	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.047 U	0.048 U	0.052 U	0.048 U	0.25 U
acenaphthylene	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.047 U	0.048 U	0.052 U	0.048 U	0.25 U
anthracene	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.047 U	0.048 U	0.052 U	0.048 U	0.25 U
benz(a)anthracene	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.047 U	0.048 U	0.052 U	0.048 U	0.25 U
benzo(b)fluoranthene	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.047 U	0.048 U	0.052 U	0.048 U	0.25 U
benzo(k)fluoranthene	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	**0.019 J***	0.047 U	0.048 U	0.052 U	0.048 U	0.25 U
benzo(g,h,i)perylene	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.047 U	0.048 U	0.052 U	0.048 U	0.25 U
benzo(a)pyrene	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.047 U	0.048 U	0.052 U	0.048 U	0.25 U
chrysene	**0.0013 J***	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.047 U	0.048 U	0.052 U	0.048 U	0.25 U
dibenz(a,h)anthracene	**0.0018 J***	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.047 U	0.048 U	0.052 U	0.048 U	0.25 U
fluoranthene	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**0.0033 J***	0.02 U	0.02 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.047 U	0.048 U	0.052 U	0.048 U	0.25 U
fluorene	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.047 U	0.048 U	0.052 U	0.048 U	0.25 U
indeno(1,2,3-cd)pyrene	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.047 U	0.048 U	0.052 U	0.048 U	0.25 U
2-methylnaphthalene	**0.0035 J***	**0.003 J***	0.02 U	0.02 U	**0.0031 J***	0.02 U	**0.0033 J***	**0.0032 J***	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	**0.0043 J***	0.048 U	0.052 U	0.048 U	0.25 U
naphthalene	0.02 U	**0.0058 J***	**0.0047 J***	**0.0036 J***	**0.0074 J***	**0.007 J***	**0.0047 J***	**0.0054 J***	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.047 U	0.048 U	0.052 U	0.048 U	0.25 U
phenanthrene	**0.0056 J***	**0.0036 J***	0.02 U	**0.0086 J***	0.02 U	**0.0034 J***	0.02 U	0.02 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.047 U	0.048 U	0.052 U	0.048 U	0.25 U
pyrene	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.047 U	0.048 U	0.052 U	0.048 U	0.25 U

Note:
* numbers shown in bold are detected concentrations

Review Qualifiers:
J – indicates an estimated value
U – indicates analyte was analyzed for but not detected at or above the stated limit; the reporting limit is listed here

Table C4-5
Frequency of Reporting for Analytes in Rinsate Samples

Analyte	Number of Times Analyte Was Reported in a Rinsate Sample
acenaphthene	0
acenaphthylene	0
anthracene	0
benz(a)anthracene	0
benzo(b)fluoranthene	0
benzo(k)fluoranthene	1
benzo(g,h,i)perylene	0
benzo(a)pyrene	0
chrysene	1
dibenz(a,h)anthracene	1
fluoranthene	1
fluorene	0
indeno(1,2,3-cd)pyrene	0
2-methylnaphthalene	6
naphthalene	7
phenanthrene	4
pyrene	0

CASE NARRATIVES

LABORATORY DATA CONSULTANTS, INC.
7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: 760/634-0439

Bechtel Environmental
1230 Columbia Street, Suite 400
San Diego, CA 92101
Attn: Mr James Jordan

June 11, 2002

Project Name : NAS Alameda Point
Project # : CTO 032

On June 4, 2002 the following data packages were received by Laboratory Data Consultants, Inc. from Bechtel Environmental. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 8542:

SDG #	Fraction
K2202668, K2202671, K2203082, K2203083, K2203084, K2203131, K2203133, K2203174, K2203176, K2203212, K2203213, K2203248, K2203249	Polynuclear Aromatic Hydrocarbons

The above SDGs were reviewed using Level III and Level IV guidelines. The analyses were validated using the following documents, as applicable to each method:

- NFESC Special Publication SP-2056-ENV, Navy Installation Restoration Chemical Data Quality Manual, Naval Facilities Engineering Command, September 1999
- USEPA, Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996

The data validators did utilize their professional judgement when evaluating the data to achieve the most complete and accurate assessment of the data. The data packages were reviewed according to the above stated validation procedures.

For GC/MS polynuclear aromatic hydrocarbon analyses, the primary findings consisted of:

a) Continuing calibration factors exceeded acceptance criteria in SDG K2202671. Since the laboratory met the protocol requirement, this finding should be considered advisory.

b) Matrix spike/matrix spike duplicate analyses were not performed for all batches in SDGs K2203082 and K2203083.

c) Matrix spike/matrix spike duplicate percent recoveries and relative percent differences exceeded acceptance criteria for dibenzo(a,h)anthracene in SDGs K2202668 and K2202671, for naphthalene in SDG K2203131 and benzo(a)anthracene, benzo(b)fluoranthene and benzo(k)fluoranthene in SDGs K2203212 and K2203213 and for several compounds in SDG K2203176. Since the laboratory met the protocol requirement, this finding should be considered advisory.

d) Laboratory control sample relative percent differences exceeded acceptance criteria for benzo(g,h,i)perylene in SDGs KK2202668, K2202671 for phenanthrene and fluoranthene in SDG K2203248 and several compounds in SDG K2203174.

e) Internal standard areas exceeded acceptance criteria for samples C032C031 and C032C005 in SDG K2202671, for sample C032C327 in SDG K2203133
and for samples C032C362, C032C375, C032C377 and C032C432 in SDG K2203249. Since the laboratory met the protocol requirement, this finding should be considered advisory.

f) Chrysene was detected in the method blanks in SDG K2203084. Since the laboratory met the protocol requirement, this finding should be considered advisory.

g) Phenanthrene was reported above the calibration range for sample C032C009 in SDG K2202668, 2-methylnaphthalene for sample C032C005 in SDG K2202671, phenanthrene, fluoranthene and pyrene in SDG K2203133, fluoranthene and pyrene for sample C032CA68, pyrene for sample C032CA23 and several compounds for sample C032C905 in SDG K2203176. Since the laboratory met the protocol requirement, this finding should be considered advisory.

h) Data was qualified as unusable in dilutions by the validators in order to yield only one complete set of data for a given sample and eliminate redundant data.

In general, the data for all analyses appear usable with the limitations noted in the Data Validation Reports. Data validation flags were noted on the Laboratory Form 1s and included with each validation report.

Sincerely,

Richard M. Amano
President/Principal Chemist

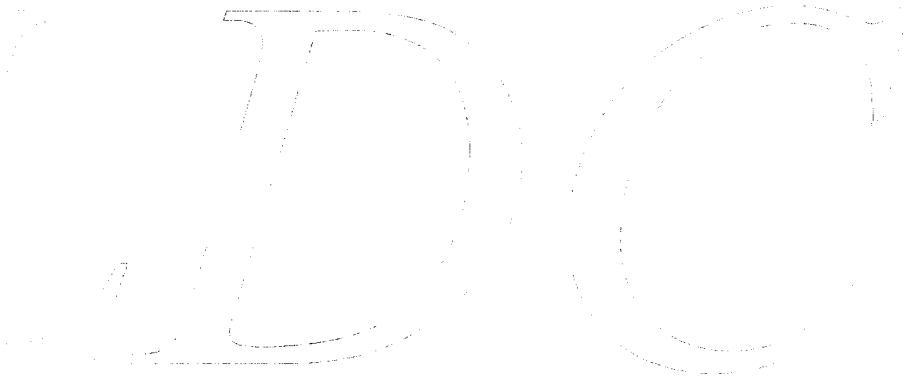
LDC #8542 (Bechtel Environmental-San Diego / Alameda Point, CTO 32)

LDC	SDG#	DATE REC'D	DATE DUE	PAHs (8270-SIM)																													
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	K2202668	6-4-02	6-18-02	0	20																												
B	K2202671	6-4-02	6-18-02	2	23																												
C	K2203082	6-4-02	6-18-02	0	22																												
D	K2203083	6-4-02	6-18-02	0	23																												
E	K2203084	6-4-02	6-18-02	10	0																												
F	K2203131	6-4-02	6-18-02	0	22																												
G	K2203133	6-4-02	6-18-02	0	22																												
H	K2203174	6-4-02	6-18-02	0	21																												
I	K2203176	6-4-02	6-18-02	0	28																												
J	K2203212	6-4-02	6-18-02	0	22																												
K	K2203213	6-4-02	6-18-02	0	20																												
L	K2203248	6-4-02	6-18-02	0	26																												
M	K2203249	6-4-02	6-18-02	0	27																												
Total	B			12	276	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Shaded cells indicate Level IV validation (all other cells are Level III validation)

Alameda Point, CTO 32
Data Validation Reports
LDC# 8542

Polynuclear Aromatic Hydrocarbons



Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: April 27, 2002

LDC Report Date: June 7, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2202668

Sample Identification

C032C036
C032C023
C032C024
C032C025
C032C026
C032C009
C032C009DL
C032C010
C032C011
C032C012
C032C013
C032C015
C032C016
C032C017
C032C027
C032C028
C032C029
C032C030
C032C030MS
C032C030MSD

Introduction

This data review covers 20 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CF01 (from SDG #K2202671) was identified as a field source blank. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Field Source Blank ID	Sampling Date	Compound	Concentration	Associated Samples
C032CF01	4/27/02	Chrysene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene	0.0017 ug/Kg 0.0016 ug/Kg 0.0029 ug/Kg 0.0025 ug/Kg	All samples in SDG K2202668

Sample C032CR01 (from SDG #K2202671) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR01	4/27/02	Chrysene Dibenz(a,h)anthracene 2-Methylnaphthalene Phenanthrene	0.0013 ug/Kg 0.0018 ug/Kg 0.0035 ug/Kg 0.0056 ug/Kg	All samples in SDG K2202668

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C02DMS/MSD (C032C009 C032C009DL)	Dibenz(a,h)anthracene	-	58 (61-144)	-	J (all detects) UJ (all non-detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Flag	A or P
KWG0202872-3/4 (C032C009 C032C009DL KWG0202872-5)	Benzo(g,h,i)perylene	45 (57-129)	49 (57-129)	-	J (all detects) UJ (all non-detects)	P

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032C009	Phenanthrene	Sample result exceeded calibration range	Reported result should be within calibration range.	J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C009	Phenanthrene	R	A
C032C009DL	All TCL compounds except Phenanthrene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C010 and C032C011, samples C032C036 and C032C035 (from SDG #K2202671) and samples C032C013 and C032C022 (from SDG #K2202671) were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C010	C032C011	
Phenanthrene	3.2	6.1	62
Anthracene	6.2U	2.0	200
Fluoranthene	6.2U	1.7	200
Pyrene	6.2U	2.3	200
Chrysene	5.8	4.6	23
Benzo(b)fluoranthene	3.1	2.4	25
Indeno(1,2,3-cd)pyrene	1.1	0.73	40
Dibenz(a,h)anthracene	2.1	5.6U	200
Benzo(g,h,i)perylene	6.5	4.3	41

Compound	Concentration (ug/Kg)		RPD
	C032C036	C032C035	
Indeno(1,2,3-cd)pyrene	5.9U	0.78	200

Compound	Concentration (ug/Kg)		RPD
	C032C013	C032C022	
Naphthalene	5.8U	2.2	200
2-Methylnaphthalene	22	26	17
Phenanthrene	63	86	31
Fluoranthene	3.8	4.4	15
Pyrene	6.6	8.6	26
Benzo(a)anthracene	2.4	3.1	25
Chrysene	19	22	15
Benzo(b)fluoranthene	6.4	9.7	41
Benzo(a)pyrene	3.7	5.7U	200
Indeno(1,2,3-cd)pyrene	1.6	5.7U	200
Dibenz(a,h)anthracene	3.0	3.3	10
Benzo(g,h,i)perylene	8.0	5.9	30

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2202668

SDG	Sample	Compound	Flag	A or P	Reason
K2202668	C032C009 C032C009DL	Dibenz(a,h)anthracene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)
K2202668	C032C009 C032C009DL	Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
K2202668	C032C009	Phenanthrene	J (all detects)	A	Compound quantitation and CRQLs
K2202668	C032C009	Phenanthrene	R	A	Overall assessment of data
K2202668	C032C009DL	All TCL compounds except Phenanthrene	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2202668

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2202668

No Sample Data Qualified in this SDG

LDC Report# 8542B2

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: April 27, 2002

LDC Report Date: June 12, 2002

Matrix: Soil/Water

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2202671

Sample Identification

C032CF01	C032C003
C032CR01	C032C004
C032C018	C032C014
C032C019	C032C020MS
C032C020	C032C020MSD
C032C021	
C032C031	
C032C031DL	
C032C032	
C032C033	
C032C034	
C032C035	
C032C022	
C032C005	
C032C005DL	
C032C006	
C032C007	
C032C008	
C032C001	
C032C002	

Introduction

This data review covers 23 soil samples and 2 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
5/1/02	indeno(1,2,3-cd)pyrene	34	C032C031DL C032C033 C032C034 C032C006 C032C014	J (all detects) UJ (all non-detects)	A

Date	Compound	%D	Associated Samples	Flag	A or P

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CF01 was identified as a field source blank. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Field Source Blank ID	Sampling Date	Compound	Concentration	Associated Samples
C032CF01	4/27/02	Chrysene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene	0.0017 ug/L 0.0016 ug/L 0.0029 ug/L 0.0025 ug/L	All soil samples in SDG K2202671

Sample C032CR01 was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR01	4/27/02	Chrysene Dibenz(a,h)anthracene 2-Methylnaphthalene Phenanthrene	0.0013 ug/L 0.0018 ug/L 0.0035 ug/L 0.0056 ug/L	All soil samples in SDG K2202671

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C020MS/MSD (All soil samples in SDG K2202671)	Dibenz(a,h)anthracene	-	58 (61-144)	-	J (all detects) UJ (all non-detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Flag	A or P
KWG0202872-3/4 (All soil samples in SDG K2202671)	Benzo(g,h,i)perylene	45 (57-129)	49 (57-129)	-	J (all detects) UJ (all non-detects)	P

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C031	Perylene-d12	33978 (35975-143900)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A
C032C005	Perylene-d12	44880 (46652-186606)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032C005	2-Methylnaphthalene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C031	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R R R R R R	A
C032C031DL	All TCL compounds except Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R	A
C032C005	2-Methylnaphthalene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R R R R R R	A

Sample	Compound	Flag	A or P
C032C005DL	All TCL compounds except 2-Methylnaphthalene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C022 and C032C013 (from SDG #K220668), samples C032C032 and C032C033 and samples C032C035 and C032C036 (from SDG #K220668) were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C032	C032C033	
Fluorene	2.5	1.6	44
Phenanthrene	11	6.6	50
Fluoranthene	4.9	3.3	39
Pyrene	7.1	4.8	39
Benzo(a)anthracene	2.7	2.2	20
Chrysene	21	12	54
Benzo(b)fluoranthene	9.6	5.4	56
Benzo(a)pyrene	6.4	4.0	46
Indeno(1,2,3-cd)pyrene	3.3	4.2	24
Dibenz(a,h)anthracene	6.6	6.2	6
Benzo(g,h,i)perylene	28	27	4

Compound	Concentration (ug/Kg)		RPD
	C032C036	C032C035	

Compound	Concentration (ug/Kg)		RPD
	C032C036	C032C035	
Indeno(1,2,3-cd)pyrene	5.9U	0.78	200

Compound	Concentration (ug/Kg)		RPD
	C032C013	C032C022	
Naphthalene	5.8U	2.2	200
2-Methylnaphthalene	22	26	17
Phenanthrene	63	86	31
Fluoranthene	3.8	4.4	15
Pyrene	6.6	8.6	26
Benzo(a)anthracene	2.4	3.1	25
Chrysene	19	22	15
Benzo(b)fluoranthene	6.4	9.7	41
Benzo(a)pyrene	3.7	5.7U	200
Indeno(1,2,3-cd)pyrene	1.6	5.7U	200
Dibenz(a,h)anthracene	3.0	3.3	10
Benzo(g,h,i)perylene	8.0	5.9	30

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2202671

SDG	Sample	Compound	Flag	A or P	Reason
K2202671	C032C031DL C032C033 C032C034 C032C006 C032C014	Indeno(1,2,3-cd)pyrene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
K2202671	C032C018 C032C019 C032C020 C032C021 C032C031 C032C031DL C032C032 C032C033 C032C034 C032C035 C032C022 C032C005 C032C005DL C032C006 C032C007 C032C008 C032C001 C032C002 C032C003 C032C004 C032C014	Dibenz(a,h)anthracene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)
K2202671	C032C018 C032C019 C032C020 C032C021 C032C031 C032C031DL C032C032 C032C033 C032C034 C032C035 C032C022 C032C005 C032C005DL C032C006 C032C007 C032C008 C032C001 C032C002 C032C003 C032C004 C032C014	Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
K2202671	C032C031 C032C005	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
K2202671	C032C005	2-Methylnaphthalene	J (all detects)	A	Compound quantitation and CRQLs
K2202671	C032C031	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene	R R R	A	Overall assessment of data

SDG	Sample	Compound	Flag	A or P	Reason
		Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R R R		
K2202671	C032C031DL	All TCL compounds except Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R	A	Overall assessment of data
K2202671	C032C005	2-Methylnaphthalene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R R R R R R	A	Overall assessment of data
K2202671	C032C005DL	All TCL compounds except 2-Methylnaphthalene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2202671

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2202671

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 13, 2002

LDC Report Date: June 10, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203082

Sample Identification

C032C838	C032C121MS
C032C839	C032C121MSD
C032C840	
C032C841	
C032C842	
C032C843	
C032C844	
C032C845	
C032C846	
C032C037	
C032C038	
C032C039	
C032C040	
C032C045	
C032C046	
C032C047	
C032C048	
C032C049	
C032C120	
C032C121	

Introduction

This data review covers 22 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CF02 (from SDG #K2203084) was identified as a field source blank. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Field Source Blank ID	Sampling Date	Compound	Concentration	Associated Samples
C032CF02	5/13/02	Naphthalene	0.0042 ug/L	All samples in SDG K2203082

Sample C032CR05 (from SDG #K2203084), samples C032CR03 (from SDG #K2203084) and sample C032CR04 (from SDG #K2203084) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR05	5/13/02	Naphthalene Phenanthrene Chrysene	0.0036 ug/L 0.0086 ug/L 0.0023 ug/L	All samples in SDG K2203082
C032CR03	5/13/02	Naphthalene Phenanthrene 2-Methylnaphthalene	0.0058 ug/L 0.0036 ug/L 0.0030 ug/L	All samples in SDG K2203082
C032CR04	5/13/02	Naphthalene	0.0047 ug/L	All samples in SDG K2203082

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032C842 C032C038	All TCL compounds	No MS/MSD associated with these samples.	MS/MSD required.	None	P

Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C845 and C032C846 and samples C032C046 and C032C047 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C845	C032C846	
Phenanthrene	5.2	6.1	16
Fluoranthene	17	18	6
Pyrene	22	24	9
Benzo(a)anthracene	7.0	7.4	6
Chrysene	8.3	8.6	4
Benzo(b)fluoranthene	13	14	7
Benzo(k)fluoranthene	4.5	4.3	4
Benzo(a)pyrene	14	15	7
Indeno(1,2,3-cd)pyrene	16	17	6
Benzo(g,h,i)perylene	18	19	5

Compound	Concentration (ug/Kg)		RPD
	C032C046	C032C047	
Indeno(1,2,3-cd)pyrene	0.63	5.8U	200

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203082

SDG	Sample	Compound	Flag	A or P	Reason
K2203082	C032C842 C032C038	All TCL compounds	None	P	Matrix spike/Matrix spike duplicates

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203082

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203082

No Sample Data Qualified in this SDG

LDC Report# 8542D2

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 13, 2002

LDC Report Date: June 7, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203083

Sample Identification

C032C122	C032C766
C032C123	C032C766MS
C032C124	C032C766MSD
C032C798	
C032C799	
C032C800	
C032C801	
C032C802	
C032C811	
C032C812	
C032C813	
C032C814	
C032C815	
C032C759	
C032C760	
C032C761	
C032C762	
C032C763	
C032C764	
C032C765	

Introduction

This data review covers 23 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CF02 (from SDG #K2203084) was identified as a field source blank. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Field Source Blank ID	Sampling Date	Compound	Concentration	Associated Samples
C032CF02	5/13/02	Naphthalene	0.0042 ug/L	All samples in SDG K2203083

Samples C032CR05, C032CR03 and C032CR04 (from SDG #K2203084) were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR05	5/13/02	Naphthalene Phenanthrene Chrysene	0.0036 ug/L 0.0086 ug/L 0.0023 ug/L	All samples in SDG K2203083
C032CR03	5/13/02	Naphthalene 2-Methylnaphthalene Phenanthrene	0.0058 ug/L 0.0030 ug/L 0.0036 ug/L	All samples in SDG K2203083
C032CR04	5/13/02	Naphthalene	0.0047 ug/L	All samples in SDG K2203083

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
All samples in SDG K2203083	All TCL compounds	More than twenty samples associated to a matrix spike sample.	No more than twenty samples to be associated to a matrix spike sample.	None	P

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C801 and C032C802, samples C032C812 and C032C813 and samples C032C123 and C032C124 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C123	C032C124	
Indeno(1,2,3-cd)pyrene	0.65	5.9U	200

Compound	Concentration (ug/Kg)		RPD
	C032C801	C032C802	
Naphthalene	3.0	3.3	10
Acenaphthylene	2.0	2.1	5
Acenaphthene	6.1U	6.5	200
Fluorene	6.1U	3.0	200
Phenanthrene	23	48	70
Anthracene	3.9	7.6	64
Fluoranthene	90	83	8
Pyrene	130	130	0
Benzo(a)anthracene	33	32	3
Chrysene	43	39	10
Benzo(b)fluoranthene	50	42	17
Benzo(k)fluoranthene	39	35	11
Benzo(a)pyrene	75	64	16
Indeno(1,2,3-cd)pyrene	69	54	24
Dibenz(a,h)anthracene	5.9	4.1	14
Benzo(g,h,i)perylene	83	65	24

Compound	Concentration (ug/Kg)		RPD
	C032C812	C032C813	
Phenanthrene	3.3	3.6	9
Fluoranthene	6.0	6.7	11
Pyrene	9.7	12	21
Benzo(a)anthracene	3.8	4.5	17
Chrysene	4.3	5.1	17
Benzo(b)fluoranthene	2.3	2.9	23
Benzo(k)fluoranthene	2.9	3.5	19
Benzo(a)pyrene	3.6	4.3	18
Indeno(1,2,3-cd)pyrene	2.5	2.6	4
Benzo(g,h,i)perylene	2.8	2.9	3

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203083

SDG	Sample	Compound	Flag	A or P	Reason
K2203083	C032C122 C032C123 C032C124 C032C798 C032C799 C032C800 C032C801 C032C802 C032C811 C032C812 C032C813 C032C814 C032C815 C032C759 C032C760 C032C761 C032C762 C032C763 C032C764 C032C765 C032C766	All TCL compounds	None	P	Matrix spike/Matrix spike duplicates

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203083

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203083

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 13 through May 17, 2002

LDC Report Date: June 7, 2002

Matrix: Water

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203084

Sample Identification

C032CR05
C032CF02
C032CR03
C032CR04
C032CR06
C032CR08
C032CR09
C032CR10
C032CR10MS
C032CR10MSD

Introduction

This data review covers 10 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Extraction Date	Compound TIC (RT in minutes)	Concentration	Associated Samples
KWG0203486-4	5/20/02	Chrysene	0.0013 ug/L	All samples in SDG K2203084

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Compound TIC (RT in minutes)	Reported Concentration	Modified Final Concentration
C032CR05	Chrysene	0.0023 ug/L	0.020U ug/L
C032CR06	Chrysene	0.0015 ug/L	0.020U ug/L
C032CR08	Chrysene	0.0019 ug/L	0.020U ug/L
C032CR09	Chrysene	0.0017 ug/L	0.020U ug/L

Samples C032CR05, C032CR03, C032CR04, C032CR06, C032CR08, C032CR09 and C032CR10 were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR05	5/13/02	Naphthalene Phenanthrene Acenaphthylene	0.0036 ug/L 0.0086 ug/L 0.0023 ug/L	No associated samples in this SDG
C032CR03	5/13/02	Naphthalene Phenanthrene 2-Methylnaphthalene	0.0058 ug/L 0.0036 ug/L 0.0030 ug/L	No associated samples in this SDG
C032CR04	5/13/02	Naphthalene	0.0047 ug/L	No associated samples in this SDG
C032CR06	5/14/02	Naphthalene Chrysene 2-Methylnaphthalene	0.0074 ug/L 0.0015 ug/L 0.0031 ug/L	No associated samples in this SDG
C032CR10	5/15/02	Hexachlorobenzene Phenanthrene Chrysene Fluoranthene	0.0070 ug/L 0.0034 ug/L 0.0019 ug/L 0.0033 ug/L	No associated samples in this SDG

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR09	5/16/02	Naphthalene Chrysene 2-Methylnaphthalene	0.0047 ug/L 0.0017 ug/L 0.0033 ug/L	No associated samples in this SDG
C032CR10	5/17/02	Naphthalene 2-Methylnaphthalene	0.0054 ug/L 0.0032 ug/L	No associated samples in this SDG

Sample C032CF02 was identified as a field source blank. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Field Source Blank ID	Sampling Date	Compound	Concentration	Associated Samples
C032CF02	5/13/02	Naphthalene	0.0042 ug/L	No associated samples in this SDG

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203084

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203084

SDG	Sample	Compound TIC (RT in minutes)	Modified Final Concentration	A or P
K2203084	C032CR05	Chrysene	0.020U ug/L	A
K2203084	C032CR06	Chrysene	0.020U ug/L	A
K2203084	C032CR08	Chrysene	0.020U ug/L	A
K2203084	C032CR09	Chrysene	0.020U ug/L	A

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203084

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 14, 2002

LDC Report Date: June 7, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203131

Sample Identification

C032C864	C032C940MS
C032C865	C032C940MSD
C032C866	
C032C867	
C032C868	
C032C886	
C032C887	
C032C888	
C032C889	
C032C890	
C032C882	
C032C883	
C032C884	
C032C885	
C032C895	
C032C896	
C032C897	
C032C898	
C032C939	
C032C940	

Introduction

This data review covers 22 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR06 (from SDG #K2203084) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR06	5/14/02	Naphthalene 2-Methylnaphthalene Chrysene	0.0074 ug/L 0.0031 ug/L 0.0015 ug/L	All samples in SDG K2203131

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C940MS/MSD (All samples in SDG K2203131)	Naphthalene	-	-	86 (≤40)	J (all detects) UJ (all non-detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C867 and C032C868 and samples C032C889 and C032C890 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C867	C032C868	
Naphthalene	4.1	5.1	22
Acenaphthylene	2.5	2.8	11
Phenanthrene	22	20	10
Anthracene	4.4	3.5	23
Fluoranthene	65	72	10
Pyrene	97	110	13
Benzo(a)anthracene	24	25	4
Chrysene	29	32	10

Compound	Concentration (ug/Kg)		RPD
	C032C867	C032C868	
Benzo(b)fluoranthene	38	48	23
Benzo(k)fluoranthene	27	37	31
Benzo(a)pyrene	55	68	21
Indeno(1,2,3-cd)pyrene	54	74	31
Dibenz(a,h)anthracene	4.6	4.9	6
Benzo(g,h,i)perylene	60	81	30

Compound	Concentration (ug/Kg)		RPD
	C032C889	C032C890	
Phenanthrene	3.9	9.0	79
Anthracene	6.0U	2.1	200
Fluoranthene	8.9	29	106
Pyrene	15	42	95
Benzo(a)anthracene	4.5	15	108
Chrysene	7.7	20	89
Benzo(b)fluoranthene	5.8	14	83
Benzo(k)fluoranthene	4.0	12	100
Benzo(a)pyrene	8.6	22	88
Indeno(1,2,3-cd)pyrene	7.1	17	82
Dibenz(a,h)anthracene	6.0U	2.4	200
Benzo(g,h,i)perylene	8.8	18	69

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203131

SDG	Sample	Compound	Flag	A or P	Reason
K2203131	C032C864 C032C865 C032C866 C032C867 C032C868 C032C886 C032C887 C032C888 C032C889 C032C890 C032C882 C032C883 C032C884 C032C885 C032C895 C032C896 C032C897 C032C898 C032C939 C032C940	Naphthalene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (RPD)

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203131

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203131

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 14, 2002

LDC Report Date: June 7, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203133

Sample Identification

C032C941	C032C251MS
C032C941DL	C032C251MSD
C032C942	
C032C191	
C032C192	
C032C193	
C032C194	
C032C248	
C032C249	
C032C250	
C032C251	
C032C327	
C032C327DL	
C032C328	
C032C329	
C032C330	
C032C345	
C032C346	
C032C347	
C032C348	

Introduction

This data review covers 22 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR06 (from SDG #K2203084) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR06	5/14/02	Naphthalene 2-Methylnaphthalene Chrysene	0.0074 ug/L 0.0031 ug/L 0.0015 ug/L	All samples in SDG K2203133

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C327	Perylene-d12	47154 (50247-200988)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032C94-	Phenanthrene Fluoranthene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C941	Phenanthrene Fluoranthene Pyrene	R R R	A

Sample	Compound	Flag	A or P
C032C941DL	All TCL compounds except Phenanthrene Fluoranthene Pyrene	R	A
C032C327	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R R R R R R	A
C032C327DL	All TCL compounds except Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203133

SDG	Sample	Compound	Flag	A or P	Reason
K2203133	C032C327	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
K2203133	C032C941	Phenanthrene Fluoranthene Pyrene	J (all detects) J (all detects) J (all detects)	A	Compound quantitation and CRQLs
K2203133	C032C941	Phenanthrene Fluoranthene Pyrene	R R R	A	Overall assessment of data
K2203133	C032C941DL	All TCL compounds except Phenanthrene Fluoranthene Pyrene	R	A	Overall assessment of data
K2203133	C032C327	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R R R R R R	A	Overall assessment of data
K2203133	C032C327DL	All TCL compounds except Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203133

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203133

No Sample Data Qualified in this SDG

LDC Report# 8542H2

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 15, 2002

LDC Report Date: June 7, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203174

Sample Identification

C032C243
C032C244
C032C245
C032C246
C032C247
C032C151
C032C152
C032C153
C032C154
C032C076
C032C077
C032C078
C032C079
C032C080
C032CA58
C032CA59
C032CA60
C032CA61
C032CA67
C032CA60MS
C032CA60MSD

Introduction

This data review covers 21 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR08 (from SDG #K2203084) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR08	5/15/02	Naphthalene Phenanthrene Fluoranthene Chrysene	0.0070 ug/L 0.0034 ug/L 0.0033 ug/L 0.0019 ug/L	All samples in SDG K2203174

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Flag	A or P
KWG0203421-3/4 (All samples in SDG K2203174)	Fluorene Phenanthrene Pyrene Benzo(a)anthracene Chrysene	- 62 (63-115) - - -	52 (57-117) 55 (63-115) 58 (62-128) 59 (63-128) 61 (66-128)	- - - - -	J (all detects) UJ (all non-detects)	P

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C244 and C032C245 and samples C032C079 and C032C080 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C244	C032C245	
Benzo(g h,i)perylene	3.0	3.8	24

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203174

SDG	Sample	Compound	Flag	A or P	Reason
K2203174	C032C243 C032C244 C032C245 C032C246 C032C247 C032C151 C032C152 C032C153 C032C154 C032C076 C032C077 C032C078 C032C079 C032C080 C032CA58 C032CA59 C032CA60 C032CA61 C032CA67	Fluorene Phenanthrene Pyrene Benzo(a)anthracene Chrysene	J (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203174

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203174

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 15, 2002

LDC Report Date: June 7, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203176

Sample Identification

C032CA68	C032CA23
C032CA68DL	C032CA23DL
C032CA69	C032CA24
C032CA70	C032CA25
C032C974	C032C976MS
C032C975	C032C976MSD
C032C976	C032C976REMS
C032C976RE	C032C976REMSD
C032C977	
C032C978	
C032CA18	
C032CA19	
C032CA20	
C032CA21	
C032CA22	
C032C904	
C032C905	
C032C905DL	
C032C906	
C032C907	

Introduction

This data review covers 28 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

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UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR08 (from SDG #K2203084) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR08	5/15/02	Naphthalene Phenanthrene Fluoranthene Chrysene	0.0070 ug/L 0.0034 ug/L 0.0033 ug/L 0.0019 ug/L	All samples in SDG K2203176

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C976MS/MSD	Naphthalene	-	-	41 (≤40)	J (all detects)	A
(C032CA68	2-Methylnaphthalene	-	-	48 (≤40)	UJ (all non-detects)	
C032CA68DL	Acenaphthylene	-	-	50 (≤40)		
C032CA69	Acenaphthene	-	-	49 (≤40)		
C032CA70	Fluorene	-	-	48 (≤40)		
C032C974	Phenanthrene	-	-	45 (≤40)		
C032C975	Anthracene	-	-	47 (≤40)		
C032C976	Fluoranthene	-	-	43 (≤40)		
C032C977	Pyrene	-	-	41 (≤40)		
C032C978	Benzo(a)anthracene	55 (64-145)	-	44 (≤40)		
C032CA18	Chrysene	49 (54-128)	-	42 (≤40)		
C032CA19	Benzo(b)fluoranthene	52 (64-138)	-	-		
C032CA20	Benzo(k)fluoranthene	53 (62-130)	-	45 (≤40)		
C032CA21	Benzo(a)pyrene	-	-	41 (≤40)		
C032CA22	Dibenz(a,h)anthracene	55 (61-144)	-	45 (≤40)		
C032C904						
C032C905						
C032C905DL						
C032C906						
C032C907						
C032CA23						
C032CA23DL						
C032CA24						
C032CA25)						

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032CA68	Fluoranthene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects)	A
C032C905	Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A
C032CA23	Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032CA68	Fluoranthene Pyrene	R R	A
C032CA68DL	All TCL compounds except Fluoranthene Pyrene	R	A

Sample	Compound	Flag	A or P
C032C905	Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	R R R R R R R R	A
C032C905DL	All TCL compounds except Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	R	A
C032CA23	Pyrene	R	A
C032CA23DL	All TCL compounds except Pyrene	R	A
C032C976	All TCL compounds	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C977 and C032C978 and samples C032CA21 and C032CA22 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C977	C032C978	
Naphthalene	3.6	3.0	18
Acenaphthylene	5.2	5.9U	200
Acenaphthene	2.3	5.9U	200
Phenanthrene	34	13	89
Anthracene	6.5	1.8	113

Compound	Concentration (ug/Kg)		RPD
	C032C977	C032C978	
Fluoranthene	91	32	96
Pyrene	110	46	82
Benzo(a)anthracene	33	12	93
Chrysene	34	15	78
Benzo(b)fluoranthene	61	17	113
Benzo(k)fluoranthene	16	13	21
Benzo(a)pyrene	68	23	99
Indeno(1,2,3-cd)pyrene	68	17	120
Dibenz(a,h)anthracene	5.8	1.9	101
Benzo(g,h,i)perylene	62	19	106

Compound	Concentration (ug/Kg)		RPD
	C032CA21	C032CA22	
Naphthalene	6.2	6.5	5
Acenaphthylene	5.4	4.8	12
Acenaphthene	4.7	5.1	8
Fluorene	2.1	3.8	58
Phenanthrene	50	61	20
Anthracene	8.6	11	24
Fluoranthene	120	110	9
Pyrene	150	140	7

Compound	Concentration (ug/Kg)		RPD
	C032CA21	C032CA22	
Benzo(a)anthracene	41	38	8
Chrysene	49	45	8
Benzo(b)fluoranthene	58	47	21
Benzo(k)fluoranthene	49	45	8
Benzo(a)pyrene	89	72	21
Indeno(1,2,3-cd)pyrene	76	57	29
Dibenz(a,h)anthracene	6.7	5.7	16
Benzo(g,h,i)perylene	84	62	30

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203176

SDG	Sample	Compound	Flag	A or P	Reason
K2203176	C032CA68 C032CA68DL C032CA69 C032CA70 C032C974 C032C975 C032C976 C032C977 C032C978 C032CA18 C032CA19 C032CA20 C032CA21 C032CA22 C032C904 C032C905 C032C905DL C032C906 C032C907 C032CA23 C032CA23DL C032CA24 C032CA25	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)(RPD)
K2203176	C032CA68	Fluoranthene Pyrene	J (all detects) J (all detects)	A	Compound quantitation and CRQLs
K2203176	C032C905	Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Compound quantitation and CRQLs
K2203176	C032CA23	Pyrene	J (all detects) J (all detects)	A	Compound quantitation and CRQLs
K2203176	C032CA68	Fluoranthene Pyrene	R R	A	Overall assessment of data
K2203176	C032CA68DL	All TCL compounds except Fluoranthene Pyrene	R	A	Overall assessment of data

SDG	Sample	Compound	Flag	A or P	Reason
K2203176	C032C905	Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	R R R R R R R R	A	Overall assessment of data
K2203176	C032C905DL	All TCL compounds except Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	R	A	Overall assessment of data
K2203176	C032CA23	Pyrene	R	A	Overall assessment of data
K2203176	C032CA23DL	All TCL compounds except Pyrene	R	A	Overall assessment of data
K2203176	C032C976	All TCL compounds	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203176

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203176

No Sample Data Qualified in this SDG

LDC Report# 8542J2

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 16, 2002

LDC Report Date: June 7, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203212

Sample Identification

C032CB15	C032C149MS
C032CB16	C032C149MSD
C032CB17	
C032CB18	
C032C965	
C032C966	
C032C967	
C032C968	
C032C969	
C032CA49	
C032CA50	
C032CA51	
C032CA52	
C032CB11	
C032CB12	
C032CB13	
C032CB14	
C032C147	
C032C148	
C032C149	

Introduction

This data review covers 22 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR09 (from SDG #K2203084) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR09	5/163/02	Naphthalene 2-Methylnaphthalene Chrysene	0.0047 ug/L 0.0033 ug/L 0.0017 ug/L	All samples in SDG K2203212

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C149MS/MSD (All samples in SDG K2203212)	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene	- - -	62 (64-145) 62 (64-138) 61 (62-130)	- - -	J (all detects) UJ (all non-detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C966 and C032C967 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions

Compound	Concentration (ug/Kg)		RPD
	C032C966	C032C967	
Acenaphthylene	5.3U	4.2	200
Fluorene	5.3U	1.9	200
Phenanthrene	4.3	31	151
Anthracene	5.3U	5.6	200
Fluoranthene	8.5	33	118
Pyrene	9.9	39	119
Benzo(a)anthracene	4.6	14	101
Chrysene	6.1	17	94

Compound	Concentration (ug/Kg)		RPD
	C032C966	C032C967	
Benzo(b)fluoranthene	8.3	21	87
Benzo(k)fluoranthene	2.3	6.8	99
Benzo(a)pyrene	5.5	16	98
Indeno(1,2,3-cd)pyrene	5.4	15	94
Dibenz(a,h)anthracene	5.3U	2.1	200
Benzo(g,h,i)perylene	4.9	13	90

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203212

SDG	Sample	Compound	Flag	A or P	Reason
K2203212	C032CB15 C032CB16 C032CB17 C032CB18 C032C965 C032C966 C032C967 C032C968 C032C969 C032CA49 C032CA50 C032CA51 C032CA52 C032CB11 C032CB12 C032CB13 C032CB14 C032C147 C032C148 C032C149	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203212

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203212

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 16, 2002

LDC Report Date: June 7, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203213

Sample Identification

C032C150
C032C279
C032C280
C032C281
C032C282
C032CB37
C032CB38
C032CB39
C032CB40
C032CB24
C032CB25
C032CB26
C032CB27
C032C318
C032C319
C032C320
C032C321
C032C322
C032C279MS
C032C279MSD

Introduction

This data review covers 20 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR09 was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR09	5/16/02	Naphthalene Chrysene 2-Methylnaphthalene	0.0047 ug/L 0.0017 ug/L 0.0033 ug/L	All samples in SDG K2203213

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C279MS/MSD (All samples in SDG K2203213)	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene	- 60 (64-138) 59 (62-130)	63 (64-145) 61 (64-138) 57 (62-130)	- - -	J (all detects) UJ (all non-detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C321 and C032C322 were identified as field duplicates. No polychlorinated biphenyls were detected in any of the samples.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203213

SDG	Sample	Compound	Flag	A or P	Reason
K2203213	C032C150 C032C279 C032C280 C032C281 C032C282 C032CB37 C032CB38 C032CB39 C032CB40 C032CB24 C032CB25 C032CB26 C032CB27 C032C318 C032C319 C032C320 C032C321 C032C322	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203213

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203213

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 17, 2002

LDC Report Date: June 7, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level IV

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203248

Sample Identification

C032C340	C032C779
C032C341	C032C780
C032C342	C032C778MS
C032C343	C032C778MSD
C032C344	C032C780MS
C032C235	C032C780MSD
C032C236	
C032C237	
C032C238	
C032C142	
C032C143	
C032C144	
C032C145	
C032C146	
C032C107	
C032C108	
C032C109	
C032C776	
C032C777	
C032C778	

Introduction

This data review covers 26 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR10 (from SDG #K2203084) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR10	5/17/02	Naphthalene 2-Methylnaphthalene	0.0054 ug/L 0.0032 ug/L	All samples in SDG K2203248

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Flag	A or P
KWG0203471-3/4 (C032C340	Phenanthrene	-	60 (63-115)	-	J (all detects) UJ (all non-detects)	P
C032C341 C032C342 C032C343 C032C344 C032C235 C032C236 C032C237 C032C238 C032C142 C032C143 C032C144 C032C145 C032C146 C032C107 C032C108 C032C109 C032C776 C032C777 C032C778 KWG0203470-5)	Fluoranthene	-	53 (54-132)	-	J (all detects) UJ (all non-detects)	

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

All target compound identifications were within validation criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was acceptable.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C343 and C032C344, samples C032C145 and C032C146 and samples C032C779 and C032C780 were identified as field duplicates. No polychlorinated biphenyls were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C779	C032C780	
Indeno(1,2,3-cd)pyrene	0.94	1.3	32
Benzo(g,h,i)perylene	6.0U	1.7	200

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203248

SDG	Sample	Compound	Flag	A or P	Reason
K2203248	C032C340 C032C341 C032C342 C032C343 C032C344 C032C235 C032C236 C032C237 C032C238 C032C142 C032C143 C032C144 C032C145 C032C146 C032C107 C032C108 C032C109 C032C776 C032C777 C032C778	Phenanthrene Fluoranthene	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Laboratory control samples (%R)

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203248

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203248

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 17, 2002

LDC Report Date: June 7, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203249

Sample Identification

C032C829	C032C432DL
C032C830	C032C433
C032C832	C032C434
C032C362	C032C435
C032C362DL	C032C436
C032C363	C032C435MS
C032C364	C032C435MSD
C032C365	
C032C375	
C032C375DL	
C032C376	
C032C377	
C032C377DL	
C032C378	
C032C401	
C032C402	
C032C403	
C032C404	
C032C405	
C032C432	

Introduction

This data review covers 27 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR10 (from SDG #K2203084) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR10	5/17/02	Naphthalene 2-Methylnaphthalene	0.0054 ug/L 0.0032 ug/L	All samples in SDG K2203249

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C362	Chrysene-d12 Perylene-d12	81902 (88311-353244) 68903 (75482-301928)	Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A
C032C375	Chrysene-d12 Perylene-d12	69397 (88311-353244) 56727 (75482-301928)	Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A
C032C377	Chrysene-d12 Perylene-d12	73428 (88311-353244) 59407 (75482-301928)	Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A
C032C432	Chrysene-d12 Perylene-d12	69376 (88311-353244) 55892 (75482-301928)	Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C362	Chrysene Benzo(b)fluoranthene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene Benzo(k)fluoranthene	R R R R R	A
C032C362DL	All TCL compounds except Chrysene Benzo(b)fluoranthene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene Benzo(k)fluoranthene	R	A
C032C375	Benzo(a)anthracene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	R R R R	A
C032C375DL	All TCL compounds except Benzo(a)anthracene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	R	A
C032C377	Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	R R R	A
C032C377DL	All TCL compounds except Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	R	A
C032C432	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene	R R R R	A

Sample	Compound	Flag	A or P
C032C432DL	All TCL compounds except Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C402 and C032C403 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C402	C032C403	
Indeno(1,2,3-cd)pyrene	0.69	0.86	22
Benzo(g,h,i)perylene	5.3U	1.5	200

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203249

SDG	Sample	Compound	Flag	A or P	Reason
K2203249	C032C362 C032C375 C032C377 C032C432	Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
K2203249	C032C362	Chrysene Benzo(b)fluoranthene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene Benzo(k)fluoranthene	R R R R R	A	Overall assessment of data
K2203249	C032C362DL	All TCL compounds except Chrysene Benzo(b)fluoranthene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene Benzo(k)fluoranthene	R	A	Overall assessment of data
K2203249	C032C375	Benzo(a)anthracene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	R R R R	A	Overall assessment of data
K2203249	C032C375DL	All TCL compounds except Benzo(a)anthracene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	R	A	Overall assessment of data
K2203249	C032C377	Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	R R R	A	Overall assessment of data
K2203249	C032C377DL	All TCL compounds except Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	R	A	Overall assessment of data
K2203249	C032C432	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene	R R R R	A	Overall assessment of data

SDG	Sample	Compound	Flag	A or P	Reason
K2203249	C032C432DL	All TCL compounds except Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203249

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203249

No Sample Data Qualified in this SDG

LABORATORY DATA CONSULTANTS, INC.
7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: 760/634-0439

Bechtel Environmental
1230 Columbia Street, Suite 400
San Diego, CA 92101
Attn: Mr. James Jordan

June 18, 2002

Project Name : NAS Alameda Point
Project # : CTO 032

On June 4, 2002 the following data packages were received by Laboratory Data Consultants, Inc. from Bechtel Environmental. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 8544:

SDG #	Fraction
G2E140179, G2E140187, G2E170196, G2E180154, G2E180162, G2E180164, G2E210156, G2E210158, G2E220159, G2E220164, G2E220168, G2E230183, G2E230185, G2E230192, 38345, 38357, 38369, 38393, 38435	Polynuclear Aromatic Hydrocarbons

The above SDGs were reviewed using Level III and Level IV guidelines. The analyses were validated using the following documents, as applicable to each method:

- NFESC Special Publication SP-2056-ENV, Navy Installation Restoration Chemical Data Quality Manual, Naval Facilities Engineering Command, September 1999
- USEPA, Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996

The data validators did utilize their professional judgement when evaluating the data to achieve the most complete and accurate assessment of the data. The data packages were reviewed according to the above stated validation procedures.

Alameda Point, CTO 32
Data Validation Reports
LDC# 8544

Polynuclear Aromatic Hydrocarbons

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 13, 2002

LDC Report Date: June 10, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E140179

Sample Identification

C032C041
C032C042
C032C043
C032C043DL
C032C044
C032C050
C032C050DL
C032C051
C032C052
C032C052DL
C032C053
C032C085
C032C086
C032C087
C032C087DL
C032C088
C032C155
C032C155DL
C032C156
C032C157
C032C158
C032C159
C032C041DLMS
C032C041DLMSD
C032C041DL

Introduction

This data review covers 25 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
5/21/02	Phenanthrene	27.3	C032C041 C032C043 C032C050 C032C052 C032C087 C032C155 C032C158	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR05, C032CR03 and C032CR04 (from SDG #K2203084) were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR05	5/13/02	Naphthalene Phenanthrene Chrysene	0.0036 ug/Kg 0.0086 ug/Kg 0.0023 ug/Kg	All samples in SDG G2E140179
C032CR03	5/13/02	Naphthalene Phenanthrene 2-Methylnaphthalene	0.0058 ug/L 0.0036 ug/L 0.0030 ug/L	All samples in SDG G2E140179
C032CR04	5/13/02	Naphthalene	0.0047 ug/L	All samples in SDG G2E140179

Sample C032CF02 (from SDG #K2203084) was identified as a field source blank. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Field Source Blank ID	Sampling Date	Compound	Concentration	Associated Samples
C032CF02	5/13/02	Naphthalene	0.042 ug/L	All samples in SDG G2E140179

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for several samples. Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were not within QC limits. Since the samples were diluted out, no data were qualified.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C052DL	Perylene-d12	179299 (185058-740230)	Di-n-octylphthalate Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A
C032C087DL	Phenanthrene-d10 Chrysene-d12 Perylene-d12	291033 (298651-1194606) 201439 (219601-878404) 164877 (185058-740230)	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Di-n-octylphthalate Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C043DL C032C050DL C032C052DL C032C087DL C032C155DL C032C041DL	All TCL compounds	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C156 and C032C157 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C156	C032C157	
Benzo(a)anthracene	0.46	0.83	57
Benzo(b)fluoranthene	0.63	0.90	35
Benzo(k)fluoranthene	0.43	1.1	88
Benzo(g,h,i)perylene	0.68	0.75	10

Compound	Concentration (ug/Kg)		RPD
	C032C156	C032C157	
Benzo(a)pyrene	0.54	0.82	41
Chrysene	0.45	1.2	91
Fluoranthene	0.71	1.6	77
Indeno(1,2,3-cd)pyrene	0.74	0.56	28
Phenanthrene	0.43	0.81	61
Pyrene	0.74	2.0	92

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E140179

SDG	Sample	Compound	Flag	A or P	Reason
G2E140179	C032C041 C032C043 C032C050 C032C052 C032C087 C032C155 C032C158	Phenanthrene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E140179	C032C052DL	Di-n-octylphthalate Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
G2E140179	C032C087DL	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Di-n-octylphthalate Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
G2E140179	C032C043DL C032C050DL C032C052DL C032C087DL C032C155DL C032C041DL	All TCL compounds	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E140179

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E140179

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 13, 2002

LDC Report Date: June 10, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E140187

Sample Identification

C032C820
C032C821
C032C822
C032C823
C032C824
C032C825
C032C825DL
C032C826
C032C826DL
C032C827
C032C827DL
C032C828
C032C789
C032C790
C032C791
C032C792
C032C793
C032C772
C032C772DL
C032C773
C032C774
C032C774DL
C032C775
C032C775DL
C032C820MS
C032C820MSD

Introduction

This data review covers 26 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
5/21/02	Phenanthrene	27.3	C032C825 C032C826 C032C827 C032C772 C032C774DL C032C775	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR05, C032CR03 and C032CR04 (from SDG #K2203084) were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR05	5/13/02	Naphthalene Phenanthrene Chrysene	0.0036 ug/Kg 0.0086 ug/Kg 0.0023 ug/Kg	All samples in SDG G2E140187
C032CR03	5/13/02	Naphthalene Phenanthrene 2-Methylnaphthalene	0.0058 ug/L 0.0036 ug/L 0.0030 ug/L	All samples in SDG G2E140187
C032CR04	5/13/02	Naphthalene	0.0047 ug/L	All samples in SDG G2E140187

Sample C032CF02 (from SDG #K2203084) was identified as a field source blank. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Field Source Blank ID	Sampling Date	Compound	Concentration	Associated Samples
C032CF02	5/13/02	Naphthalene	0.042 ug/L	All samples in SDG G2E140187

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for several samples. Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C828	Phenanthrene-d10	274644 (280833-1123332)	Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) UJ (all non-detects)	A

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032C774	Fluoranthene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C774	Fluoranthene Pyrene	R R	A
C032C774DL	All TCL compounds except Fluoranthene Pyrene	R	A
C032C825DL C032C826DL C032C827DL C032C772DL C032C775DL	All TCL compounds	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C823 and C032C824 and samples C032C790 and C032C791 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C823	C032C824	
Benzo(a)anthracene	1.5	2.0	29
Benzo(b)fluoranthene	1.9	2.8	38
Benzo(k)fluoranthene	1.9	2.7	35

Compound	Concentration (ug/Kg)		RPD
	C032C823	C032C824	
Benzo(g,h,i)perylene	2.3	4.3	61
Benzo(a)pyrene	2.6	3.7	35
Chrysene	2.2	2.7	20
Dibenz(a,h)anthracene	6.0U	0.30	200
Fluoranthene	3.2	4.2	27
Indeno(1,2,3-cd)pyrene	2.1	4.0	62
Naphthalene	6.0U	0.37	200
Phenanthrene	1.2	0.72	50
Pyrene	8.7	10	14

Compound	Concentration (ug/Kg)		RPD
	C032C790	C032C791	
Benzo(a)anthracene	0.82	0.59	33
Benzo(b)fluoranthene	1.2	0.77	44
Benzo(k)fluoranthene	1.4	1.1	24
Benzo(g,h,i)perylene	1.3	0.84	43
Benzo(a)pyrene	1.1	0.82	29
Chrysene	1.4	0.98	35
Dibenz(a,h)anthracene	0.24	6.2U	200
Fluoranthene	1.6	0.90	56
Indeno(1,2,3-cd)pyrene	1.1	0.83	28

Compound	Concentration (ug/Kg)		RPD
	C032C790	C032C791	
2-Methylnaphthalene	0.79	0.41	63
Naphthalene	0.56	0.45	22
Phenanthrene	1.1	0.64	53
Pyrene	1.8	1.4	25

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E140187

SDG	Sample	Compound	Flag	A or P	Reason
G2E140187	C032C825 C032C826 C032C827 C032C772 C032C774DL C032C775	Phenanthrene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E140187	C032C828	Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
G2E140187	C032C774	Fluoranthene Pyrene	J (all detects) J (all detects)	A	Compound quantitation and CRQLs
G2E140187	C032C774	Fluoranthene Pyrene	R R	A	Overall assessment of data
G2E140187	C032C774DL	All TCL compounds except Fluoranthene Pyrene	R	A	Overall assessment of data
G2E140187	C032C825DL C032C826DL C032C827DL C032C772DL C032C775DL	All TCL compounds	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E140187

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E140187

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 16, 2002

LDC Report Date: June 10, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E170196

Sample Identification

C032C996
C032C997
C032C998
C032C999
C032C000
C032C921
C032C922
C032C923
C032C924
C032C925
C032C922MS
C032C922MSD

Introduction

This data review covers 12 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

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R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

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A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
5/19/02	Benzo(b)fluoranthene	29.7	All samples in SDG G2E170196	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR09 (from SDG #K2203084) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR09	5/16/02	Naphthalene 2-Methylnaphthalene Chrysene	0.0047 ug/L 0.0033 ug/L 0.0017 ug/L	All samples in SDG G2E170196

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C999 and C032C000 and samples C032C922 and C032C923 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C999	C032C000	
Benzo(a)anthracene	0.37	0.47	24
Benzo(b)fluoranthene	0.69	0.72	4
Benzo(k)fluoranthene	0.82	1.1	29
Benzo(g,h,i)perylene	1.2	1.5	22
Benzo(a)pyrene	0.89	1.1	21
Chrysene	0.56	0.65	15
Fluoranthene	0.51	0.65	24
Indeno(1 2,3-cd)pyrene	1.0	1.2	18
Pyrene	0.89	1.1	21

Compound	Concentration (ug/Kg)		RPD
	C032C922	C032C923	
Benzo(a)anthracene	1.1	0.92	18
Benzo(b)fluoranthene	1.5	1.3	14
Benzo(k)fluoranthene	1.9	1.8	5
Benzo(g,h,i)perylene	5.3U	1.7	200
Benzo(a)pyrene	1.9	1.8	5
Chrysene	1.7	1.5	12
Fluoranthene	1.7	1.8	6
Indeno(1,2,3-cd)pyrene	1.4	1.5	7
Phenanthrene	0.57	0.86	41
Pyrene	2.2	2.0	10

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E170196

SDG	Sample	Compound	Flag	A or P	Reason
G2E170196	C032C996 C032C997 C032C998 C032C999 C032C000 C032C921 C032C922 C032C923 C032C924 C032C925	Benzo(b)fluoranthene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E170196

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E170196

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 17, 2002

LDC Report Date: June 10, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level IV

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E180154

Sample Identification

C032C314
C032C315
C032C316
C032C317
C032C204
C032C205
C032C206
C032C207
C032C110
C032C357
C032C358
C032C359
C032C360
C032C361
C032C379
C032C361MS
C032C361MSD

Introduction

This data review covers 17 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR10 (from SDG #K2203084) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR10	5/17/02	Naphthalene 2-Methylnaphthalene	0.0054 ug/L 0.0032 ug/L	All samples in SDG G2E180154

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for several samples. Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

All target compound identifications were within validation criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was acceptable.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C358 and C032C359 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C358	C032C359	
Benzo(a)anthracene	1.6	1.2	29
Benzo(b)fluoranthene	3.5	2.0	54
Benzo(k)fluoranthene	1.6	1.9	17
Benzo(g,h,i)perylene	5.8	2.9	67
Benzo(a)pyrene	3.2	2.2	37
Chrysene	4.8	3.2	40
Dibenz(a,h)anthracene	1.2	0.82	38
Fluoranthene	1.5	1.7	12
Indeno(1,2,3-cd)pyrene	2.0	5.2U	200
2-Methylnaphthalene	0.58	5.2U	200
Naphthalene	0.44	0.34	26
Phenanthrene	2.6	1.6	48

Compound	Concentration (ug/Kg)		RPD
	C032C358	C032C359	
Pyrene	2.2	2.1	5

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E180154

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E180154

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E180154

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 17, 2002

LDC Report Date: June 10, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E180162

Sample Identification

C032C855
C032C856
C032C857
C032C858
C032C859
C032C380
C032C381
C032C382
C032C383
C032C440
C032C855MS
C032C855MSD

Introduction

This data review covers 12 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

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A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

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P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR10 (from SDG #K2203084) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR10	5/17/02	Naphthalene 2-Methylnaphthalene	0.0054 ug/L 0.0032 ug/L	All samples in SDG G2E180162

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C856 and C032C857 and samples C032C380 and C032C381 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C856	C032C857	
Benzo(k)fluoranthene	0.48	0.40	18
Benzo(g,h,i)perylene	2.2	1.2	59
Benzo(a)pyrene	0.46	5.4U	200
Chrysene	0.52	0.38	31
Fluoranthene	0.52	0.51	2
Indeno(1,2,3-cd)pyrene	0.98	5.4U	200
Pyrene	0.68	0.66	3

Compound	Concentration (ug/Kg)		RPD
	C032C380	C032C381	
Anthracene	5.3U	1.3	200
Benzo(a)anthracene	3.6	3.5	3
Benzo(b)fluoranthene	6.7	4.8	33

Compound	Concentration (ug/Kg)		RPD
	C032C380	C032C381	
Benzo(k)fluoranthene	7.3	5.4	30
Benzo(g,h,i)perylene	7.3	5.0	37
Benzo(a)pyrene	7.8	6.5	18
Chrysene	14	13	7
Dibenz(a,h)anthracene	2.3	2.6	12
Fluoranthene	6.1	6.0	2
Indeno(1,2,3-cd)pyrene	5.9	4.5	27
2-Methylnaphthalene	0.32	0.38	17
Naphthalene	0.68	0.53	25
Phenanthrene	21	18	15
Pyrene	12	10	18

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E180162

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E180162

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E180162

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 17, 2002

LDC Report Date: June 10, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E180164

Sample Identification

C032C781
C032C782
C032C783
C032C784
C032C803
C032C804
C032C805
C032C806
C032C397
C032C398
C032C399
C032C400
C032C437
C032C438
C032C439
C032C437MS
C032C437MSD

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III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
5/20/02	Phenanthrene	28.1	All samples in SDG G2E180164	J (all detects) UJ (all non-detects)	A
	Benzo(a)anthracene	27.6		J (all detects) UJ (all non-detects)	

All of the continuing calibration RRF values were greater than or equal to 0.05

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Extraction Date	Compound TIC (RT in minutes)	Concentration	Associated Samples
2140572MB	5/19/02	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene Indeno(1,2,3-cd)pyrene 2-Methylnaphthalene Dibenz(a,h)anthracene	0.35 ug/Kg 1.1 ug/Kg 0.72 ug/Kg 0.73 ug/Kg 0.49 ug/Kg 0.33 ug/Kg 0.50 ug/Kg	All samples in SDG G2E180164

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Compound TIC (RT in minutes)	Reported Concentration	Modified Final Concentration
C032C782	Benzo(k)fluoranthene Chrysene	0.38 ug/Kg 0.43 ug/Kg	5.5U ug/Kg 5.5U ug/Kg
C032C783	Benzo(k)fluoranthene	0.36 ug/Kg	5.8U ug/Kg
C032C784	Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	0.44 ug/Kg 0.65 ug/Kg	6.1U ug/Kg 6.1U ug/Kg
C032C803	Benzo(k)fluoranthene Chrysene 2-Methylnaphthalene	0.60 ug/Kg 0.67 ug/Kg 0.71 ug/Kg	5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg
C032C397 (20x)	Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene	22 ug/Kg 19 ug/Kg 84 ug/Kg 30 ug/Kg	100U ug/Kg 100U ug/Kg 100U ug/Kg 100U ug/Kg
C032C398	Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene 2-Methylnaphthalene	1.2 ug/Kg 0.81 ug/Kg 3.1 ug/Kg 0.43 ug/Kg	5.2U ug/Kg 5.2U ug/Kg 5.2U ug/Kg 5.2U ug/Kg
C032C399 (5x)	Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene	3.8 ug/Kg 2.5 ug/Kg 12 ug/Kg	26U ug/Kg 26U ug/Kg 26U ug/Kg

Sample	Compound TIC (RT in minutes)	Reported Concentration	Modified Final Concentration
C032C400	Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene	0.65 ug/Kg 0.44 ug/Kg 1.0 ug/Kg	5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg
C032C437	Benzo(b)fluoranthene 2-Methylnaphthalene Dibenz(a,h)anthracene	4.4 ug/Kg 0.41 ug/Kg 1.4 ug/Kg	5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg
C032C438	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene 2-Methylnaphthalene Dibenz(a,h)anthracene	1.7 ug/Kg 2.8 ug/Kg 2.4 ug/Kg 0.56 ug/Kg 0.95 ug/Kg	5.5U ug/Kg 5.5U ug/Kg 5.5U ug/Kg 5.5U ug/Kg 5.5U ug/Kg
C032C439	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene 2-Methylnaphthalene	1.1 ug/Kg 1.7 ug/Kg 2.4 ug/Kg 3.0 ug/Kg 0.42 ug/Kg	5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg

Sample C032CR10 (from SDG #K2203084) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR10	5/17/02	Naphthalene 2-Methylnaphthalene	0.0054 ug/L 0.0032 ug/L	All samples in SDG G2E180164

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for samples C032C399 and C032C397 . Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C437MS/MSD (All samples in SDG G2E180164)	Pyrene	29 (30-150)	22 (30-150)	-	J (all detects) UJ (all non-detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E180164

SDG	Sample	Compound	Flag	A or P	Reason
G2E180164	C032C781 C032C782 C032C783 C032C784 C032C803 C032C804 C032C805 C032C806 C032C397 C032C398 C032C399 C032C400 C032C437 C032C438 C032C439	Phenanthrene Benzo(a)anthracene	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E180164	C032C781 C032C782 C032C783 C032C784 C032C803 C032C804 C032C805 C032C806 C032C397 C032C398 C032C399 C032C400 C032C437 C032C438 C032C439	Pyrene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E180164

SDG	Sample	Compound TIC (RT in minutes)	Modified Final Concentration	A or P
G2E180164	C032C782	Benzo(k)fluoranthene Chrysene	5.5U ug/Kg 5.5U ug/Kg	A
G2E180164	C032C783	Benzo(k)fluoranthene	5.8U ug/Kg	A
G2E180164	C032C784	Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	6.1U ug/Kg 6.1U ug/Kg	A
G2E180164	C032C803	Benzo(k)fluoranthene Chrysene 2-Methylnaphthalene	5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg	A

SDG	Sample	Compound TIC (RT in minutes)	Modified Final Concentration	A or P
G2E180164	C032C397 (20x)	Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene	100U ug/Kg 100U ug/Kg 100U ug/Kg 100U ug/Kg	A
G2E180164	C032C398	Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene 2-Methylnaphthalene	5.2U ug/Kg 5.2U ug/Kg 5.2U ug/Kg 5.2U ug/Kg	A
G2E180164	C032C399 (5x)	Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene	26U ug/Kg 26U ug/Kg 26U ug/Kg	A
G2E180164	C032C400	Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene	5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg	A
G2E180164	C032C437	Benzo(b)fluoranthene 2-Methylnaphthalene Dibenz(a,h)anthracene	5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg	A
G2E180164	C032C438	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene 2-Methylnaphthalene Dibenz(a,h)anthracene	5.5U ug/Kg 5.5U ug/Kg 5.5U ug/Kg 5.5U ug/Kg 5.5U ug/Kg	A
G2E180164	C032C439	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene 2-Methylnaphthalene	5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg	A

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E180164

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 20, 2002

LDC Report Date: June 10, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E210156

Sample Identification

C032C876
C032CA84
C032CA85
C032CA86
C032CA87
C032CA88
C032C869
C032C870
C032C871
C032C872
C032C869MS
C032C869MSD

Introduction

This data review covers 12 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR011 (from SDG #38470) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032CA87 and C032CA88 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032CA87	C032CA88	
Benzo(a)anthracene	2.3	2.0	14
Benzo(b)fluoranthene	1.9	1.5	23
Benzo(k)fluoranthene	2.4	1.9	23
Benzo(g,h,i)perylene	3.2	2.3	33
Benzo(a)pyrene	3.2	2.4	29
Chrysene	2.6	2.1	21
Dibenz(a,h)anthracene	0.32	0.39	20
Fluoranthene	6.1	3.7	49
Indeno(1,2,3-cd)pyrene	3.5	2.4	37
2-Methylnaphthalene	0.57	0.46	21
Naphthalene	0.77	0.55	33
Phenanthrene	2.5	1.7	38
Pyrene	6.9	5.1	30

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E210156

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E210156

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E210156

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 20, 2002

LDC Report Date: June 14, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E210158

Sample Identification

C032C482
C032C483
C032C484
C032C393
C032C394
C032C395
C032C396
C032C467
C032C468
C032C469
C032C470
C032C471
C032C873
C032C874
C032C875
C032C482MS
C032C482MSD

Introduction

This data review covers 17 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
5/22/02	Indeno(1,2,3-cd)pyrene	26.4	C032C482 C032C483	J (all detects) UJ (all non-detects)	A
	Dibenz(a,h)anthracene	27.1	C032C484 C032C393 C032C394 C032C395 C032C396 C032C467 C032C468 C032C469 C032C482MS C032C482MSD 2141458MB	J (all detects) UJ (all non-detects)	
5/23/02	Benzo(k)fluoranthene	25.43261	C032C470 C032C471	J (all detects) UJ (all non-detects)	A
	Dibenz(a,h)anthracene	26.92641	C032C873 C032C874 C032C875	J (all detects) UJ (all non-detects)	

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR011 (from SDG #38470) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas were outside the QC limits of -50% to +100% of the associated continuing calibration.

Several problems related to the initial calibration and continuing calibration internal standards were identified.

Sample	Finding	Associated Compound	Flag	A or P
All samples in SDG G2E210158	1.) Area counts of all internal standards, surrogates and target compounds in the midpoint standard were >2x the area counts in the other initial calibration standards analyzed 5/21/02. 2.) Area counts of all internal standards, surrogates and target compounds in the continuing calibration were >2x the area counts in the initial calibration standards analyzed 5/21/02 except the midpoint standard. 3.) Area counts of all internal standards of the continuing calibration were >2x the area counts in all samples and method blanks as applicable.	All TCL compounds	J (all detects) UJ (all non-detects)	P

The laboratory indicated that the area counts were extremely high for all internal standards, surrogates and target compounds in the midpoint standard of the initial calibration and continuing calibration standards because the standard solution used to prepare these standards has concentrated.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C468 and C032C469 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C468	C032C469	
Benzo(a)pyrene	5.2U	0.43	200
Chrysene	5.2U	0.38	200
Fluoranthene	5.2U	0.31	200
Phenanthrene	0.46	0.47	2

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E210158

SDG	Sample	Compound	Flag	A or P	Reason
G2E210158	C032C482 C032C483 C032C484 C032C393 C032C394 C032C395 C032C396 C032C467 C032C468 C032C469	Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E210158	C032C470 C032C471 C032C873 C032C874 C032C875	Benzo(k)fluoranthene Dibenz(a,h)anthracene	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E210158	C032C482 C032C483 C032C484 C032C393 C032C394 C032C395 C032C396 C032C467 C032C468 C032C469 C032C470 C032C471 C032C873 C032C874 C032C875	All TCL compounds	J (all detects) UJ (all non-detects)	P	Internal standards

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E210158

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E210158

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 21, 2002

LDC Report Date: June 14, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E220159

Sample Identification

C032C059
C032C060
C032C061
C032C062
C032C160
C032C161
C032C162
C032C163
C032C992
C032C993
C032C994
C032C961
C032C962
C032C963
C032C964
C032C060MS
C032C060MSD

Introduction

This data review covers 17 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR012 and C032CR13 (from SDG #38470) were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas were outside the QC limits of -50% to +100% of the associated continuing calibration.

Several problems related to the initial calibration and continuing calibration internal standards were identified.

Sample	Finding	Associated Compound	Flag	A or P
All samples in SDG G2E220159	1.) Area counts of all internal standards, surrogates and target compounds in the midpoint standard were >2x the area counts in the other initial calibration standards analyzed 5/21/02. 2.) Area counts of all internal standards, surrogates and target compounds in the continuing calibration were >2x the area counts in the initial calibration standards analyzed 5/21/02 except the midpoint standard. 3.) Area counts of all internal standards of the continuing calibration were >2x the area counts in all samples and method blanks as applicable.	All TCL compounds	J (all detects) UJ (all non-detects)	P

The laboratory indicated that the area counts were extremely high for all internal standards, surrogates and target compounds in the midpoint standard of the initial calibration and continuing calibration standards because the standard solution used to prepare these standards has concentrated.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E220159

SDG	Sample	Compound	Flag	A or P	Reason
G2E220159	C032C059 C032C060 C032C061 C032C062 C032C160 C032C161 C032C162 C032C163 C032C992 C032C993 C032C994 C032C961 C032C962 C032C963 C032C964	All TCL compounds	J (all detects) UJ (all non-detects)	P	Internal standards

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E220159

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E220159

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 21, 2002

LDC Report Date: June 14, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E220164

Sample Identification

C032C164
C032C165
C032C166
C032C167
C032C168
C032C860
C032C861
C032C862
C032C863
C032C374
C032C165MS
C032C165MSD

Introduction

This data review covers 12 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

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The following are definitions of the data qualifiers:

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J Indicates an estimated value.

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I. Technical Holding Times

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II. GC/MS Instrument Performance Check

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III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR12 and C032CR12 (from SDG #38470) were identified as blanks. No polynuclear aromatic hydrocarbon contaminants were found in these blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas were outside the QC limits of -50% to +100% of the associated continuing calibration.

Several problems related to the initial calibration and continuing calibration internal standards were identified.

Sample	Finding	Associated Compound	Flag	A or P
All samples in SDG G2E220164	1.) Area counts of all internal standards, surrogates and target compounds in the midpoint standard were >2x the area counts in the other initial calibration standards analyzed 5/21/02. 2.) Area counts of all internal standards, surrogates and target compounds in the continuing calibration were >2x the area counts in the initial calibration standards analyzed 5/21/02 except the midpoint standard. 3.) Area counts of all internal standards of the continuing calibration were >2x the area counts in all samples and method blanks as applicable.	All TCL compounds	J (all detects) UJ (all non-detects)	P

The laboratory indicated that the area counts were extremely high for all internal standards, surrogates and target compounds in the midpoint standard of the initial calibration and continuing calibration standards because the standard solution used to prepare these standards has concentrated.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C167 and C032C168 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C167	C032C168	
Benzo(a)anthracene	2.6	1.7	42
Benzo(b)fluoranthene	1.2	1.3	8
Benzo(k)fluoranthene	2.1	0.92	78
Chrysene	9.9	5.5	57
Fluoranthene	0.81	0.64	23
2-Methylnaphthalene	0.40	5.8U	200
Phenanthrene	2.0	1.0	67
Pyrene	2.7	1.6	51

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E220164

SDG	Sample	Compound	Flag	A or P	Reason
G2E220164	C032C164 C032C165 C032C166 C032C167 C032C168 C032C860 C032C861 C032C862 C032C863 C032C374	All TCL compounds	J (all detects) UJ (all non-detects)	P	Internal standards

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E220164

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E220164

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 21, 2002

LDC Report Date: June 12, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E220168

Sample Identification

C032C349
C032C350
C032C351
C032C352
C032C384
C032C385
C032C386
C032C387
C032C441
C032C442
C032C443
C032C444
C032C371
C032C372
C032C373
C032C350MS
C032C350MSD

Introduction

This data review covers 17 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR12 and C032CR12 (from SDG #38470) were identified as blanks. No polynuclear aromatic hydrocarbon contaminants were found in these blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C350MS/MSD (All samples in SDG 38393)	Anthracene	-	-	36 (≤30)	J (all detects) UJ (all non-detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
2142630MB	Perylene-d12	386050 (449733-1798932)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C349	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12 Perylene-d12	604401 (791815-3167260) 297575 (343500-1373998) 508834 (874306-3497222) 465684 (729498-2917992) 305953 (449733-1798932)	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032C352	Phenanthrene-d10	869277 (874306-349822)	Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) UJ (all non-detects)	P
C032C384	Phenanthrene-d10	802043 (874306-349822)	Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) UJ (all non-detects)	P
C032C385	Acenaphthene-d10 Perylene-d12	332505 (343500-1373998) 439034 (449733-1798932)	Acenaphthylene Acenaphthene Fluorene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P
C032C386	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12 Perylene-d12	546042 (791815-3167260) 266338 (343500-1373998) 511572 (874306-349822) 469911 (729498-2917992) 282046 (449733-1798932)	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032C387	Acenaphthene-d10 Phenanthrene-d10 Perylene-d12	281622 (343500-1373998) 842439 (874306-349822) 433646 (449733-1798932)	Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene Pyrene	J (all detects) UJ (all non-detects)	P
C032C441	Phenanthrene-d10	801728 (874306-3497222)	Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) UJ (all non-detects)	P

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C442	Phenanthrene-d10 Chrysene-d12 Perylene-d12	728942 (874306-3497222) 627677 (729498-2917992) 392706 (449733-1798932)	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P
C032C444	Chrysene-d12 Perylene-d12	712187 (729498-2917992) 449639 (449733-1798932)	Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P
C032C371	Phenanthrene-d10 Chrysene-d12	802234 (874306-3497222) 728115 (729498-2917992)	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene	J (all detects) UJ (all non-detects)	P
C032C373	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12	781329 (791815-3167260) 275825 (343500-1373998) 795503 (874306-349822) 674634 (729498-2917992)	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene	J (all detects) UJ (all non-detects)	P

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E220168

SDG	Sample	Compound	Flag	A or P	Reason
G2E220168	C032C349 C032C350 C032C351 C032C352 C032C384 C032C385 C032C386 C032C387 C032C441 C032C442 C032C443 C032C444 C032C371 C032C372 C032C373	Anthracene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (RPD)
G2E220168	C032C349 C032C386	All TCL compounds	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E220168	C032C352 C032C384 C032C441	Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E220168	C032C385	Acenaphthylene Acenaphthene Fluorene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E220168	C032C387	Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene Pyrene	J (all detects) UJ (all non-detects)	P	Internal standards (area)

SDG	Sample	Compound	Flag	A or P	Reason
G2E220168	C032C442	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E220168	C032C444	Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E220168	C032C371	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E220168	C032C373	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene	J (all detects) UJ (all non-detects)	P	Internal standards (area)

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E220168

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E220168

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 22, 2002

LDC Report Date: June 11, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E230183

Sample Identification

C032C252
C032C253
C032C254
C032C255
C032C256
C032C253MS
C032C253MSD

Introduction

This data review covers 7 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
5/25/02	Benzo(g,h,i)perylene	28.4	All samples in SDG G2E230183	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Extraction Date	Compound TIC (RT in minutes)	Concentration	Associated Samples
2143513MB	5/23/02	Benzo(g,h,i)perylene	3.7 ug/Kg	All samples in SDG G2E230183

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Compound TIC (RT in minutes)	Reported Concentration	Modified Final Concentration
C032C252	Benzo(g,h,i)perylene	8.7 ug/Kg	8.7U ug/Kg
C032C253	Benzo(g,h,i)perylene	8.0 ug/Kg	8.0U ug/Kg
C032C254	Benzo(g,h,i)perylene	6.5 ug/Kg	6.5U ug/Kg
C032C255	Benzo(g,h,i)perylene	6.5 ug/Kg	6.5U ug/Kg
C032C256	Benzo(g,h,i)perylene	3.9 ug/Kg	5.9U ug/Kg

Samples C032CR14, C032CR15 and C032CR16 (from SDG #38470) were identified as blanks No polynuclear aromatic hydrocarbon contaminants were found in these blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C253MS/MSD (All samples in SDG G2E230183)	Phenanthrene	11 (30-150)	21 (30-150)	-	J (all detects) UJ (all non-detects)	A
	Fluoranthene	19 (30-150)	-	-	J (all detects) UJ (all non-detects)	
C032C253MS/MSD (All samples in SDG G2E230183)	Pyrene	0 (30-150)	13 (30-150)	-	J (all detects) R (all non-detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C255 and C032C256 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C255	C032C256	
Indeno(1,2,3-cd)pyrene	7.3	4.9	39
2-Methylnaphthalene	0.59	0.46	25
Naphthalene	0.91	5.9U	200
Phenanthrene	2.3	1.1	71
Acenaphthene	4.8	2.0	82
Anthracene	1.2	0.47	87
Benzo(a)anthracene	3.3	1.4	81
Benzo(b)fluoranthene	7.1	3.9	58
Benzo(k)fluoranthene	6.7	3.9	53
Benzo(g,h,i)perylene	6.5	4.4	38
Benzo(a)pyrene	8.4	3.4	85
Chrysene	4.3	2.0	73
Dibenz(a,h)anthracene	1.5	5.9U	200
Fluoranthene	7.0	3.3	72
Pyrene	13	7.1	59

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E230183

SDG	Sample	Compound	Flag	A or P	Reason
G2E230183	C032C252 C032C253 C032C254 C032C255 C032C256	Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E230183	C032C252 C032C253 C032C254 C032C255 C032C256	Phenanthrene Fluoranthene	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)
G2E230183	C032C252 C032C253 C032C254 C032C255 C032C256	Pyrene	J (all detects) R (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E230183

SDG	Sample	Compound TIC (RT in minutes)	Modified Final Concentration	A or P
G2E230183	C032C252	Benzo(g,h,i)perylene	8.7U ug/Kg	A
G2E230183	C032C253	Benzo(g,h,i)perylene	8.0U ug/Kg	A
G2E230183	C032C254	Benzo(g,h,i)perylene	6.5U ug/Kg	A
G2E230183	C032C255	Benzo(g,h,i)perylene	6.5U ug/Kg	A
G2E230183	C032C256	Benzo(g,h,i)perylene	5.9U ug/Kg	A

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E230183

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 22, 2002

LDC Report Date: June 11, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E230185

Sample Identification

C032CA95
C032CA96
C032CA01
C032CA02
C032CA03
C032CA04
C032C261
C032C262
C032C263
C032C264
C032C264DL
C032C221
C032C222
C032C223
C032C224
C032C225
C032C221MS
C032C221MSD

Introduction

This data review covers 18 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
5/25/02	Benzo(g,h,i)perylene	28.4	C032C263 C032C264DL	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Extraction Date	Compound TIC (RT in minutes)	Concentration	Associated Samples
2143516MB	5/23/02	Benzo(a)anthracene	0.68 ug/Kg	All samples in SDG G2E230185
		Benzo(b)fluoranthene	0.66 ug/Kg	
		Benzo(k)fluoranthene	1.3 ug/Kg	
		Benzo(g,h,i)perylene	1.1 ug/Kg	
		Benzo(a)pyrene	0.63 ug/Kg	
		Chrysene	0.54 ug/Kg	
		Fluoranthene	0.57 ug/Kg	
		Indeno(1,2,3-cd)pyrene	0.92 ug/Kg	
		2-Methylnaphthalene	0.34 ug/Kg	
		Naphthalene	0.32 ug/Kg	
		Phenanthrene	0.52 ug/Kg	
		Pyrene	0.56 ug/Kg	
		Dibenz(a,h)anthracene	0.77 ug/Kg	

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Compound TIC (RT in minutes)	Reported Concentration	Modified Final Concentration
C032CA95	Benzo(a)anthracene	1.30 ug/Kg	5.4U ug/Kg
	Benzo(b)fluoranthene	2.0 ug/Kg	5.4U ug/Kg
	Benzo(k)fluoranthene	1.7 ug/Kg	5.4U ug/Kg
	Benzo(g,h,i)perylene	4.5 ug/Kg	5.4U ug/Kg
	Benzo(a)pyrene	2.4 ug/Kg	5.4U ug/Kg
	Chrysene	2.5 ug/Kg	5.4U ug/Kg
	Fluoranthene	1.8 ug/Kg	5.4U ug/Kg
	Indeno(1,2,3-cd)pyrene	2.8 ug/Kg	5.4U ug/Kg
	2-Methylnaphthalene	0.49 ug/Kg	5.4U ug/Kg
	Naphthalene	0.46 ug/Kg	5.4U ug/Kg
	Phenanthrene	1.9 ug/Kg	5.4U ug/Kg
	Pyrene	2.8 ug/Kg	5.4U ug/Kg
	Dibenz(a,h)anthracene	0.60 ug/Kg	5.4U ug/Kg
C032CA96	Benzo(a)anthracene	3.3 ug/Kg	5.7U ug/Kg
	Benzo(b)fluoranthene	3.0 ug/Kg	5.7U ug/Kg
	Benzo(k)fluoranthene	3.3 ug/Kg	5.7U ug/Kg
	Benzo(g,h,i)perylene	3.8 ug/Kg	5.7U ug/Kg
	Indeno(1,2,3-cd)pyrene	3.6 ug/Kg	5.7U ug/Kg
	2-Methylnaphthalene	0.63 ug/Kg	5.7U ug/Kg
	Naphthalene	0.64 ug/Kg	5.7U ug/Kg
	Dibenz(a,h)anthracene	0.71 ug/Kg	5.7U ug/Kg

Sample	Compound TIC (RT in minutes)	Reported Concentration	Modified Final Concentration
C032CA01	2-Methylnaphthalene Naphthalene Dibenz(a,h)anthracene	0.43 ug/Kg 0.53 ug/Kg 2.6 ug/Kg	5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg
C032CA02	Naphthalene Dibenz(a,h)anthracene	0.51 ug/Kg 4.6 ug/Kg	5.3U ug/Kg 5.3U ug/Kg
C032CA03	2-Methylnaphthalene Naphthalene Dibenz(a,h)anthracene	0.40 ug/Kg 0.42 ug/Kg 1.9 ug/Kg	5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg
C032CA04	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Chrysene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	1.5 ug/Kg 2.1 ug/Kg 2.4 ug/Kg 4.1 ug/Kg 2.0 ug/Kg 2.4 ug/Kg 3.5 ug/Kg 0.44 ug/Kg 3.8 ug/Kg	5.8U ug/Kg 5.8U ug/Kg 5.8U ug/Kg 5.8U ug/Kg 5.8U ug/Kg 5.8U ug/Kg 5.8U ug/Kg 5.8U ug/Kg 5.8U ug/Kg
C032C262	2-Methylnaphthalene	0.86 ug/Kg	5.5U ug/Kg
C032C263	2-Methylnaphthalene (200x)	200 ug/Kg	1100U ug/Kg
C032C264DL	2-Methylnaphthalene (100x)	52 ug/Kg	570U ug/Kg
C032C221	2-Methylnaphthalene	0.62 ug/Kg	5.3U ug/Kg
C032C222	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene Phenanthrene	1.9 ug/Kg 3.3 ug/Kg 3.0 ug/Kg 2.3 ug/Kg 1.7 ug/Kg	5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg
C032C223	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene Phenanthrene	1.7 ug/Kg 2.8 ug/Kg 2.3 ug/Kg 2.1 ug/Kg 1.4 ug/Kg	5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg
C032C224	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene Fluoranthene Phenanthrene Dibenz(a,h)anthracene	1.2 ug/Kg 2.5 ug/Kg 1.9 ug/Kg 1.5 ug/Kg 2.7 ug/Kg 0.71 ug/Kg 2.8 ug/Kg	5.6U ug/Kg 5.6U ug/Kg 5.6U ug/Kg 5.6U ug/Kg 5.6U ug/Kg 5.6U ug/Kg 5.6U ug/Kg

Sample	Compound TIC (RT in minutes)	Reported Concentration	Modified Final Concentration
C032C225	2-Methylnaphthalene Naphthalene Dibenz(a,h)anthracene	0.70 ug/Kg 0.61 ug/Kg 2.9 ug/Kg	6.4U ug/Kg 6.4U ug/Kg 6.4U ug/Kg

Samples C032CR14, C032CR15 and C032CR16 (from SDG #38470) were identified as blanks. No polynuclear aromatic hydrocarbon contaminants were found in these blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for several samples. Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C221MS/MSD (All samples in SDG G2E230165)	Phenanthrene	0 (30-150)	1.7 (30-150)	-	J (all detects) R (all non-detects)	A
	Benzo(a)anthracene	0 (30-150)	0 (30-150)	-	J (all detects) R (all non-detects)	

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032C264	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Chrysene Dibenz(a,h)anthracene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C264	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Chrysene Dibenz(a,h)anthracene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	R R R R R R R R R R R	A

Sample	Compound	Flag	A or P
C032C264DL	All TCL compounds except Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Chrysene Dibenz(a,h)anthracene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C222 and C032C223 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C222	C032C223	
Benzo(a)anthracene	1.9	1.7	11
Benzo(b)fluoranthene	3.3	2.8	16
Benzo(k)fluoranthene	3.0	2.3	26
Benzo(g,h,i)perylene	37	21	55
Benzo(a)pyrene	3.9	3.4	14
Chrysene	2.3	2.1	9
Dibenz(a,h)anthracene	10	4.3	80
Fluoranthene	4.3	3.4	23
Indeno(1,2,3-cd)pyrene	29	15	64
Phenanthrene	1.7	1.4	19

Compound	Concentration (ug/Kg)		RPD
	C032C222	C032C223	
Pyrene	5.5	4.6	18

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E230185

SDG	Sample	Compound	Flag	A or P	Reason
G2E230185	C032C263 C032C264DL	Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E230185	C032CA95 C032CA96 C032CA01 C032CA02 C032CA03 C032CA04 C032C261 C032C262 C032C263 C032C264 C032C264DL C032C221 C032C222 C032C223 C032C224 C032C225	Phenanthrene Benzo(a)anthracene	J (all detects) R (all non-detects) J (all detects) R (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)
G2E230185	C032C264	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Chrysene Dibenz(a,h)anthracene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Compound quantitation and CRQLs
G2E230185	C032C264	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Chrysene Dibenz(a,h)anthracene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	R R R R R R R R R R R	A	Overall assessment of data

SDG	Sample	Compound	Flag	A or P	Reason
G2E230185	C032C264DL	All TCL compounds except Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Chrysene Dibenz(a,h)anthracene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E230185

SDG	Sample	Compound TIC (RT in minutes)	Modified Final Concentration	A or P
G2E230185	C032CA95	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Chrysene Fluoranthene Indeno(1,2,3-cd)pyrene 2-Methylnaphthalene Naphthalene Phenanthrene Pyrene Dibenz(a,h)anthracene	5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg	A
G2E230185	C032CA96	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Indeno(1,2,3-cd)pyrene 2-Methylnaphthalene Naphthalene Dibenz(a,h)anthracene	5.7U ug/Kg 5.7U ug/Kg 5.7U ug/Kg 5.7U ug/Kg 5.7U ug/Kg 5.7U ug/Kg 5.7U ug/Kg 5.7U ug/Kg	A
G2E230185	C032CA01	2-Methylnaphthalene Naphthalene Dibenz(a,h)anthracene	5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg	A
G2E230185	C032CA02	Naphthalene Dibenz(a,h)anthracene	5.3U ug/Kg 5.3U ug/Kg	A
G2E230185	C032CA03	2-Methylnaphthalene Naphthalene Dibenz(a,h)anthracene	5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg	A

SDG	Sample	Compound TIC (RT in minutes)	Modified Final Concentration	A or P
G2E230185	C032CA04	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Chrysene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	5.8U ug/Kg 5.8U ug/Kg 5.8U ug/Kg 5.8U ug/Kg 5.8U ug/Kg 5.8U ug/Kg 5.8U ug/Kg 5.8U ug/Kg 5.8U ug/Kg	A
G2E230185	C032C262	2-Methylnaphthalene	5.5U ug/Kg	A
G2E230185	C032C263	2-Methylnaphthalene (200x)	1100U ug/Kg	A
G2E230185	C032C264DL	2-Methylnaphthalene (100x)	570U ug/Kg	A
G2E230185	C032C221	2-Methylnaphthalene	5.3U ug/Kg	A
G2E230185	C032C222	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene Phenanthrene	5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg	A
G2E230185	C032C223	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene Phenanthrene	5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg	A
G2E230185	C032C224	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene Fluoranthene Phenanthrene Dibenz(a,h)anthracene	5.6U ug/Kg 5.6U ug/Kg 5.6U ug/Kg 5.6U ug/Kg 5.6U ug/Kg 5.6U ug/Kg 5.6U ug/Kg	A
G2E230185	C032C225	2-Methylnaphthalene Naphthalene Dibenz(a,h)anthracene	6.4U ug/Kg 6.4U ug/Kg 6.4U ug/Kg	A

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E230185

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 22, 2002

LDC Report Date: June 11, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E230192

Sample Identification

C032C445
C032C446
C032C448
C032C449
C032C447
C032C415
C032C416
C032C417
C032C418
C032CA45
C032CA46
C032CA47
C032CA48
C032CA93
C032CA94
C032C415MS
C032C415MSD

Introduction

This data review covers 17 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
5/24/02	Phenanthrene	26.1	All samples in SDG G2E230192	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Extraction Date	Compound TIC (RT in minutes)	Concentration	Associated Samples
2143522MB	5/23/02	Benzo(k)fluoranthene Benzo(g,h,i)perylene Indeno(1,2,3-cd)pyrene 2-Methylnaphthalene Dibenz(a,h)anthracene	1.7 ug/Kg 0.71 ug/Kg 0.83 ug/Kg 0.56 ug/Kg 0.49 ug/Kg	All samples in SDG G2E230192

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Compound TIC (RT in minutes)	Reported Concentration	Modified Final Concentration
C032C445	Benzo(k)fluoranthene 2-Methylnaphthalene Dibenz(a,h)anthracene	7.1 ug/Kg 0.62 ug/Kg 1.3 ug/Kg	7.1U ug/Kg 5.4U ug/Kg 5.4U ug/Kg
C032C446	Benzo(k)fluoranthene Benzo(g,h,i)perylene Indeno(1,2,3-cd)pyrene 2-Methylnaphthalene Dibenz(a,h)anthracene	0.92 ug/Kg 0.99 ug/Kg 0.89 ug/Kg 0.36 ug/Kg 0.32 ug/Kg	5.2U ug/Kg 5.2U ug/Kg 5.2U ug/Kg 5.2U ug/Kg 5.2U ug/Kg
C032C448	Benzo(k)fluoranthene Benzo(g,h,i)perylene Indeno(1,2,3-cd)pyrene 2-Methylnaphthalene Dibenz(a,h)anthracene	2.5 ug/Kg 2.3 ug/Kg 1.9 ug/Kg 0.34 ug/Kg 0.54 ug/Kg	5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg
C032C447	2-Methylnaphthalene Dibenz(a,h)anthracene	0.41 ug/Kg 0.43 ug/Kg	5.9U ug/Kg 5.9U ug/Kg
C032C415	Benzo(k)fluoranthene 2-Methylnaphthalene Dibenz(a,h)anthracene	7.0 ug/Kg 1.3 ug/Kg 1.7 ug/Kg	7.0U ug/Kg 5.3U ug/Kg 5.3U ug/Kg
C032C416	Benzo(k)fluoranthene 2-Methylnaphthalene Dibenz(a,h)anthracene	3.7 ug/Kg 0.79 ug/Kg 1.9 ug/Kg	5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg

Sample	Compound TIC (RT in minutes)	Reported Concentration	Modified Final Concentration
C032C417	Benzo(k)fluoranthene 2-Methylnaphthalene Dibenz(a,h)anthracene	3.2 ug/Kg 0.49 ug/Kg 1.3 ug/Kg	5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg
C032C418	Benzo(k)fluoranthene Dibenz(a,h)anthracene	4.6 ug/Kg 1.3 ug/Kg	5.9U ug/Kg 5.9U ug/Kg
C032CA45	2-Methylnaphthalene	0.88 ug/Kg	5.5U ug/Kg
C032CA46	Benzo(k)fluoranthene Benzo(g,h,i)perylene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene	1.9 ug/Kg 3.2 ug/Kg 2.6 ug/Kg 0.37 ug/Kg	5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg
C032CA47	Benzo(k)fluoranthene 2-Methylnaphthalene Dibenz(a,h)anthracene	7.2 ug/Kg 0.32 ug/Kg 1.8 ug/Kg	7.2U ug/Kg 5.4U ug/Kg 5.4U ug/Kg
C032CA48	Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene 2-Methylnaphthalene Dibenz(a,h)anthracene	2.5 ug/Kg 3.9 ug/Kg 0.45 ug/Kg 0.33 ug/Kg	6.2U ug/Kg 6.2U ug/Kg 6.2U ug/Kg 6.2U ug/Kg
C032CA93	Benzo(k)fluoranthene 2-Methylnaphthalene Dibenz(a,h)anthracene	1.9 ug/Kg 0.41 ug/Kg 1.1 ug/Kg	5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg
C032CA94	Benzo(k)fluoranthene Benzo(g,h,i)perylene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene	1.9 ug/Kg 1.7 ug/Kg 1.6 ug/Kg 0.53 ug/Kg	5.7U ug/Kg 5.7U ug/Kg 5.7U ug/Kg 5.7U ug/Kg

Samples C032CR14, C032CR15 and C032CR16 (from SDG #38470) were identified as blanks. No polynuclear aromatic hydrocarbon contaminants were found in these blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C449 and C032C447 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C449	C032C447	
Benzo(a)pyrene	1.9	3.1	48
Dibenz(a,h)anthracene	6.0U	0.43	200

Compound	Concentration (ug/Kg)		RPD
	C032C449	C032C447	
2-Methylnaphthalene	6.0U	0.41	200

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E230192

SDG	Sample	Compound	Flag	A or P	Reason
G2E230192	C032C445 C032C446 C032C448 C032C449 C032C447 C032C415 C032C416 C032C417 C032C418 C032CA45 C032CA46 C032CA47 C032CA48 C032CA93 C032CA94	Phenanthrene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E230192

SDG	Sample	Compound TIC (RT in minutes)	Modified Final Concentration	A or P
G2E230192	C032C445	Benzo(k)fluoranthene 2-Methylnaphthalene Dibenz(a,h)anthracene	7.1U ug/Kg 5.4U ug/Kg 5.4U ug/Kg	A
G2E230192	C032C446	Benzo(k)fluoranthene Benzo(g,h,i)perylene Indeno(1,2,3-cd)pyrene 2-Methylnaphthalene Dibenz(a,h)anthracene	5.2U ug/Kg 5.2U ug/Kg 5.2U ug/Kg 5.2U ug/Kg 5.2U ug/Kg	A
G2E230192	C032C448	Benzo(k)fluoranthene Benzo(g,h,i)perylene Indeno(1,2,3-cd)pyrene 2-Methylnaphthalene Dibenz(a,h)anthracene	5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg	A
G2E230192	C032C447	2-Methylnaphthalene Dibenz(a,h)anthracene	5.9U ug/Kg 5.9U ug/Kg	A
G2E230192	C032C415	Benzo(k)fluoranthene 2-Methylnaphthalene Dibenz(a,h)anthracene	7.0U ug/Kg 5.3U ug/Kg 5.3U ug/Kg	A
G2E230192	C032C416	Benzo(k)fluoranthene 2-Methylnaphthalene Dibenz(a,h)anthracene	5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg	A

SDG	Sample	Compound TIC (RT in minutes)	Modified Final Concentration	A or P
G2E230192	C032C417	Benzo(k)fluoranthene 2-Methylnaphthalene Dibenz(a,h)anthracene	5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg	A
G2E230192	C032C418	Benzo(k)fluoranthene Dibenz(a,h)anthracene	5.9U ug/Kg 5.9U ug/Kg	A
G2E230192	C032CA45	2-Methylnaphthalene	5.5U ug/Kg	A
G2E230192	C032CA46	Benzo(k)fluoranthene Benzo(g,h,i)perylene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene	5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg 5.4U ug/Kg	A
G2E230192	C032CA47	Benzo(k)fluoranthene 2-Methylnaphthalene Dibenz(a,h)anthracene	7.2U ug/Kg 5.4U ug/Kg 5.4U ug/Kg	A
G2E230192	C032CA48	Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene 2-Methylnaphthalene Dibenz(a,h)anthracene	6.2U ug/Kg 6.2U ug/Kg 6.2U ug/Kg 6.2U ug/Kg	A
G2E230192	C032CA93	Benzo(k)fluoranthene 2-Methylnaphthalene Dibenz(a,h)anthracene	5.3U ug/Kg 5.3U ug/Kg 5.3U ug/Kg	A
G2E230192	C032CA94	Benzo(k)fluoranthene Benzo(g,h,i)perylene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene	5.7U ug/Kg 5.7U ug/Kg 5.7U ug/Kg 5.7U ug/Kg	A

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E230192

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 13, 2002

LDC Report Date: June 13, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: APPL, Inc.

Sample Delivery Group (SDG): 38345

Sample Identification

C032C785
C032C786
C032C787
C032C787DL
C032C788
C032C767
C032C767RE
C032C768
C032C769
C032C770
C032C771
C032C816
C032C817
C032C818
C032C819
C032C847
C032C848
C032C849
C032C850
C032C794
C032C794RE
C032C795
C032C796
C032C797
C032C848MS
C032C848MSD

Introduction

This data review covers 26 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

In the case where %RSD was greater than 15.0%, the laboratory used a calibration curve to evaluate the compound. All coefficients of determination (r^2) were greater than or equal to 0.990 .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR05, C032CR03 and C032CR04 (from SDG #K2203084) were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR05	5/13/02	Naphthalene Phenanthrene Chrysene	0.0036 ug/L 0.0086 ug/L 0.0023 ug/L	All samples in SDG 38345
C032CR03	5/13/02	Naphthalene Phenanthrene 2-Methylnaphthalene	0.0058 ug/L 0.0036 ug/L 0.0030 ug/L	All samples in SDG 38345
C032CR04	5/13/02	Naphthalene	0.0047 ug/L	All samples in SDG 38345

Sample C032CF02 (from SDG #K2203084) was identified as a field source blank. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Field Source Blank ID	Sampling Date	Compound	Concentration	Associated Samples
C032CF02	5/13/02	Naphthalene	0.0042 ug/L	All samples in SDG 38345

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032C767RE	All TCL compounds	No MS/MSD associated with these samples.	MS/MSD required.	None	P
C032C785 C032C786 C032C787 C032C787DL C032C788 C032C767 C032C768 C032C769 C032C770 C032C771 C032C816 C032C817 C032C818 C032C819 C032C847 C032C848 C032C849 C032C850 C032C794 C032C794RE C032C795 C032C796 C032C797	All TCL compounds	More than twenty samples associated to a matrix spike sample.	No more than twenty samples to be associated to a matrix spike sample.	None	P

Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C848MS/MSD	Anthracene	-	-	39.8 (≤30)	J (all detects)	A
(C032C785	Benzo(a)anthracene	-	-	31.6 (≤30)	UJ (all non-detects)	
C032C786	Benzo(a)pyrene	-	138 (31-135)	35.3 (≤30)		
C032C787	Chrysene	-	155 (45-143)	47.6 (≤30)		
C032C787DL	Fluoranthene	-	199 (37-135)	67.6 (≤30)		
C032C788	Phenanthrene	-	-	41.3 (≤30)		
C032C767	Pyrene	-	244 (37-146)	68.4 (≤30)		
C032C768 C032C769 C032C770 C032C771 C032C816 C032C817 C032C818 C032C819 C032C847 C032C848 C032C849 C032C850 C032C794 C032C794RE C032C795 C032C796 C032C797)						

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032C787	Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Chrysene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C787	Benzo(a)anthracene	R	A
	Benzo(a)pyrene	R	
	Benzo(b)fluoranthene	R	
	Benzo(k)fluoranthene	R	
	Benzo(g,h,i)perylene	R	
	Chrysene	R	
	Fluoranthene	R	
	Indeno(1,2,3-cd)pyrene	R	
	Phenanthrene	R	
	Pyrene	R	
C032C767RE C032C794RE	All TCL compounds	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C768 and C032C769 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C768	C032C769	
Benzo(a)anthracene	27.0	29.0	7
Indeno(1,2,3-cd)pyrene	30.0	31.0	3
Benzo(a)pyrene	5.3U	23.0	200

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG 38345

SDG	Sample	Compound	Flag	A or P	Reason
38345	C032C785 C032C786 C032C787 C032C787DL C032C788 C032C767 C032C767RE C032C768 C032C769 C032C770 C032C771 C032C816 C032C817 C032C818 C032C819 C032C847 C032C848 C032C849 C032C850 C032C794 C032C794RE C032C795 C032C796 C032C797	All TCL compounds	None	P	Matrix spike/Matrix spike duplicates
38345	C032C785 C032C786 C032C787 C032C787DL C032C788 C032C767 C032C768 C032C769 C032C770 C032C771 C032C816 C032C817 C032C818 C032C819 C032C847 C032C848 C032C849 C032C850 C032C794 C032C794RE C032C795 C032C796 C032C797	Anthracene Benzo(a)anthracene Benzo(a)pyrene Chrysene Fluoranthene Phenanthrene Pyrene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)(RPD)

SDG	Sample	Compound	Flag	A or P	Reason
38345	C032C787	Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Chrysene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Compound quantitation and CRQLs
38345	C032C787	Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Chrysene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	R R R R R R R R R R	A	Overall assessment of data
38345	C032C767RE C032C794RE	All TCL compounds	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG 38345

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG 38345

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 14, 2002

LDC Report Date: June 11, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level IV

Laboratory: APPL, Inc.

Sample Delivery Group (SDG): 38357

Sample Identification

C032C891
C032C892
C032C893
C032C894
C032C930
C032C931
C032C932
C032C933
C032C934
C032C899
C032C900
C032C901
C032C902
C032C903
C032C983
C032C984
C032C985
C032C986
C032C902MS
C032C902MSD

Introduction

This data review covers 20 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

In the case where %RSD was greater than 15.0%, the laboratory used a calibration curve to evaluate the compound. All coefficients of determination (r^2) were greater than or equal to 0.990 .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR06 (from SDG #K2203084) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR06	5/14/02	Naphthalene 2-Methylnaphthalene Chrysene	0.0074 ug/L 0.0031 ug/L 0.0015 ug/L	All samples in SDG 38357

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C902MS/MSD (All samples in SDG 38357)	Acenaphthylene	137 (37-135)	-	-	J (all detects)	A
C032C902MS/MSD (All samples in SDG 38357)	Benzo(a)anthracene	-	-	65.8 (≤30)	J (all detects)	A
	Benzo(a)pyrene	-	-	62.3 (≤30)	UJ (all non-detects)	
	Benzo(b)fluoranthene	-	-	58.9 (≤30)		
	Benzo(g,h,i)perylene	-	-	50.6 (≤30)		
	Benzo(k)fluoranthene	-	-	64.0 (≤30)		
	Chrysene	-	-	70.0 (≤30)		
	Fluoranthene	-	-	94.9 (≤30)		
	Indeno(1,2,3-cd)pyrene	-	-	55.5 (≤30)		
	Phenanthrene	-	-	103.6 (≤30)		
	Pyrene	-	-	86.9 (≤30)		

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID	Compound	%R (Limits)	Associated Samples	Flag	A or P
020515ALCS	2-Methylnaphthalene Naphthalene	23.3 (40-135) 24.2 (40-135)	All samples in SDG 38357	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

All target compound identifications were within validation criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was acceptable.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C933 and C032C934 and samples C032C900 and C032C901 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C933	C032C934	
Anthracene	2.2	1.7	26
Benzo(a)anthracene	17.0	14.0	19
Benzo(a)pyrene	36.0	33.0	9
Benzo(b)fluoranthene	24.0	22.0	9
Benzo(g,h,i)perylene	39.0	37.0	5
Benzo(k)fluoranthene	18.0	16.0	12
Chrysene	21.0	18.0	15
Dibenz(a,h)anthracene	3.8	3.6	5
Fluoranthene	45.0	37.0	20
Indeno(1,2,3-cd)pyrene	28.0	26.0	7
Pyrene	59.0	50.0	16

Compound	Concentration (ug/Kg)		RPD
	C032C900	C032C901	
Acenaphthene	9.3	5.8U	200
Acenaphthylene	18.0	5.8U	200
Benzo(a)anthracene	150.0	310.0	70
Benzo(a)pyrene	280.0	500.0	56
Benzo(b)fluoranthene	190.0	330.0	54

Compound	Concentration (ug/Kg)		RPD
	C032C900	C032C901	
Benzo(g,h,i)perylene	290.0	450.0	43
Benzo(k)fluoranthene	160.0	300.0	61
Chrysene	170.0	310.0	58
Fluoranthene	410.0	940.0	78
Indeno(1,2,3-cd)pyrene	220.0	360.0	48
Phenanthrene	160.0	410.0	88
Pyrene	520.0	120.0	125

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG 38357

SDG	Sample	Compound	Flag	A or P	Reason
38357	C032C891 C032C892 C032C893 C032C894 C032C930 C032C931 C032C932 C032C933 C032C934 C032C899 C032C900 C032C901 C032C902 C032C903 C032C983 C032C984 C032C985 C032C986	Acenaphthylene	J (all detects)	A	Matrix spike/Matrix spike duplicates (%R)
38357	C032C891 C032C892 C032C893 C032C894 C032C930 C032C931 C032C932 C032C933 C032C934 C032C899 C032C900 C032C901 C032C902 C032C903 C032C983 C032C984 C032C985 C032C986	Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (RPD)
38357	C032C891 C032C892 C032C893 C032C894 C032C930 C032C931 C032C932 C032C933 C032C934 C032C899 C032C900 C032C901 C032C902 C032C903 C032C983 C032C984 C032C985 C032C986	2-Methylnaphthalene Naphthalene	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG 38357

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG 38357

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 15, 2002

LDC Report Date: June 11, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: APPL, Inc.

Sample Delivery Group (SDG): 38369

Sample Identification

C032C186	C032CA74
C032C186RE	C032CA75
C032C187	C032CA75RE
C032C187RE	C032CA76
C032C188	C032CA77
C032C189	C032CA78
C032C190	C032CA76MS
C032C081	C032CA76MSD
C032C082	
C032C083	
C032C084	
C032CA80	
C032CA81	
C032CA81RE	
C032CA82	
C032CA71	
C032CA72	
C032CA72RE	
C032CA73	
C032CA73RE	

Introduction

This data review covers 28 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

In the case where %RSD was greater than 15.0%, the laboratory used a calibration curve to evaluate the compound. All coefficients of determination (r^2) were greater than or equal to 0.990 .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR08 (from SDG #K2203084) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR08	5/15/02	Naphthalene Phenanthrene Fluoranthene Chrysene	0.0070 ug/L 0.0034 ug/L 0.0033 ug/L 0.0019 ug/L	All samples in SDG 38369

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits with the following exceptions:

Sample	Surrogate	%R (Limits)	Compound	Flag	A or P
C032C18[illegible]	2-Fluorobiphenyl Nitrobenzene-d5 Terphenyl-d14	41.0 (54-125) 36.8 (49-121) 40.4 (57-126)	All TCL compounds	J (all detects) UJ (all non-detects)	A

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032C186RE C032C187RE C032CA81RE C032CA72R[illegible] C032CA73RE C032CA75RE	All TCL compounds	No MS/MSD associated with these samples.	MS/MSD required.	None	P

Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032CA76MS/MSD	Acenaphthylene	-	-	34.5 (≤30)	J (all detects)	A
(C032C186	Benzo(a)anthracene	237 (41-143)	-	75.5 (≤30)	UJ (all non-detects)	
C032C187	Benzo(a)pyrene	257 (31-135)	-	90.6 (≤30)		
C032C188	Benzo(b)fluoranthene	178 (27-135)	-	62.2 (≤30)		
C032C189	Benzo(g,h,i)perylene	174 (25-159)	-	61.4 (≤30)		
C032C190	Benzo(k)fluoranthene	209 (53-117)	-	71.8 (≤30)		
C032C081	Chrysene	261 (45-143)	-	86.4 (≤30)		
C032C082	Fluoranthene	236 (37-135)	-	77.9 (≤30)		
C032C083	Indeno(1,2,3-cd)pyrene	-	-	50.8 (≤30)		
C032C084	Phenanthrene	-	-	36.3 (≤30)		
C032CA80	Pyrene	376 (37-146)	-	107.2 (≤30)		
C032CA81						
C032CA82						
C032CA71						
C032CA72						
C032CA73						
C032CA74						
C032CA75						
C032CA76						
C032CA77						
C032CA78)						

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032CA72	Perylene-d12	245014 (246935-987738)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032CA73	Perylene-d12	225196 (246935-987738)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A
C032CA75	Perylene-d12	227040 (246935-987738)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A
C032CA78	Perylene-d12	243068 (246935-987738)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C186RE C032C187 C032CA81RE	All TCL compounds	R	A

Sample	Compound	Flag	A or P
C032CA72 C032CA73 C032CA75	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R R R R R R	A
C032CA72RE C032CA73RE C032CA75RE	All TCL compounds except Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C189 and C032C190 and samples C032CA76 and C032CA77 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032CA76	C032CA77	
Benzo(a)anthracene	5.5	4.1	29
Benzo(a)pyrene	6.7	5.6	18
Benzo(b)fluoranthene	5.3	4.1	26
Benzo(g,h,i)perylene	3.8	3.2	17
Benzo(k)fluoranthene	5.2	4.2	21
Chrysene	5.8	4.4	27
Fluoranthene	10.0	9.1	9
Indeno(1,2,3-cd)pyrene	2.7	2.0	30
Phenanthrene	4.4	5.5U	200

Compound	Concentration (ug/Kg)		RPD
	C032CA76	C032CA77	
Pyrene	1.9	13.0	149

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG 38369

SDG	Sample	Compound	Flag	A or P	Reason
38369	C032C187	All TCL compounds	J (all detects) UJ (all non-detects)	A	Surrogate recovery (%R)
38369	C032C186RE C032C187RE C032CA81RE C032CA72RE C032CA73RE C032CA75RE	All TCL compounds	None	P	Matrix spike/Matrix spike duplicates
38369	C032C186 C032C187 C032C188 C032C189 C032C190 C032C081 C032C082 C032C083 C032C084 C032CA80 C032CA81 C032CA82 C032CA71 C032CA72 C032CA73 C032CA74 C032CA75 C032CA76 C032CA77 C032CA78	Acenaphthylene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)(RPD)
38369	C032CA72 C032CA73 C032CA75	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
38369	C032CA78	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P	Internal standards (area)
38369	C032C186RE C032C187 C032CA81RE	All TCL compounds	R	A	Overall assessment of data

SDG	Sample	Compound	Flag	A or P	Reason
38369	C032CA72 C032CA73 C032CA75	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R R R R R R	A	Overall assessment of data
38369	C032CA72RE C032CA73RE C032CA75RE	All TCL compounds except Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG 38369

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG 38369

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 17, 2002

LDC Report Date: June 13, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: APPL, Inc.

Sample Delivery Group (SDG): 38393

Sample Identification

C032C274
C032C275
C032C276
C032C277
C032C278
C032C177
C032C177DL
C032C178
C032C179
C032C180
C032C181
C032C807
C032C808
C032C809
C032C810
C032C833
C032C834
C032C835
C032C836
C032C837
C032C831
C032C807MS
C032C807MSD

Introduction

This data review covers 23 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR10 (from SDG #K2203084) were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR010	5/17/02	Naphthalene 2-Methylnaphthalene	0.0054 ug/L 0.0032 ug/L	All samples in SDG 38393

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for samples C032C177 and C032C177DL. Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C831	Perylene-d12	154090 (179490-717962)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C177DL	All TCL compounds	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C277 and C032C278, samples C032C178 and C032C179 and samples C032C834 and C032C835 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C178	C032C179	
Chrysene	1.6	1.7	6
Phenanthrene	1.8	1.9	5
Pyrene	1.8	5.2U	200
Anthracene	5.2U	2.9	200
Benzo(a)pyrene	5.2U	3.3	200
Benzo(b)fluoranthene	5.2U	3.1	200
Benzo(g,h,i)perylene	5.2U	5.4	200
Benzo(k)fluoranthene	5.2U	2.7	200
Dibenz(a,h)anthracene	5.2U	5.3	200
Indeno(1,2,3-cd)pyrene	5.2U	5.7	200

Compound	Concentration (ug/Kg)		RPD
	C032C834	C032C835	
Benzo(a)pyrene	5.4U	1.3	200

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG 38393

SDG	Sample	Compound	Flag	A or P	Reason
38393	C032C831	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
38393	C032C177DL	All TCL compounds	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG 38393

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG 38393

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 22, 2002

LDC Report Date: June 13, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: APPL, Inc.

Sample Delivery Group (SDG): 38435

Sample Identification

C032C410
C032C411
C032C412
C032C413
C032C414
C032C454
C032C455
C032C456
C032C457
C032C458
C032C226
C032C227
C032C228
C032C229
C032C292
C032C293
C032C294
C032C295
C032C412MS
C032C412MSD

Introduction

This data review covers 20 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

In the case where %RSD was greater than 15.0%, the laboratory used a calibration curve to evaluate the compound. All coefficients of determination (r^2) were greater than or equal to 0.990 .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR14, C032CR15 and C032CR16 (from SDG #38470) were identified as blanks. No polynuclear aromatic hydrocarbon contaminants were found in these blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID	Compound	%R (Limits)	Associated Samples	Flag	A or P
020523ALCS	Acenaphthylene	36.7 (37-135)	All samples in SDG 38435	J (all detects) UJ (all non-detects)	P

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C413 and C032C414 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C413	C032C414	
Benzo(a)pyrene	1.8	5.9U	200
Benzo(g,h,i)perylene	1.5	5.9U	200
Fluoranthene	1.8	2.0	10
Pyrene	2.5	2.1	17
Chrysene	5.8U	1.8	200

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG 38435

SDG	Sample	Compound	Flag	A or P	Reason
38435	C032C410 C032C411 C032C412 C032C413 C032C414 C032C454 C032C455 C032C456 C032C457 C032C458 C032C226 C032C227 C032C228 C032C229 C032C292 C032C293 C032C294 C032C295	Acenaphthylene	J (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG 38435

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG 38435

No Sample Data Qualified in this SDG

LABORATORY DATA CONSULTANTS, INC.
7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: 760 634-0439

Bechtel Environmental
1230 Columbia Street, Suite 400
San Diego, CA 92101
Attn: Mr James Jordan

June 18, 2002

Project Name : NAS Alameda Point
Project # : CTO 032

On June 11, 2002 the following data packages were received by Laboratory Data Consultants, Inc. from Bechtel Environmental. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 8589:

SDG #	Fraction
K2203270, K2203271, K2203301, K2203302, K2203340, K2203342, K2203374, K2203375, K2203407, K2203408, G2E150186, G2E160197, G2E170200, G2E170207, G2E250150, 38382, 38406, 38422, 38451, 38461, 38470, 38473	Polynuclear Aromatic Hydrocarbons

The above SDGs were reviewed using Level III and Level IV guidelines. The analyses were validated using the following documents, as applicable to each method:

- NFESC Special Publication SP-2056-ENV, Navy Installation Restoration Chemical Data Quality Manual, Naval Facilities Engineering Command, September 1999
- USEPA, Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996

The data validators did utilize their professional judgement when evaluating the data to achieve the most complete and accurate assessment of the data. The data packages were reviewed according to the above stated validation procedures.

For GC/MS polynuclear aromatic hydrocarbon analyses, the primary findings consisted of:

a) Continuing calibration factors exceeded acceptance criteria in SDGs G3E150186, G2E170207, G2E170200 and G2E160197. Since the laboratory met the protocol requirement, this finding should be considered advisory.

b) Matrix spike/matrix spike duplicate sample analyses were not performed for all batches in SDGs G2E160197, 38473, 38461, 38451 and 38382.

c) Matrix spike/matrix spike duplicate percent recoveries and relative percent differences exceeded acceptance criteria for several compounds in SDGs G2E170207, 38382 and 38451, benzo(b)fluoranthene and pyrene in SDG G2E170200, chrysene in SDG G2E250150 and dibenz(a,h)anthracene in SDG K2203301. The associated nondetect results for acenaphthylene, dibenz(a,h)anthracene and anthracene in SDG G2E170207 and fluoranthene and pyrene in SDG 38451 were qualified as unusable. Since the laboratory met the protocol requirement, this finding should be considered advisory.

d) Laboratory control sample percent recoveries exceeded acceptance criteria for acenaphthylene in SDG 38406 and 2-methylnaphthalene and naphthalene in SDG 38451.

e) Surrogate percent recoveries exceeded acceptance criteria for samples C032CD47 and C032CD47RE in SDG 38473, sample C032CC02 in SDG 38451 and sample C032CA28 in SDG 38382. The associated nondetect results for sample C032CC02 in SDG 38451 were qualified as unusable. Since the laboratory met the protocol requirement, this finding should be considered advisory.

f) Internal standard areas exceeded acceptance criteria for sample C032C287DL in SDG G2E150186, sample C032CB66DL in SDG G2E170200, samples C032C239DL and C032CB56DL in SDG 38382, sample C032C460 in SDG 38406, sample C032C702 in SDG G2E250150, C032C199 in SDG K2203375 and several samples in SDG 38461. The associated nondetect results for sample C032C199 were qualified as unusable in SDG K2203375. Since the laboratory met the protocol requirement, this finding should be considered advisory.

g) Internal standard areas exceeded acceptance criteria for samples C032C703 and C032C704 in SDG G2E250150, sample C032C241 in SDG 38382 and several samples in SDGs G2E150186, G2E170207 and G2E170200.

h) Several volatile contaminants were detected in the method blanks. Since the laboratory met the protocol requirement, this finding should be considered advisory.

i) Phenanthrene in SDG 38473, several compounds in SDGs K2203375, K2203271, K2203407, G2E170207 and 38382 were reported above the calibration range. Since the laboratory met the protocol requirement, this finding should be considered advisory.

j) Data was qualified as unusable in dilutions by the validators in order to yield only one complete set of data for a given sample and eliminate redundant data.

In general, the data for all analyses appear usable with the limitations noted in the Data Validation Reports. Data validation flags were noted on the Laboratory Form 1s and included with each validation report.

Sincerely,

Richard M. Amano
President/Principal Chemist

Attachment 1

1 Week TAT

LDC #8589 (Bechtel Environmental-San Diego / Alameda Point, CTO 32)

LDC	SDG#	DATE REC'D	DATE DUE	PAHs (8270-SIM)																													
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	K2203270	6-11-02	6-18-02	0	21																												
B	K2203271	6-11-02	6-18-02	0	23																												
C	K2203301	6-11-02	6-18-02	0	22																												
D	K2203302	6-11-02	6-18-02	0	22																												
E	K2203340	6-11-02	6-18-02	0	18																												
F	K2203342	6-11-02	6-18-02	0	20																												
G	K2203374	6-11-02	6-18-02	0	20																												
H	K2203375	6-11-02	6-18-02	0	23																												
I	K2203407	6-11-02	6-18-02	0	22																												
J	K2203408	6-11-02	6-18-02	0	21																												
K	G2E150186	6-11-02	6-18-02	0	26																												
L	G2E160197	6-11-02	6-18-02	0	16																												
M	G2E170200	6-11-02	6-18-02	0	19																												
N	G2E170207	6-11-02	6-18-02	0	22																												
O	G2E250150	6-11-02	6-18-02	0	12																												
P	38382	6-11-02	6-18-02	0	27																												
Q	38406	6-11-02	6-18-02	0	22																												
R	38422	6-11-02	6-18-02	0	21																												
S	38451	6-11-02	6-18-02	0	21																												
T	38461	6-11-02	6-18-02	0	27																												
U	38470	6-11-02	6-18-02	8	0																												
V	38473	6-11-02	6-18-02	0	25																												
otal	B			8	450	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Shaded cells indicate Level IV validation (all other cells are Level III validation)

Alameda Point, CTO 32
Data Validation Reports
LDC# 8589

Polynuclear Aromatic Hydrocarbons

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 20, 2002

LDC Report Date: June 13, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203270

Sample Identification

C032C428
C032C429
C032C430
C032C431
C032C476
C032C477
C032C478
C032C479
C032C480
C032C067
C032C068
C032C069
C032C070
C032C071
C032C138
C032C139
C032C140
C032C141
C032C916
C032C916MS
C032C916MSD

Introduction

This data review covers 21 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR011 (from SDG 38470) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C479 and C032C480 and samples C032C068 and C032C069 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203270

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203270

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203270

No Sample Data Qualified in this SDG

LDC Report# 8589B2

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 20, 2002

LDC Report Date: June 13, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203271

Sample Identification

C032CA89	C032C915
C032CA90	C032C915MS
C032CA91	C032C915MSD
C032CA92	
C032CB46	
C032CB47	
C032CB48	
C032CB49	
C032CB49DL	
C032C851	
C032C852	
C032C853	
C032C854	
C032C908	
C032C909	
C032C910	
C032C911	
C032C912	
C032C913	
C032C914	

Introduction

This data review covers 23 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR011 (from SDG #38470) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032CB49	Phenanthrene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(a)pyrene Benzo(g,h,i)perylene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032CB49	Phenanthrene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(a)pyrene Benzo(g,h,i)perylene	R R R R R R R	A
C032CB49DL	All TCL compounds except Phenanthrene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(a)pyrene Benzo(g,h,i)perylene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C911 and C032C912 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203271

SDG	Sample	Compound	Flag	A or P	Reason
K2203271	C032CB49	Phenanthrene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(a)pyrene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Compound quantitation and CRQLs
K2203271	C032CB49	Phenanthrene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(a)pyrene Benzo(g,h,i)perylene	R R R R R R R	A	Overall assessment of data
K2203271	C032CB49DL	All TCL compounds except Phenanthrene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(a)pyrene Benzo(g,h,i)perylene	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203271

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203271

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 21, 2002

LDC Report Date: June 14, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level IV

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203301

Sample Identification

C032C054
C032C055
C032C056
C032C057
C032C058
C032C089
C032C090
C032C091
C032C092
C032C093
C032C952
C032C953
C032C954
C032C955
C032C956
C032C917
C032C918
C032C919
C032C920
C032C129
C032C129MS
C032C129MSD

Introduction

This data review covers 22 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Extraction Date	Compound TIC (RT in minutes)	Concentration	Associated Samples
KWG020308-5	5/22/02	Indeno(1,2,3-cd)pyrene	0.60 ug/Kg	All samples in SDG K2203301

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Compound TIC (RT in minutes)	Reported Concentration	Modified Final Concentration
C032C057	Indeno(1,2,3-cd)pyrene	1.7 ug/Kg	5.9U ug/Kg
C032C952	Indeno(1,2,3-cd)pyrene	1.8 ug/Kg	5.7U ug/Kg
C032C919	Indeno(1,2,3-cd)pyrene	1.4 ug/Kg	5.6U ug/Kg
C032C920	Indeno(1,2,3-cd)pyrene	1.6 ug/Kg	6.1U ug/Kg
C032C129	Indeno(1,2,3-cd)pyrene	1.8 ug/Kg	5.3U ug/Kg

Samples C032CR12 and C032CR13 (from SDG #38470) were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C129MS/MSD (All samples in SDG K2203301)	Dibenz(a,h)anthracene	-	59 (61-144)	-	J (all detects) UJ (all non-detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

All target compound identifications were within validation criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was acceptable.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C057 and C032C058, samples C032C090 and C032C091 and samples C032C955 and C032C956 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C057	C032C058	
Indeno(1,2,3-cd)pyrene	1.7	5.9U	200
Benzo(g,h,i)perylene	2.2	5.9U	200

Compound	Concentration (ug/Kg)		RPD
	C032C057	C032C058	
Pyrene	5.9U	2.6	200

Compound	Concentration (ug/Kg)		RPD
	C032C090	C032C091	
Phenanthrene	6.2	8.4	30
Fluoranthene	27	35	26
Pyrene	35	38	8
Benzo(a)anthracene	19	22	15
Chrysene	28	30	7
Benzo(b)fluoranthene	35	37	6
Benzo(k)fluoranthene	27	26	4
Benzo(a)pyrene	26	27	4
Indeno(1,2,3-cd)pyrene	25	28	11
Dibenz(a,h)anthracene	5.4	4.9	10
Benzo(g,h,i)perylene	21	29	32

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203301

SDG	Sample	Compound	Flag	A or P	Reason
K2203301	C032C054 C032C055 C032C056 C032C057 C032C058 C032C089 C032C090 C032C091 C032C092 C032C093 C032C952 C032C953 C032C954 C032C955 C032C956 C032C917 C032C918 C032C919 C032C920 C032C129	Dibenz(a,h)anthracene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203301

SDG	Sample	Compound TIC (RT in minutes)	Modified Final Concentration	A or P
K2203301	C032C057	Indeno(1,2,3-cd)pyrene	5.9U ug/Kg	A
K2203301	C032C952	Indeno(1,2,3-cd)pyrene	5.7U ug/Kg	A
K2203301	C032C919	Indeno(1,2,3-cd)pyrene	5.6U ug/Kg	A
K2203301	C032C920	Indeno(1,2,3-cd)pyrene	6.1U ug/Kg	A
K2203301	C032C129	Indeno(1,2,3-cd)pyrene	5.3U ug/Kg	A

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203301

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 21, 2002

LDC Report Date: June 13, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203302

Sample Identification

C032C130	C032C409MS
C032C131	C032C409MSD
C032C132	
C032C485	
C032C486	
C032C487	
C032C488	
C032C353	
C032C354	
C032C355	
C032C356	
C032C366	
C032C367	
C032C368	
C032C369	
C032C370	
C032C406	
C032C407	
C032C408	
C032C409	

Introduction

This data review covers 22 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR12 and C032CR13 (from SDG 38470) were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C369 and C032C370 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203302

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203302

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203302

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 22, 2002

LDC Report Date: June 13, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203340

Sample Identification

C032C450
C032C451
C032C452
C032C453
C032C494
C032C495
C032C496
C032C497
C032C195
C032C196
C032C197
C032C198
C032C257
C032C258
C032C259
C032C260
C032C260MS
C032C260MSD

Introduction

This data review covers 18 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR014, C032CR015 and C032CR016 (from SDG 38470) were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203340

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203340

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203340

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 20 through May 22, 2002

LDC Report Date: June 13, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203342

Sample Identification

C032CA36
C032CA37
C032CA38
C032CA39
C032CA97
C032CA98
C032CA99
C032CA00
C032CBC1
C032CA40
C032CA41
C032CA42
C032CA43
C032CA44
C032CA05
C032CA06
C032CA07
C032CA08
C032CA08MS
C032CA08MSD

Introduction

This data review covers 20 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0 05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR14, C032CR15, C032CR16 and C032CR011 (from SDG 38470) were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032CA98 and C032CA99 and samples C032CA43 and C032CA44 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032CA98	C032CA99	
Fluoranthene	1.7	4.9	97
Pyrene	2.0	6.7	74
Benzo(a)anthracene	5.4U	2.9	200
Chrysene	5.4U	3.6	200
Benzo(b)fluoranthene	5.4U	3.6	200
Benzo(k)fluoranthene	5.4U	2.9	200
Benzo(a)pyrene	5.4U	4.9	200
Indeno(1,2,3-cd)pyrene	1.7	4.8	95
Benzo(g,h,i)perylene	2.3	5.5	82

Compound	Concentration (ug/Kg)		RPD
	C032CA43	C032CA44	
Fluoranthene	5.7	2.5	85
Pyrene	7.8	3.7	71
Benzo(a)anthracene	2.1	6.2U	200
Chrysene	2.6	6.2U	200
Benzo(b)fluoranthene	3.6	1.9	62
Benzo(k)fluoranthene	2.8	6.2U	200
Benzo(a)pyrene	5.4	2.7	67

Compound	Concentration (ug/Kg)		RPD
	C032CA43	C032CA44	
Indeno(1,2,3-cd)pyrene	5.4	2.6	70
Benzo(g,h,i)perylene	5.7	3.0	62

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203342

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203342

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203342

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 23, 2002

LDC Report Date: June 13, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203374

Sample Identification

C032CA54
C032CA55
C032CA56
C032CA57
C032C463
C032C464
C032C465
C032C466
C032CB06
C032CB07
C032CB08
C032CB09
C032CB10
C032CC38
C032CC39
C032CC40
C032CC41
C032CC42
C032CA54MS
C032CA54MSD

Introduction

This data review covers 20 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR17 (from SDG 38470) were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032CB09 and C032CB10 and samples C032CC41 and C032CC42 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032CB09	C032CB10	
Fluoranthene	2.1	6.0U	200
Pyrene	4.1	3.0	31
Benzo(b)fluoranthene	1.6	6.0U	200
Indeno(1,2,3-cd)pyrene	2.2	1.9	15
Benzo(g,h,i)perylene	2.5	2.1	17

Compound	Concentration (ug/Kg)		RPD
	C032CC41	C032CC42	
Naphthalene	7.2	7.3	
Acenaphthylene	4.0	3.6	10
Fluorene	1.6	2.0	22
Phenanthrene	14	13	7
Anthracene	5.2	5.6	7
Fluoranthene	59	58	2
Pyrene	110	120	9
Benzo(a)anthracene	29	27	7
Chrysene	39	37	5
Benzo(b)fluoranthene	46	45	2
Benzo(k)fluoranthene	38	38	0

Compound	Concentration (ug/Kg)		RPD
	C032CC41	C032CC42	
Benzo(a)pyrene	68	64	6
Indeno(1,2,3-cd)pyrene	70	65	7
Dibenz(a,h)anthracene	5.8	6.0	3
Benzo(g,h,i)perylene	77	77	0

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203374

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203374

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203374

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 23, 2002

LDC Report Date: June 13, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: APPL, Inc.

Sample Delivery Group (SDG): K2203375

Sample Identification

C032C265	C032C304
C032C266	C032C304MS
C032C267	C032C304MSD
C032C268	
C032C269	
C032C199	
C032C199DL	
C032C200	
C032C201	
C032C202	
C032C202DL	
C032C203	
C032C331	
C032C332	
C032C333	
C032C334	
C032C335	
C032C301	
C032C302	
C032C303	

Introduction

This data review covers 23 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR17 (from SDG #38470) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for sample C032C199DL . Since the sample was diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C199	Chrysene-d12	13789 (100514-402056)	Pyrene Benzo(a)anthracene Chrysene	J (all detects) UJ (all non-detects)	A
C032C199	Perylene-d12	939 (59836-239342)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) R (all non-detects)	A

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032C199	Phenanthrene Fluoranthene Pyrene Chrysene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A
C032C202	Benzo(b)fluoranthene Benzo(a)pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C199	All TCL compounds except Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Anthracene	R	A
C032C199DL	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Anthracene	R R R R R R	A
C032C202	Benzo(b)fluoranthene Benzo(a)pyrene	R R	A

Sample	Compound	Flag	A or P
C032C202DL	All TCL compounds except Benzo(b)fluoranthene Benzo(a)pyrene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C266 and C032C267, samples C032C200 and C032C201 and samples C032C332 and C032C333 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C200	C032C201	
Naphthalene	3.7	2.6	35
2-Methylnaphthalene	3.8	3.2	17
Acenaphthene	5.5	3.2	53
Fluorene	3.8	2.5	41
Phenanthrene	43	25	53
Anthracene	9.8	5.3	60
Fluoranthene	170	110	43
Pyrene	160	110	37
Benzo(a)anthracene	140	110	24
Chrysene	180	130	32
Benzo(b)fluoranthene	300	240	22
Benzo(k)fluoranthene	110	79	33
Benzo(a)pyrene	250	200	22

Compound	Concentration (ug/Kg)		RPD
	C032C200	C032C201	
Indeno(1,2,3-cd)pyrene	210	170	21
Dibenz(a,h)anthracene	39	33	17
Benzo(g,h,i)perylene	150	130	14

Compound	Concentration (ug/Kg)		RPD
	C032C332	C032C333	
Fluoranthene	4.5	6.0U	200
Pyrene	6.5	6.0U	200
Benzo(a)anthracene	2.3	6.0U	200
Chrysene	2.2	6.0U	200
Benzo(b)fluoranthene	3.9	6.0U	200
Benzo(a)pyrene	4.1	6.0U	200
Indeno(1,2,3-cd)pyrene	3.8	6.0U	200
Benzo(g,h,i)perylene	3.3	6.0U	200

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203375

SDG	Sample	Compound	Flag	A or P	Reason
K2203375	C032C199	Pyrene Benzo(a)anthracene Chrysene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
K2203375	C032C199	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) R (all non-detects)	A	Internal standards (area)
K2203375	C032C199	Phenanthrene Fluoranthene Pyrene Chrysene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Compound quantitation and CRQLs
K2203375	C032C202	Benzo(b)fluoranthene Benzo(a)pyrene	J (all detects) J (all detects)	A	Compound quantitation and CRQLs
K2203375	C032C199	All TCL compounds except Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Anthracene	R	A	Overall assessment of data
K2203375	C032C199DL	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Anthracene	R R R R R R	A	Overall assessment of data
K2203375	C032C202	Benzo(b)fluoranthene Benzo(a)pyrene	R R	A	Overall assessment of data
K2203375	C032C202DL	All TCL compounds except Benzo(b)fluoranthene Benzo(a)pyrene	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203375

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203375

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 24, 2002

LDC Report Date: June 13, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: APPL, Inc.

Sample Delivery Group (SDG): K2203407

Sample Identification

C032CC78	C032C698MS
C032CC79	C032C698MSD
C032CC80	
C032CC81	
C032CD17	
C032CD18	
C032CD19	
C032CD20	
C032CD21	
C032C270	
C032C271	
C032C272	
C032C273	
C032C169	
C032C169DL	
C032C170	
C032C171	
C032C172	
C032C697	
C032C698	

Introduction

This data review covers 22 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR18 (from SDG #38470) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR18	5/24/02	Phenanthrene Benzo(k)fluoranthene	0.019 ug/L 0.019 ug/L	All samples in SDG K2203407

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032C169	Chrysene Benzo(b)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C169	Chrysene Benzo(b)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R R R R R R	A
C032C169DL	All TCL compounds except Chrysene Benzo(b)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032CD18 and C032CD19 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032CD18	C032CD19	
Acenaphthene	1.7	5.8U	200
Acenaphthylene	2.1	5.8U	200
Fluorene	3.2	5.8U	200
Phenanthrene	53	10	136
Anthracene	8.0	2.3	111
Fluoranthene	92	22	123
Pyrene	94	27	111
Benzo(a)anthracene	49	11	127
Chrysene	56	12	129
Benzo(b)fluoranthene	76	14	138
Benzo(k)fluoranthene	24	3.8	145
Benzo(a)pyrene	71	14	134
Indeno(1,2,3-cd)pyrene	44	8.4	136
Dibenz(a,h)anthracene	6.4	5.8U	200
Benzo(g,h,i)perylene	34	6.4	37

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203407

SDG	Sample	Compound	Flag	A or P	Reason
K2203407	C032C169	Chrysene Benzo(b)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Compound quantitation and CRQLs
K2203407	C032C169	Chrysene Benzo(b)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R R R R R R	A	Overall assessment of data
K2203407	C032C169DL	All TCL compounds except Chrysene Benzo(b)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203407

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203407

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 24, 2002

LDC Report Date: June 13, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203408

Sample Identification

C032C699
C032C700
C032C674
C032C675
C032C676
C032C677
C032C678
C032C652
C032C653
C032C654
C032C655
C032C656
C032C670
C032C671
C032C672
C032C673
C032C680
C032C681
C032C682
C032C682MS
C032C682MSD

Introduction

This data review covers 21 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR18 (from SDG 38470) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR18	5/24/02	Phenanthrene Benzo(k)fluoranthene	0.019 ug/L 0.019 ug/L	All samples in SDG K2203271

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C677 and C032C678 and samples C032C655 and C032C656 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203408

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203408

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203408

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 14, 2002

LDC Report Date: June 16, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E150186

Sample Identification

C032C217
C032C217DL
C032C218
C032C218DL
C032C219
C032C219DL
C032C220
C032C287
C032C287DL
C032C288
C032C289
C032C290
C032C291
C032C323
C032C323DL
C032C324
C032C324DL
C032C325
C032C326
C032C283
C032C283DL
C032C284
C032C285
C032C286
C032C220MS
C032C220MSD

Introduction

This data review covers 26 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
5/17/02	Benzo(g,h,i)perylene	25.1	C032C217DL C032C218DL C032C219DL C032C287DL C032C290 C032C323DL C032C324DL C032C325 C032C283DL C032C285	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR06 (from SDG K2203084) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR06	5/14/02	Naphthalene 2-Methylnaphthalene Chrysene	0.0074 ug/L 0.0031 ug/L 0.0015 ug/L	All samples in SDG G2E150186

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for several samples. Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C287DL	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12	157836 (163869-654276) 88897 (99537-398148) 106239 (135474-541896) 84370 (93453-373814)	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene	J (all detects) UJ (all non-detects)	A
C032C285	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12	157829 (163869-654276) 96516 (99537-398148) 124122 (135474-541896) 92853 (93453-373814)	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene	J (all detects) UJ (all non-detects)	P

Several problems related to the initial calibration and continuing calibration internal standards were identified.

Sample	Finding	Associated Compound	Flag	A or P
C032C217 C032C218 C032C219 C032C287 C032C323 C032C283	1.) Area counts of all internal standards, surrogates and target compounds in the midpoint standard were >2x the area counts in the other initial calibration standards analyzed 5/21/02. 2.) Area counts of all internal standards, surrogates and target compounds in the continuing calibration were >2x the area counts in the initial calibration standards analyzed 5/21/02 except the midpoint standard. 3.) Area counts of all internal standards of the continuing calibration were >2x the area counts in all samples and method blanks as applicable.	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032C324	1.) Area counts of all internal standards, surrogates and target compounds in the midpoint standard were >2x the area counts in the other initial calibration standards analyzed 5/21/02. 2.) Area counts of all internal standards, surrogates and target compounds in the continuing calibration were >2x the area counts in the initial calibration standards analyzed 5/21/02 except the midpoint standard.	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032C217 C032C218 C032C219 C032C287 C032C323 C032C283	The 100 ng/ml standard in the initial calibration on 5/21/02 was analyzed after these samples.	All TCL compounds	J (all detects) UJ (all non-detects)	P

The laboratory indicated that the area counts were extremely high for all internal standards, surrogates and target compounds in the midpoint standard of the initial calibration and continuing calibration standards because the standard solution used to prepare these standards has concentrated.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C217DL C032C218DL C032C219DL C032C287DL C032C323DL C032C324DL C032C283DL	All TCL compounds	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C288 and C032C289 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C288	C032C289	
Benzo(a)anthracene	5.6U	0.47	200
Benzo(b)fluoranthene	5.6U	0.63	200
Benzo(k)fluoranthene	0.53	0.65	20
Benzo(g,h,i)perylene	1.4	0.75	60
Benzo(a)pyrene	0.46	0.70	41
Chrysene	0.62	1.2	64
Dibenz(a,h)anthracene	0.47	5.6U	200
Fluoranthene	0.52	0.54	4
Indeno(1,2,3-cd)pyrene	0.75	5.6U	200

Compound	Concentration (ug/Kg)		RPD
	C032C288	C032C289	
Phenanthrene	0.39	0.58	39
Pyrene	0.70	1.0	35

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E150186

SDG	Sample	Compound	Flag	A or P	Reason
G2E150186	C032C217DL C032C218DL C032C219DL C032C287DL C032C290 C032C323DL C032C324DL C032C325 C032C283DL C032C285	Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E150186	C032C287DL	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
G2E150186	C032C285	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E150186	C032C217 C032C218 C032C219 C032C287 C032C323 C032C324 C032C283	All TCL compounds	J (all detects) UJ (all non-detects)	P	Internal standards
G2E150186	C032C217DL C032C218DL C032C219DL C032C287DL C032C323DL C032C324DL C032C283DL	All TCL compounds	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E150186

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E150186

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 15, 2002

LDC Report Date: June 17, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level IV

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E160197

Sample Identification

C032C948
C032C949
C032C950
C032C951
C032C979
C032C980
C032C981
C032C982
C032C213
C032C214
C032C215
C032C216
C032C116
C032C117
C032C118
C032C119

Introduction

This data review covers 16 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
5/12/02	Benzo(b)fluoranthene	25.2	C032C948 C032C949 C032C950 C032C951 C032C979 C032C980 C032C981 C032C982 C032C214 C032C215 C032C216 C032C116 C032C117 2136469MB	J (all detects) UJ (all non-detects)	A
5/19/02	Benzo(b)fluoranthene	29.7	C032C213	J (all detects) UJ (all non-detects)	A
5/17/02	Naphthalene	29.9	C032C118 C032C119 2136474MB	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Extraction Date	Compound TIC (RT in minutes)	Concentration	Associated Samples
2136469MB	5/16/02	2-Methylnaphthalene	0.33 ug/Kg	C032C948 C032C949 C032C950 C032C951 C032C979 C032C980 C032C981 C032C982 C032C213 C032C214 C032C215 C032C216 C032C116 C032C117

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Compound TIC (RT in minutes)	Reported Concentration	Modified Final Concentration
C032C98[illegible]	2-Methylnaphthalene	0.55 ug/Kg	5.6U ug/Kg
C032C982	2-Methylnaphthalene	0.41 ug/Kg	5.9U ug/Kg
C032C213	2-Methylnaphthalene (20X)	27 ug/Kg	100U ug/Kg
C032C214	2-Methylnaphthalene	0.33 ug/Kg	5.4U ug/Kg
C032C116	2-Methylnaphthalene	0.74 ug/Kg	5.7U ug/Kg

Sample C032CR08 (from SDG K2203084) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR08	5/15/02	Naphthalene Phenanthrene Chrysene Fluoranthene	0.0070 ug/L 0.0034 ug/L 0.0019 ug/L 0.0033 ug/L	All samples in SDG G2E160197

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for several samples. Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
All samples in SDG G2E160197	All TCL compounds	No MS/MSD associated with these samples.	MS/MSD required.	None	P

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

All target compound identifications were within validation criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was acceptable.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E160197

SDG	Sample	Compound	Flag	A or P	Reason
G2E160197	C032C948 C032C949 C032C950 C032C951 C032C979 C032C980 C032C981 C032C982 C032C213 C032C214 C032C215 C032C216 C032C116 C032C117	Benzo(b)fluoranthene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E160197	C032C118 C032C119	Naphthalene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E160197	C032C948 C032C949 C032C950 C032C951 C032C979 C032C980 C032C981 C032C982 C032C213 C032C214 C032C215 C032C216 C032C116 C032C117 C032C118 C032C119	All TCL compounds	None	P	Matrix spike/Matrix spike duplicates

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E160197

SDG	Sample	Compound TIC (RT in minutes)	Modified Final Concentration	A or P
G2E160197	C032C981	2-Methylnaphthalene	5.6U ug/Kg	A
G2E160197	C032C982	2-Methylnaphthalene	5.9U ug/Kg	A
G2E160197	C032C213	2-Methylnaphthalene (20X)	100U ug/Kg	A
G2E160197	C032C214	2-Methylnaphthalene	5.4U ug/Kg	A

SDG	Sample	Compound TIC (RT in minutes)	Modified Final Concentration	A or P
G2E160197	C032C116	2-Methylnaphthalene	5.7U ug/Kg	A

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E160197

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 16, 2002

LDC Report Date: June 16, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E170200

Sample Identification

C032C208
C032C208DL
C032C209
C032C210
C032C211
C032C212
C032CB19
C032CB20
C032CB21
C032CB22
C032CB23
C032CB63
C032CB64
C032CB65
C032CB66
C032CB66DL
C032CB67
C032C210MS
C032C210MSD

Introduction

This data review covers 19 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
5/25/02	Benzo(g,h,i)perylene	28.4	C032C208 C032CB66	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were greater than or equal to 0 05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR09 (from SDG K2203084) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR09	5/16/02	Naphthalene 2-Methylnaphthalene Chrysene	0.0047 ug/L 0.0033 ug/L 0.0017 ug/L	All samples in SDG G2E170200

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for samples C032C208DL and C032CB66DL. Since the samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C210MS/MSD (All samples in SDG G2E170200)	Pyrene	-	-	32 (≤30)	J (all detects) UJ (all non-detects)	A
	Benzo(b)fluoranthene	-	-	32 (≤30)	J (all detects) UJ (all non-detects)	

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032CB63	Phenanthrene-d10 Chrysene-d12 Perylene-d12	289748 (69560-278238) 162193 (38918-155670) 119360 (32269-129076)	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	P
C032CB64	Phenanthrene-d10 Chrysene-d12 Perylene-d12	347506 (69560-278238) 186831 (38918-155670) 143385 (32269-129076)	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	P
C032CB65	Phenanthrene-d10 Chrysene-d12 Perylene-d12	348702 (69560-278238) 162996 (38918-155670) 133874 (32269-129076)	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	P

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032CB66DL	Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12	263724 (63946-255786) 356216 (69560-278238) 159751 (38918-155670)	Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A
C032CB67	Phenanthrene-d10 Chrysene-d12	285424 (69560-278238) 162514 (38918-155670)	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	P

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C208DL C032CB66DL	All TCL compounds	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C211 and C032C212, samples C032CB20 and C032CB21, and samples C032CB64 and C032CB65 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C211	C032C212	
Chrysene	0.46	0.68	39
Pyrene	0.47	1.0	72
Benzo(a)anthracene	5.9U	0.52	200
Benzo(b)fluoranthene	5.9U	0.64	200
Benzo(k)fluoranthene	5.9U	0.66	200
Benzo(g,h,i)peryiene	5.9U	0.80	200
Benzo(a)pyrene	5.9U	0.71	200
Fluoranthene	5.9U	0.72	200
Indeno(1,2,3-cd)pyrene	5.9U	0.64	200

Compound	Concentration (ug/Kg)		RPD
	C032CB20	C032CB21	
Anthracene	5.2U	1.4	200
Benzo(a)anthracene	1.2	1.3	8
Benzo(b)fluoranthene	2.0	2.6	26
Benzo(k)fluoranthene	1.3	1.7	27
Benzo(g,h,i)perylene	2.3	4.8	70
Benzo(a)pyrene	2.0	2.0	0
Chrysene	2.9	1.5	64

Compound	Concentration (ug/Kg)		RPD
	C032CB20	C032CB21	
Dibenz(a,h)anthracene	0.39	0.33	17
Fluoranthene	2.0	1.5	29
Indeno(1,2,3-cd)pyrene	1.8	3.1	53
Phenanthrene	1.1	0.58	62
Pyrene	3.1	1.9	48

Compound	Concentration (ug/Kg)		RPD
	C032CB64	C032CB65	
Acenaphthene	0.98	5.4U	200
Acenaphthylene	3.9	5.1	27
Anthracene	3.2	6.1	62
Benzo(a)anthracene	39	43	10
Benzo(b)fluoranthene	73	61	18
Benzo(k)fluoranthene	66	38	54
Benzo(g,h,i)perylene	110	53	70
Benzo(a)pyrene	92	61	40
Chrysene	53	50	48
Dibenz(a,h)anthracene	16	11	37
Fluoranthene	83	63	27
Indeno(1,2,3-cd)pyrene	98	54	58
2-Methylnaphthalene	0.85	0.81	5

Compound	Concentration (ug/Kg)		RPD
	C032CB64	C032CB65	
Naphthalene	4.4	2.0	75
Phenanthrene	21	41	64
Pyrene	110	79	33
Fluorene	5.4U	2.4	200

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E170200

SDG	Sample	Compound	Flag	A or P	Reason
G2E170200	C032C208 C032CB66	Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E170200	C032C208 C032C208DL C032C209 C032C210 C032C211 C032C212 C032CB19 C032CB20 C032CB21 C032CB22 C032CB23 C032CB63 C032CB64 C032CB65 C032CB66 C032CB66DL C032CB67	Pyrene Benzo(b)fluoranthene	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (RPD)
G2E170200	C032CB63 C032CB64 C032CB65	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	P	Internal standards (area)
G2E170200	C032CB66DL	Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Internal standards (area)
G2E170200	C032CB67	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	P	Internal standards (area)
G2E170200	C032C208DL C032CB66DL	All TCL compounds	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E170200

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E170200

No Sample Data Qualified in this SDG

LDC Report# 8589N2

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 16, 2002

LDC Report Date: June 16, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E170207

Sample Identification

C032CB41	C032CB30MS
C032CB42	C032CB30MSD
C032CB42DL	
C032CB43	
C032CB43DL	
C032CB44	
C032CB45	
C032CB28	
C032CB28DL	
C032CB29	
C032CB29DL	
C032CB30	
C032CB30DL	
C032CB31	
C032CB32	
C032C111	
C032C112	
C032C113	
C032C114	
C032C115	

Introduction

This data review covers 22 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
5/22/02	Dibenz(a,h)anthracene	26.65321	C032CB42DL C032CB43DL C032CB28DL C032CB29DL C032CB30DL	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR09 (from SDG K2203084) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR09	5/16/02	Naphthalene 2-Methylnaphthalene Chrysene	0.0047 ug/L 0.0033 ug/L 0.0017 ug/L	All samples in SDG G2E170207

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for several samples. Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032CB30MS/MSD (All samples in SDG G2E170207)	Naphthalene 2-Methylnaphthalene Acenaphthene Fluorene	29 (30-150) - - -	146 (30-150) 101 (30-150) 290 (30-150) 291 (30-150)	82 (≤30) 40 (≤30) 112 (≤30) 109 (≤30)	J (all detects) UJ (all non-detects)	A
C032CB30MS/MSD (All samples in SDG G2E170207)	Acenaphthylene Dibenz(a,h)anthracene Anthracene	0 (30-150) 0 (30-150) 0.0 (30-150)	343 (30-150) 316 (30-150) 875 (30-150)	- - -	J (all detects) R (all non-detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
2138181MB	Chrysene-d12	213992 (51016-204066)	Benzo(a)anthracene Chrysene	J (all detects) J (all detects)	P
C032CB41	Chrysene-d12 Perylene-d12	234443 (51016-204066) 214935 (47760-191040)	Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	P
C032CB44	Chrysene-d12 Perylene-d12	217110 (51016-204066) 197201 (47760-191040)	Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	P

Several problems related to the initial calibration and continuing calibration internal standards were identified.

Sample	Finding	Associated Compound	Flag	A or P
C032CB42DL C032CB43DL C032CB28DL C032CB29DL C032CB30DL	1.) Area counts of all internal standards, surrogates and target compounds in the midpoint standard were >2x the area counts in the other initial calibration standards analyzed 5/21/02. 2.) Area counts of all internal standards, surrogates and target compounds in the continuing calibration were >2x the area counts in the initial calibration standards analyzed 5/21/02 except the midpoint standard. 3.) Area counts of all internal standards of the continuing calibration were >2x the area counts in all samples and method blanks as applicable.	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032CB42DL C032CB43DL	The 100 ng/ml standard in the initial calibration on 5/21/02 was analyzed after these samples.	All TCL compounds	J (all detects) UJ (all non-detects)	P

The laboratory indicated that the area counts were extremely high for all internal standards, surrogates and target compounds in the midpoint standard of the initial calibration and continuing calibration standards because the standard solution used to prepare these standards has concentrated.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032CB42 C032CB43	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Chrysene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A
C032CB29 C032CB30	Benzo(a)pyrene Fluoranthene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects)	A

Sample	Compound	Finding	Criteria	Flag	A or P
C032CB28	Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032CB29 C032CB30	Benzo(a)pyrene Fluoranthene Pyrene	R R R	A
C032CB29DL C032CB30DL	All TCL compounds except Benzo(a)pyrene Fluoranthene Pyrene	R	A
C032CB42 C032CB43	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Chrysene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	R R R R R R R R R R	A

Sample	Compound	Flag	A or P
C032CB42DL C032CB43DL	All TCL compounds except Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Chrysene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	R	A
C032CB28	Pyrene	R	A
C032CB28DL	All TCL compounds except Pyrene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032CB42 and C032CB43, samples C032CB42DL and C032CB43DL, samples C032CB31 and C032CB32, and samples C032C112 and C032C113 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032CB42	C032CB43	
Acenaphthene	15	14	7
Acenaphthylene	65	72	10
Anthracene	69	79	13
Benzo(a)anthracene	320	360	12
Benzo(b)fluoranthene	360	400	10
Benzo(k)fluoranthene	290	340	15
Benzo(g,h,i)perylene	420	480	13
Benzo(a)pyrene	460	530	14

Compound	Concentration (ug/Kg)		RPD
	C032CB42	C032CB43	
Chrysene	320	370	4
Dibenz(a,h)anthracene	80	93	5
Fluoranthene	800	960	8
Fluorene	27	24	2
Indeno(1,2,3-cd)pyrene	430	490	13
2-Methylnaphthalene	4.8	4.2	13
Naphthalene	20	17	16
Phenanthrene	440	420	5
Pyrene	980	1200	20

Compound	Concentration (ug/Kg)		RPD
	C032CB42DL	C032CB43DL	
Acenaphthene	23	20	14
Acenaphthylene	100	92	8
Anthracene	92	93	1
Benzo(a)anthracene	430	430	0
Benzo(b)fluoranthene	440	440	0
Benzo(k)fluoranthene	450	480	5
Benzo(g,h,i)perylene	560	610	8
Benzo(a)pyrene	720	760	5
Chrysene	500	540	8

Compound	Concentration (ug/Kg)		RPD
	C032CB42DL	C032CB43DL	
Dibenz(a,h)anthracene	110	130	17
Fluoranthene	1000	1100	10
Fluorene	34	27	23
Indeno(1,2,3-cd)pyrene	510	640	23
2-Methylnaphthalene	6.5	5.1	24
Naphthalene	26	22	17
Phenanthrene	630	530	17
Pyrene	1200	1300	8

Compound	Concentration (ug/Kg)		RPD
	C032CB31	C032CB32	
Benzo(a)anthracene	9.4	3.9	83
Benzo(b)fluoranthene	16	56U	200
Benzo(k)fluoranthene	11	5.8	62
Benzo(g,h,i)perylene	90	36	86
Benzo(a)pyrene	17	8.9	62
Chrysene	13	6.7	64
Dibenz(a,h)anthracene	18	56U	200
Fluoranthene	28	6.0	129
Indeno(1,2,3-cd)pyrene	66	12	138
Phenanthrene	18	56U	200

Compound	Concentration (ug/Kg)		RPD
	C032CB31	C032CB32	
Pyrene	33	8.1	121

Compound	Concentration (ug/Kg)		RPD
	C032C112	C032C113	
Benzo(a)anthracene	44	61	32
Benzo(b)fluoranthene	28	31	10
Benzo(k)fluoranthene	16	16	0
Benzo(g,h,i)perylene	18	28	43
Benzo(a)pyrene	33	33	0
Chrysene	120	160	29
Fluoranthene	14	16	13
Phenanthrene	4.6	5.1	10
Pyrene	62	83	29
Naphthalene	53U	3.4	200

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E170207

SDG	Sample	Compound	Flag	A or P	Reason
G2E170207	C032CB42DL C032CB43DL C032CB28DL C032CB29DL C032CB30DL	Dibenz(a,h)anthracene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E170207	C032CB41 C032CB42 C032CB42DL C032CB43 C032CB43DL C032CB44 C032CB45 C032CB28 C032CB28DL C032CB29 C032CB29DL C032CB30 C032CB30DL C032CB31 C032CB32 C032C111 C032C112 C032C113 C032C114 C032C115	Naphthalene 2-Methylnaphthalene Acenaphthene Fluorene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)(RPD)
G2E170207	C032CB41 C032CB42 C032CB42DL C032CB43 C032CB43DL C032CB44 C032CB45 C032CB28 C032CB28DL C032CB29 C032CB29DL C032CB30 C032CB30DL C032CB31 C032CB32 C032C111 C032C112 C032C113 C032C114 C032C115	Acenaphthylene Dibenz(a,h)anthracene Anthracene	J (all detects) R (all non-detects) J (all detects) R (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)

SDG	Sample	Compound	Flag	A or P	Reason
G2E170207	C032CB41 C032CB44	Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	P	Internal standards (area)
G2E170207	C032CB42DL C032CB43DL C032CB28DL C032CB29DL C032CB30DL	All TCL compounds	J (all detects) UJ (all non-detects)	P	Internal standards
G2E170207	C032CB42 C032CB43	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Chrysene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Compound quantitation and CRQLs
G2E170207	C032CB29 C032CB30	Benzo(a)pyrene Fluoranthene Pyrene	J (all detects) J (all detects) J (all detects)	A	Compound quantitation and CRQLs
G2E170207	C032CB28	Pyrene	J (all detects)	A	Compound quantitation and CRQLs
G2E170207	C032CB29 C032CB30	Benzo(a)pyrene Fluoranthene Pyrene	R R R	A	Overall assessment of data
G2E170207	C032CB29DL C032CB30DL	All TCL compounds except Benzo(a)pyrene Fluoranthene Pyrene	R	A	Overall assessment of data
G2E170207	C032CB42 C032CB43	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Chrysene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	R R R R R R R R R R	A	Overall assessment of data

SDG	Sample	Compound	Flag	A or P	Reason
G2E170207	C032CB42DL C032CB43DL	All TCL compounds except Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Chrysene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	R	A	Overall assessment of data
G2E170207	C032CB28	Pyrene	R	A	Overall assessment of data
G2E170207	C032CB28DL	All TCL compounds except Pyrene	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E170207

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E170207

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 24, 2002

LDC Report Date: June 16, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E250150

Sample Identification

C032C307
C032C308
C032C309
C032C310
C032C311
C032C312
C032C313
C032C702
C032C703
C032C704
C032C702MS
C032C702MSD

Introduction

This data review covers 12 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Extraction Date	Compound TIC (RT in minutes)	Concentration	Associated Samples
2145134MB	5/25/02	Benzo(g,h,i)perylene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene	0.45 ug/Kg 0.61 ug/Kg 0.34 ug/Kg	All samples in SDG G2E250150

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Compound TIC (RT in minutes)	Reported Concentration	Modified Final Concentration
C032C307	Benzo(g,h,i)perylene Indeno(1,2,3-cd)pyrene	0.93 ug/Kg 1.0 ug/Kg	6.0U ug/Kg 6.0U ug/Kg
C032C311	Benzo(g,h,i)perylene	0.43 ug/Kg	6.0U ug/Kg
C032C313	Benzo(g,h,i)perylene	0.46 ug/Kg	6.2U ug/Kg

Sample C032CR18 (from SDG 38470) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR18	5/24/02	Phenanthrene Benzo(k)fluoranthene	0.019 ug/L 0.019 ug/L	All samples in SDG G2E250150

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C702MS/MSD (All samples in SDG G2E250150)	Chrysene	-	-	42 (≤30)	J (all detects) UJ (all non-detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C702	Perylene-d12	99076 (111123-444494)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A
C032C703	Perylene-d12	110879 (111123-444494)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P
C032C704	Perylene-d12	79651 (111123-444494)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C310 and C032C311 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C310	C032C311	
Benzo(a)pyrene	1.1	1.4	24
Pyrene	0.45	0.85	61
Benzo(k)fluoranthene	6.2U	0.38	200
Benzo(g,h,i)perylene	6.2U	0.43	200
Fluoranthene	6.2U	0.46	200

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 16, 2002

LDC Report Date: June 13, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: APPL, Inc.

Sample Delivery Group (SDG): 38382

Sample Identification

C032CA27	C032CB55
C032CA28	C032CB56
C032CA28RE	C032CB56DL
C032CA29	C032CB57
C032CA30	C032CB58
C032CB33	C032C184MS
C032CB34	C032C184MSD
C032CB35	
C032CB36	
C032CB36DL	
C032C182	
C032C183	
C032C184	
C032C185	
C032C239	
C032C239DL	
C032C239DLRE	
C032C240	
C032C241	
C032C242	

Introduction

This data review covers 27 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

In the case where %RSD was greater than 15.0%, the laboratory used a calibration curve to evaluate the compound. All coefficients of determination (r^2) were greater than or equal to 0.990 .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR09 (from SDG #K2203084) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR09	5/16/02	Naphthalene 2-Methylnaphthalene Chrysene	0.0047 ug/L 0.0033 ug/L 0.0017 ug/L	All samples in SDG 38382

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits with the following exceptions:

Sample	Surrogate	%R (Limits)	Compound	Flag	A or P
C032CA28	2-Fluorobiphenyl Nitrobenzene-d5 Terphenyl-d14	30.7 (54-125) 35.3 (49-121) 33.5 (57-126)	All TCL compounds	J (all detects) UJ (all non-detects)	A

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032CA28RE C032C[illegible]39DLRE	All TCL compounds	No MS/MSD associated with these samples.	MS/MSD required.	None	P

Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C184MS/MSD	2-Methylnaphthalene	-	145 (40-135)	32.8 (≤30)	J (all detects)	A
(C032CA27	Acenaphthene	-	-	33.7 (≤30)	UJ (all non-detects)	
C032CA28	Anthracene	-	-	30.2 (≤30)		
C032CA29	Fluorene	-	-	38.5 (≤30)		
C032CA30	Naphthalene	-	136 (40-135)	30.8 (≤30)		
C032CB33	Phenanthrene	-	-	44.0 (≤30)		
C032CB34						
C032CB35						
C032CB36						
C032CB36DL						
C032C182						
C032C183						
C032C184						
C032C185						
C032C239						
C032C239DL						
C032C240						
C032C241						
C032C242						
C032CB55						
C032CB56						
C032CB56DL						
C032CB57						
C032CB58)						

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C239DL	Naphthalene-d8 Perylene-d12	346166 (359770-1439078) 278938 (292611-1170446)	Naphthalene 2-Methylnaphthalene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C241	Naphthalene-d8 Perylene-d12	342649 (359770-1439078) 267975 (292611-1170446)	Naphthalene 2-Methylnaphthalene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P
C032CB56DL	Perylene-d12	240442 (292611-1170446)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032CB36	Fluoranthene Phenanthrene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032CB36	Fluoranthene Phenanthrene Pyrene	R R R	A
C032CA28 C032C239DL C032C239DLRE C032CB56DL	All TCL compounds	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG 38382

SDG	Sample	Compound	Flag	A or P	Reason
38382	C032CA28	All TCL compounds	J (all detects) UJ (all non-detects)	A	Surrogate recovery (%R)
38382	C032CA28RE C032C239DLRE	All TCL compounds	None	P	Matrix spike/Matrix spike duplicates
38382	C032CA27 C032CA28 C032CA29 C032CA30 C032CB33 C032CB34 C032CB35 C032CB36 C032CB36DL C032C182 C032C183 C032C184 C032C185 C032C239 C032C239DL C032C240 C032C241 C032C242 C032CB55 C032CB56 C032CB56DL C032CB57 C032CB58	2-Methylnaphthalene Acenaphthene Anthracene Fluorene Naphthalene Phenanthrene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)(RPD)
38382	C032C239DL	Naphthalene 2-Methylnaphthalene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
38382	C032C241	Naphthalene 2-Methylnaphthalene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P	Internal standards (area)
38382	C032CB56DL	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Internal standards (area)

SDG	Sample	Compound	Flag	A or P	Reason
38382	C032CB36	Fluoranthene Phenanthrene Pyrene	J (all detects) J (all detects) J (all detects)	A	Compound quantitation and CRQLs
38382	C032CB36	Fluoranthene Phenanthrene Pyrene	R R R	A	Overall assessment of data
38382	C032CA28 C032C239DL C032C239DLRE C032CB56DL	All TCL compounds	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG 38382

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG 38382

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 20, 2002

LDC Report Date: June 13, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: APPL, Inc.

Sample Delivery Group (SDG): 38406

Sample Identification

C032C103	C032C105MS
C032C104	C032C105MSD
C032C105	
C032C106	
C032C063	
C032C064	
C032C065	
C032C066	
C032C066RE	
C032C459	
C032C459DL	
C032C460	
C032C460DL	
C032C461	
C032C462	
C032C472	
C032C472DL	
C032C473	
C032C474	
C032C475	

Introduction

This data review covers 22 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

In the case where %RSD was greater than 15.0%, the laboratory used a calibration curve to evaluate the compound. All coefficients of determination (r^2) were greater than or equal to 0.990 .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0 05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR011 (from SDG #38470) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for several samples. Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID	Compound	%R (Limits)	Associated Samples	Flag	A or P
020523ALCS	Acenaphthylene	36.7 (37-135)	C032C066RE 020523ABLK	J (all detects) UJ (all non-detects)	P

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C460	Naphthalene-d8 Acenaphthene-d10	1691350 (351412-1405646) 944433 (217813-871250)	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C066RE C032C459DL C032C460DL C032C472DL	All TCL compounds	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG 38406

SDG	Sample	Compound	Flag	A or P	Reason
38406	C032C066RE	Acenaphthylene	J (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
38406	C032C460	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Internal standards (area)
38406	C032C066RE C032C459DL C032C460DL C032C472DL	All TCL compounds	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG 38406

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG 38406

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 21, 2002

LDC Report Date: June 13, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: APPL, Inc.

Sample Delivery Group (SDG): 38422

Sample Identification

C032C957
C032C958
C032C959
C032C960
C032C877
C032C878
C032C879
C032C880
C032C881
C032C995
C032C094
C032C094DL
C032C095
C032C096
C032C097
C032C125
C032C126
C032C127
C032C128
C032C960MS
C032C960MSD

Introduction

This data review covers 21 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

In the case where %RSD was greater than 15.0%, the laboratory used a calibration curve to evaluate the compound. All coefficients of determination (r^2) were greater than or equal to 0.990 .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR12 and C032CR13 (from SDG 38470) were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for samples C032C094 and C032C094DL . Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C094DL	All TCL compounds	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C878 and C032C879 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG 38422

SDG	Sample	Compound	Flag	A or P	Reason
38422	C032C094DL	All TCL compounds	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG 38422

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG 38422

No Sample Data Qualified in this SDG

LDC Report# 8589S2

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 23, 2002

LDC Report Date: June 14, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level IV

Laboratory: APPL, Inc.

Sample Delivery Group (SDG): 38451

Sample Identification

C032C423
C032C424
C032C425
C032C426
C032C427
C032C389
C032C390
C032C391
C032C392
C032CB50
C032CB51
C032CB52
C032CB53
C032CB54
C032CB99
C032CB00
C032CC01
C032CC02
C032CC02RE
C032C425MS
C032C4[illegible]MSD

Introduction

This data review covers 21 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

In the case where %RSD was greater than 15.0%, the laboratory used a calibration curve to evaluate the compound. All coefficients of determination (r^2) were greater than or equal to 0.990 .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR17 (from SDG #38470) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits with the following exceptions:

Sample	Surrogate	%R (Limits)	Compound	Flag	A or P
C032CC02	2-Fluorobiphenyl Nitrobenzene-d5 Terphenyl-d14	4.5 (54-125) 4.1 (49-121) 6.0 (57-126)	All TCL compounds	J (all detects) R (all non-detects)	A

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032CC02RE	All TCL compounds	No MS/MSD associated with these samples.	MS/MSD required.	None	P

Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C425MS/MSD (C032C423 C032C424 C032C425 C032C426 C032C427 C032C389 C032C390 C032C391 C032C392 C032CB50 C032CB51 C032CB52 C032CB53 C032CB54 C032CB99 C032CB00 C032CC01 C032CC02)	2-Methylnaphthalene Anthracene Benzo(a)anthracene Benzo(g,h,i)perylene Chrysene Indeno(1,2,3-cd)pyrene Phenanthrene	- - - - - - -	- - 30.9 (41-143) 23.0 (25-159) 24.1 (45-143) - 13.2 (44-135)	42.0 (≤30) 36.0 (≤30) - 32.6 (≤30) - 30.7 (≤30) 35.5 (≤30)	J (all detects) UJ (all non-detects)	A
C032C425MS/MSD (C032C423 C032C424 C032C425 C032C426 C032C427 C032C389 C032C390 C032C391 C032C392 C032CE50 C032CE51 C032CE52 C032CE53 C032CE54 C032CE99 C032CE00 C032CC01 C032CC02)	Fluoranthene Pyrene	0 (37-135) 0 (37-146)	0 (37-135) 0 (37-146)	37.6 (≤30) 35.5 (≤30)	J (all detects) R (all non-detects) J (all detects) R (all non-detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID	Compound	%R (Limits)	Associated Samples	Flag	A or P
020524ALCS	2-Methylnaphthalene	31.9 (40-135)	C032C423 C032C424	J (all detects) UJ (all non-detects)	P
	Naphthalene	26.1 (40-135)	C032C425 C032C426 C032C427 C032C389 C032C390 C032C391 C032C392 C032CB50 C032CB51 C032CB52 C032CB53 C032CB54 C032CB99 C032CB00 C032CC01 C032CC02 020524ABLK	J (all detects) UJ (all non-detects)	

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

All target compound identifications were within validation criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was acceptable.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032CC02	All TCL compounds	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C424 and C032C425, samples C032C391 and C032C392 and samples C032CB53 and C032CB54 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C424	C032C425	
Acenaphthylene	3.6	6.3	54
Anthracene	6.4	15.0	80
Benzo(a)anthracene	17.0	52.0	101
Benzo(a)pyrene	25.0	57.0	78
Benzo(b)fluoranthene	27.0	59.0	74
Benzo(g,h,i)perylene	27.0	46.0	52
Benzo(k)fluoranthene	20.0	46.0	79
Chrysene	21.0	62.0	99
Fluoranthene	20.0	140.0	150
Indeno(1,2,3-cd)pyrene	17.0	34.0	67
Phenanthrene	5.5	52.0	162
Pyrene	28.0	140.0	133
Acenaphthe	5.2U	2.5	200
Dibenz(a,h)anthracene	5.2U	2.4	200

Compound	Concentration (ug/Kg)		RPD
	C032C391	C032C392	
Benzo(a)anthracene	1.9	5.7U	200
Benzo(a)pyrene	2.6	1.8	36
Benzo(b)fluoranthene	2.0	5.7U	200
Benzo(g,h,i)perylene	2.5	2.3	8
Chrysene	2.2	5.7U	200
Fluoranthene	3.3	5.7U	200
Indeno(1,2,3-cd)pyrene	1.5	5.7U	200
Phenanthrene	2.1	5.7U	200
Pyrene	4.9	2.7	58

Compound	Concentration (ug/Kg)		RPD
	C032CB53	C032CB54	
Acenaphthylene	2.8	2.4	15
Anthracene	1.9	6.0U	200
Benzo(a)anthracene	12.0	7.0	53
Benzo(a)pyrene	30.0	20.0	40
Benzo(b)fluoranthene	23.0	16.0	24
Benzo(g,h,i)perylene	25.0	19.0	27
Benzo(k)fluoranthene	14.0	9.4	39
Chrysene	14.0	8.8	46
Fluoranthene	23.0	12.0	63

Compound	Concentration (ug/Kg)		RPD
	C032CB53	C032CB54	
Indeno(1,2,3-cd)pyrene	15.0	12.0	22
Phenanthrene	7.8	4.1	61
Pyrene	49.0	30.0	48

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG 38451

SDG	Sample	Compound	Flag	A or P	Reason
38451	C032CC02	All TCL compounds	J (all detects) R (all non-detects)	A	Surrogate recovery (%R)
38451	C032CC02RE	All TCL compounds	None	P	Matrix spike/Matrix spike duplicates
38451	C032C423 C032C424 C032C425 C032C426 C032C427 C032C389 C032C390 C032C391 C032C392 C032CB50 C032CB51 C032CB52 C032CB53 C032CB54 C032CB99 C032CB00 C032CC01 C032CC02	2-Methylnaphthalene Anthracene Benzo(a)anthracene Benzo(g,h,i)perylene Chrysene Indeno(1,2,3-cd)pyrene Phenanthrene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)(RPD)
38451	C032C423 C032C424 C032C425 C032C426 C032C427 C032C389 C032C390 C032C391 C032C392 C032CB50 C032CB51 C032CB52 C032CB53 C032CB54 C032CB99 C032CB00 C032CC01 C032CC02	Fluoranthene Pyrene	J (all detects) R (all non-detects) J (all detects) R (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)(RPD)

SDG	Sample	Compound	Flag	A or P	Reason
38451	C032C423 C032C424 C032C425 C032C426 C032C427 C032C389 C032C390 C032C391 C032C392 C032CB50 C032CB51 C032CB52 C032CB53 C032CB54 C032CB99 C032CB00 C032CC01 C032CC02	2-Methylnaphthalene Naphthalene	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
38451	C032CC02	All TCL compounds	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG 38451

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG 38451

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 24, 2002

LDC Report Date: June 17, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: APPL, Inc.

Sample Delivery Group (SDG): 38461

Sample Identification

C032C661
C032C662
C032C663
C032C664
C032C664RE
C032C665
C032C666
C032C666RE
C032C667
C032C668
C032C669
C032CD26
C032CD27
C032CD28
C032CD28RE
C032CD29
C032CD30
C032CD30RE
C032CD22
C032CD23
C032CD23RE
C032CD24
C032CD24RE
C032CD25
C032CD25RE
C032C662MS
C032C662MSD

Introduction

This data review covers 27 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

In the case where %RSD was greater than 15.0%, the laboratory used a calibration curve to evaluate the compound. All coefficients of determination (r^2) were greater than or equal to 0.990 .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR18 (from SDG #38470) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR18	5/24/02	Phenanthrene Benzo(k)fluoranthene	0.019 ug/L 0.019 ug/L	All samples in SDG 38461

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for several samples. Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032C664RE C032C666RE C032CD23RE C032CD25RE	All TCL compounds	No MS/MSD associated with these samples.	MS/MSD required.	None	P

Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032CD28	Perylene-d12	398085 (462392-1849568)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A
C032CD30	Perylene-d12	448933 (462392-1849568)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A
C032CD23	Perylene-d12	262435 (462392-1849568)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A
C032CD24	Perylene-d12	337802 (462392-1849568)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A
C032CD25	Perylene-d12	372509 (462392-1849568)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A
C032CD28RE	Perylene-d12	400892 (449953-1799812)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A
C032CD30RE	Perylene-d12	446247 (449953-1799812)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032CD24RE	Perylene-d12	325852 (449953-1799812)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C664RE C032C666RE C032CD28RE C032CD30RE C032CD23 C032CD24 C032CD25RE	All TCL compounds	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C666 and C032C667, samples C032C666RE and C032C667, samples C032CD29 and C032CD30 and samples C032CD29 and C032CD30RE were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C666	C032C667	
Benzo(a)anthracene	2.7	25.0	161
Benzo(a)pyrene	3.7	27.0	152
Benzo(b)fluoranthene	3.3	25.0	153
Benzo(g,h,i)perylene	2.3	12.0	136
Indeno(1,2,3-cd)pyrene	3.3	26.0	155
Chrysene	3.4	29.0	158
Fluoranthene	3.4	31.0	160
Indeno(1,2,3-cd)pyrene	1.9	9.6	134
Phenanthrene	1.6	14.0	159
Pyrene	4.8	43.0	160
Anthracene	5.9U	2.1	200
Dibenz(a,h)anthracene	5.9U	4.2	200

Compound	Concentration (ug/Kg)		RPD
	C032C666RE	C032C667	
Benzo(a)anthracene	5.9U	25.0	200
Benzo(a)pyrene	2.6	27.0	165
Benzo(b)fluoranthene	2.3	25.0	166

Compound	Concentration (ug/Kg)		RPD
	C032C666RE	C032C667	
Benzo(g,h,i)perylene	2.3	12.0	136
Indeno(1,2,3-cd)pyrene	1.7	26.0	175
Chrysene	2.2	29.0	172
Fluoranthene	2.4	31.0	171
Indeno(1,2,3-cd)pyrene	1.6	9.6	143
Phenanthrene	5.9U	14.0	200
Pyrene	3.2	43.0	172
Anthracene	5.9U	2.1	200
Dibenz(a,h)anthracene	5.9U	4.2	200

Compound	Concentration (ug/Kg)		RPD
	C032CD29	C032CD30	
Benzo(a)anthracene	5.3	4.2	23
Benzo(a)pyrene	17.0	13.0	27
Benzo(b)fluoranthene	17.0	13.0	27
Benzo(g,h,i)perylene	12.0	10.0	18
Benzo(k)fluoranthene	7.8	6.3	21
Chrysene	7.8	6.0	26
Dibenz(a,h)anthracene	1.8	5.8U	200
Fluoranthene	9.6	7.8	21
Indeno(1,2,3-cd)pyrene	6.7	5.5	20

Compound	Concentration (ug/Kg)		RPD
	C032CD29	C032CD30	
Phenanthrene	2.7	2.1	25
Pyrene	33.0	32.0	3

Compound	Concentration (ug/Kg)		RPD
	C032CD29	C032CD30RE	
Benzo(a)anthracene	5.3	4.9	8
Benzo(a)pyrene	17.0	14.0	19
Benzo(b)fluoranthene	17.0	13.0	27
Benzo(g,h,i)perylene	12.0	12.0	0
Benzo(k)fluoranthene	7.8	9.4	19
Chrysene	7.8	6.4	20
Dibenz(a,h)anthracene	1.8	5.8U	200
Fluoranthene	9.6	10.0	4
Indeno(1,2,3-cd)pyrene	6.7	6.9	3
Phenanthrene	2.7	2.6	4
Pyrene	33.0	31.0	6
Anthracene	5.6U	1.9	200

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG 38461

SDG	Sample	Compound	Flag	A or P	Reason
38461	C032C664RE C032C666RE C032CD23RE C032CD25RE	All TCL compounds	None	P	Matrix spike/Matrix spike duplicates
38461	C032CD28 C032CD30 C032CD23 C032CD24 C032CD25 C032CD28RE C032CD30RE C032CD24RE	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
38461	C032C664RE C032C666RE C032CD28RE C032CD30RE C032CD23 C032CD24 C032CD25RE	All TCL compounds	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG 38461

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG 38461

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 20 through May 24, 2002

LDC Report Date: June 13, 2002

Matrix: Water

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: APPL, Inc.

Sample Delivery Group (SDG): 38470

Sample Identification

C032CR011
C032CR12
C032CR13
C032CR16
C032CR15
C032CR17
C032CR14
C032CR18

Introduction

This data review covers 8 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Extraction Date	Compound TIC (RT in minutes)	Concentration	Associated Samples
020524ABLK	5/24/02	Anthracene Benzo(g,h,i)perylene Fluoranthene Phenanthrene Pyrene	0.062 ug/L 0.02 ug/L 0.045 ug/L 0.041 ug/L 0.038 ug/L	All samples in SDG 38461

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Compound TIC (RT in minutes)	Reported Concentration	Modified Final Concentration
C032CR18	Phenanthrene	0.019 ug/L	0.25U ug/L

Sample C032CR011, C032CR12, C032CR13, C032CR16, C032CR15, C032CR17, C032CR14 and C032CR18 were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR18	5/24/02	Phenanthrene Benzo(k)fluoranthene	0.019 ug/L 0.019 ug/L	No associated samples in this SDG

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG 38470

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG 38470

SDG	Sample	Compound TIC (RT in minutes)	Modified Final Concentration	A or P
38470	C032CR18	Phenanthrene	0.25U ug/L	A

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG 38470

No Sample Data Qualified in this SDG

LDC Report# 8589V2

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 28, 2002

LDC Report Date: June 13, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: APPL, Inc.

Sample Delivery Group (SDG): 38473

Sample Identification

C032CC43
C032CC44
C032CC45
C032CC46
C032CD44
C032CD45
C032CD46
C032CD47
C032CD47DL
C032CD47RE
C032C733
C032C734
C032C735
C032C740
C032C719
C032C719DL
C032C720
C032C721
C032C736
C032C737
C032C738
C032C739
C032C732
C032C740MS
C032C740MSD

Introduction

This data review covers 25 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits with the following exceptions:

Sample	Surrogate	%R (Limits)	Compound	Flag	A or P
C032CD47	2-Fluorobiphenyl Nitrobenzene-d5 Terphenyl-d14	41.6 (54-125) 35.7 (49-121) 44.4 (57-126)	All TCL compounds	J (all detects) UJ (all non-detects)	A
C032CD47RE	2-Fluorobiphenyl Nitrobenzene-d5 Terphenyl-d14	51.6 (54-125) 41.0 (49-121) 52.9 (57-126)	All TCL compounds	J (all detects) UJ (all non-detects)	A

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032CD47RE	All TCL compounds	No MS/MSD associated with these samples.	MS/MSD required.	None	P

Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032CD47	Phenanthrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032CD47	Phenanthrene	R	A
C032CD47RE C032C719DL	All TCL compounds	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C735 and C032C740 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C735	C032C740	
Benzo(a)anthracene	3.5	4.3	20
Benzo(a)pyrene	7.9	9.4	17
Benzo(b)fluoranthene	5.8	6.6	13
Benzo(g,h,i)perylene	8.6	9.4	9
Benzo(k)fluoranthene	4.3	4.9	13
Chrysene	4.0	4.9	20
Fluoranthene	8.8	10.0	13
Indeno(1,2,3-cd)pyrene	5.5	6.0	9
Phenanthrene	2.6	3.9	40
Pyrene	14.0	16.0	13

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG 38473

SDG	Sample	Compound	Flag	A or P	Reason
38473	C032CD47 C032CD47RE	All TCL compounds	J (all detects) UJ (all non-detects)	A	Surrogate recovery (%R)
38473	C032CD47RE	All TCL compounds	None	P	Matrix spike/Matrix spike duplicates
38473	C032CD47	Phenanthrene	J (all detects)	A	Compound quantitation and CRQLs
38473	C032CD47	Phenanthrene	R	A	Overall assessment of data
38473	C032CD47RE C032C719DL	All TCL compounds	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG 38473

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG 38473

No Sample Data Qualified in this SDG

LABORATORY DATA CONSULTANTS, INC.
7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: 760/634-0439

Bechtel Environmental
1230 Columbia Street, Suite 400
San Diego, CA 92101
Attn: Mr. James Jordan

June 24, 2002

Project Name : NAS Alameda Point
Project # : CTO 032

On June 19, 2002 the following data packages were received by Laboratory Data Consultants, Inc. from Bechtel Environmental. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 8638:

SDG #	Fraction
K2203434, K2203435, K2203471, K2203472, K2203504 K2203505, K2203553, K2203554, G2E150192, G2E160199, G2E240204, 38521, 38509 38488 38498	Polynuclear Aromatic Hydrocarbons

The above SDGs were reviewed using Level III and Level IV guidelines. The analyses were validated using the following documents, as applicable to each method:

- NFESC Special Publication SP-2056-ENV, Navy Installation Restoration Chemical Data Quality Manual, Naval Facilities Engineering Command, September 1999
- USEPA, Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996

The data validators did utilize their professional judgement when evaluating the data to achieve the most complete and accurate assessment of the data. The data packages were reviewed according to the above stated validation procedures.

For GC/MS polynuclear aromatic hydrocarbon analyses, the primary findings consisted of:

a) Continuing calibration factors exceeded acceptance criteria in SDGs G2E160199 and G2E150192. Since the laboratory met the protocol requirement, this finding should be considered advisory.

b) Matrix spike/matrix spike duplicate sample analyses were not performed for all batches in SDGs G2E150192, 38498, 38488 and 38521.

c) Matrix spike/matrix spike duplicate percent recoveries and relative percent differences exceeded acceptance criteria for several compounds in SDGs 38521, K2203471 and K2203504, benzo(K)fluoranthene and benzo(a)pyrene in SDG 38498, benzo(k) fluoranthene in SDG 38509 and dibenz(a,h)anthracene, 2-methylnaphthalene and acenaphthene in SDG G2E160199. The associated nondetect results for benzo(a)pyrene in SDG 38498, 2-methylnaphthalene and acenaphthene in SDG G2E160199. and benzo(g,h,i)perylene, fluoranthene, phenanthrene and pyrene in SDG 38521 were qualified as unusable. Since the laboratory met the protocol requirement, this finding should be considered advisory.

d) Surrogate percent recoveries exceeded acceptance criteria for sample C032C607 in SDG 38488, sample C032C741 in SDG 38521 and sample C032CC32 in SDG K2203472. The associated nondetect results for sample C032C741 in SDG 38521 and C032CC32 in SDG K2203472 were qualified as unusable. Since the laboratory met the protocol requirement, this finding should be considered advisory.

e) Internal standard areas exceeded acceptance criteria for sample C032C605 in SDG 38488, sample C032CA66DL in SDG G2E160199 and C032C928 in SDG G2E150192. Since the laboratory met the protocol requirement, this finding should be considered advisory.

f) Internal standard areas exceeded acceptance criteria for several samples in SDGs G2E240204, G2E160199 and G2E150192.

g) 2-Methylnaphthalene in SDG 38488, pyrene in SDG 38509, pyrene and fluoranthene in SDGs G2E150192, K2203505 and K2203455, phenanthrene and chrysene in SDGs K2203553, fluoranthene and pyrene in SDG K2203435 and several compounds in SDGs K2203472 and G2E160199 were reported above the calibration range. Since the laboratory met the protocol requirement, this finding should be considered advisory.

h) Data was qualified as unusable in dilutions by the validators in order to yield only one complete set of data for a given sample and eliminate redundant data.

i) 2-Methylnaphthalene was detected in the method blanks. Since the laboratory met the protocol requirement, this finding should be considered advisory.

In general, the data for all analyses appear usable with the limitations noted in the Data Validation Reports. Data validation flags were noted on the Laboratory Form 1s and included with each validation report.

Sincerely,

Richard M. Amano
President/Principal Chemist

R1 (Added N & O)

LDC #8638 (Bechtel Environmental-San Diego / Alameda Point, CTO 32)

LDC	SDG#	DATE REC'D	DATE DUE	PAHs (8270-SIM)																													
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	K2203434	6-19-02	6-26-02	0	20																												
B	K2203435	6-19-02	6-26-02	0	23																												
C	K2203471	6-19-02	6-26-02	0	18																												
D	K2203472	6-19-02	6-26-02	0	23																												
E	K2203504	6-19-02	6-26-02	0	16																												
F	K2203505	6-19-02	6-26-02	0	17																												
G	K2203553	6-19-02	6-26-02	0	17																												
H	K2203554	6-19-02	6-26-02	0	13																												
I	G2E150192	6-19-02	6-26-02	0	28																												
J	G2E160199	6-19-02	6-26-02	0	22																												
K	G2E240204	6-19-02	6-26-02	0	17																												
L	38521	6-19-02	6-26-02	1	14																												
M	38509	6-19-02	6-26-02	0	21																												
N	38488	6-19-02	6-26-02	0	23																												
O	38498	6-19-02	6-26-02	0	22																												
Total	B			1	294	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Shaded cells indicate Level IV validation (all other cells are Level III validation)

NAS Alameda Point, CTO 32
Data Validation Reports
LDC# 8638

Polynuclear Aromatic Hydrocarbons

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 28, 2002

LDC Report Date: June 19, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203434

Sample Identification

C032C617
C032C618
C032C619
C032C620
C032C639
C032C640
C032C641
C032C642
C032C648
C032C649
C032C650
C032C651
C032C626
C032C627
C032C628
C032C629
C032CD51
C032CD52
C032CD51MS
C032CD51MSD

Introduction

This data review covers 20 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203434

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203434

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203434

No Sample Data Qualified in this SDG

LDC Report# 8638B2

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 28, 2002

LDC Report Date: June 19, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203435

Sample Identification

C032C710
C032C711
C032C712
C032C713
C032C723
C032C724
C032C725
C032C726
C032CB68
C032CB69
C032CB70
C032CB71
C032CC95
C032CC96
C032CC97
C032CC98
C032CC99
C032CD48
C032CD48DL
C032CD49
C032CD50
C032CD50MS
C032CD50MSD

Introduction

This data review covers 23 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032CD48	Fluoranthene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032CD48	Fluoranthene Pyrene	R R	A
C032CD48DL	All TCL compounds except Fluoranthene Pyrene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032CC96 and C032CC97 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032CC96	C032CC97	
Phenanthrene	3.9	10	88
Fluoranthene	7.1	13	59
Pyrene	8.7	13	40
Benzo(a)anthracene	4.7	6.6	34
Chrysene	5.2	7.6	38
Benzo(b)fluoranthene	3.6	4.8	29
Benzo(k)fluoranthene	3.6	5.3	38

Compound	Concentration (ug/Kg)		RPD
	C032CC96	C032CC97	
Benzo(a)pyrene	5.1	5.9	14
Indeno(1,2,3-cd)pyrene	3.6	3.9	8
Benzo(g,h,i)perylene	4.5	4.3	4

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203435

SDG	Sample	Compound	Flag	A or P	Reason
K2203435	C032CD48	Fluoranthene Pyrene	J (all detects) J (all detects)	A	Compound quantitation and CRQLs
K2203435	C032CD48	Fluoranthene Pyrene	R R	A	Overall assessment of data
K2203435	C032CD48DL	All TCL compounds except Fluoranthene Pyrene	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203435

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203435

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 29, 2002

LDC Report Date: June 19, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203471

Sample Identification

C032C546
C032C547
C032C548
C032C549
C032C550
C032C538
C032C539
C032C540
C032C541
C032C551
C032C552
C032C553
C032C498
C032C499
C032C500
C032C501
C032C550MS
C032C550MSD

Introduction

This data review covers 18 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C550MS/MSD (All samples in SDG K2203471)	Phenanthrene Fluoranthene Benzo(a)anthracene Chrysene	403 (10-192) 373 (28-166) 171 (64-145) 192 (54-128)	- - - -	118 (≤40) 67 (≤40) 41 (≤40) 41 (≤40)	J (all detects) UJ (all non-detects)	A
C032C550MS/MSD (All samples in SDG K2203471)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	170 (64-138) 154 (62-130) 191 (57-149) 158 (52-156) 143 (40-127)	- - - - -	- - - - -	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C547 and C032C548 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C547	C032C548	
Naphthalene	6.7	6.0	11
2-Methylnaphthalene	7.6	6.9	10
Acenaphthylene	2.0	1.7	16
Acenaphthene	1.5	5.3U	200
Fluorene	1.9	1.8	5
Phenanthrene	21	24	13
Anthracene	5.1	5.3	4
Fluoranthene	33	33	0
Pyrene	40	37	8
Benzo(a)anthracene	22	20	10
Chrysene	40	35	13
Benzo(b)fluoranthene	35	30	15
Benzo(k)fluoranthene	21	18	15

Compound	Concentration (ug/Kg)		RPD
	C032C547	C032C548	
Benzo(a)pyrene	33	28	16
Indeno(1,2,3-cd)pyrene	31	27	14
Dibenz(a,h)anthracene	8.6	7.1	19
Benzo(g,h,i)perylene	41	35	16

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203471

SDG	Sample	Compound	Flag	A or P	Reason
K2203471	C032C546 C032C547 C032C548 C032C549 C032C550 C032C538 C032C539 C032C540 C032C541 C032C551 C032C552 C032C553 C032C498 C032C499 C032C500 C032C501	Phenanthrene Fluoranthene Benzo(a)anthracene Chrysene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)(RPD)
K2203471	C032C546 C032C547 C032C548 C032C549 C032C550 C032C538 C032C539 C032C540 C032C541 C032C551 C032C552 C032C553 C032C498 C032C499 C032C500 C032C501	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Matrix spike/Matrix spike duplicates (%R)

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203471

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203471

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 29, 2002

LDC Report Date: June 19, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203472

Sample Identification

C032CD13	C032C603MS
C032CD14	C032C603MSD
C032CD15	C032CD14DL
C032CD16	
C032CC29	
C032CC30	
C032CC31	
C032CC32	
C032CC32DL	
C032CC33	
C032CC33DL	
C032C591	
C032C592	
C032C593	
C032C594	
C032C599	
C032C600	
C032C601	
C032C602	
C032C603	

Introduction

This data review covers 23 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits with the following exceptions:

Sample	Surrogate	%R (Limits)	Compound	Flag	A or P
C032CC32	Fluoranthene-d10	4 (55-130)	All TCL compounds	J (all detects) R (all non-detects)	A

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032CD14	Fluoranthene Pyrene Chrysene Benzo(b)fluoranthene Benzo(a)pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A

Sample	Compound	Finding	Criteria	Flag	A or P
C032CC32	All TCL compounds except Dibenz(a,h)anthracene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	A
C032CC33	Phenanthrene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032CD14	Fluoranthene Pyrene Chrysene Benzo(b)fluoranthene Benzo(a)pyrene	R R R R R	A
C032CD14DL	All TCL compounds except Fluoranthene Pyrene Chrysene Benzo(b)fluoranthene Benzo(a)pyrene	R	A
C032CC32	All TCL compounds	R	A

Sample	Compound	Flag	A or P
C032CC33	Phenanthrene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	R R R R R R R R R	A
C032CC33DL	All TCL compounds except Phenanthrene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032CC30 and C032CC31 and samples C032C600 and C032C601 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032CC30	C032CC31	
Acenaphthylene	2.4	5.9U	200
Phenanthrene	8.9	5.8	42
Anthracene	2.2	5.9U	200
Fluoranthene	29	18	47
Pyrene	42	26	47
Benzo(a)anthracene	14	8.6	48
Chrysene	15	9.4	46
Benzo(b)fluoranthene	22	10	75

Compound	Concentration (ug/Kg)		RPD
	C032CC30	C032CC31	
Benzo(k)fluoranthene	6.8	3.6	61
Benzo(a)pyrene	21	14	40
Indeno(1,2,3-cd)pyrene	17	11	43
Benzo(g,h,i)perylene	19	12	45

Compound	Concentration (ug/Kg)		RPD
	C032C600	C032C601	
Phenanthrene	3.1	11	112
Fluoranthene	6.0	3.9	42
Pyrene	6.8	8.3	20
Benzo(a)anthracene	8.7	5.8	40
Chrysene	13	22	51
Benzo(b)fluoranthene	12	4.9	84
Benzo(k)fluoranthene	11	5.5U	200
Benzo(a)pyrene	15	2.9	135
Indeno(1,2,3-cd)pyrene	11	1.7	146
Dibenz(a,h)anthracene	3.8	2.7	34
Benzo(g,h,i)perylene	20	15	29
2-Methylnaphthalene	5.5U	3.0	200

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203472

SDG	Sample	Compound	Flag	A or P	Reason
K2203472	C032CC32	All TCL compounds	J (all detects) R (all non-detects)	A	Surrogate recovery (%R)
K2203472	C032CD14	Fluoranthene Pyrene Chrysene Benzo(b)fluoranthene Benzo(a)pyrene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Compound quantitation and CRQLs
K2203472	C032CC32	All TCL compounds except Dibenz(a,h)anthracene	J (all detects)	A	Compound quantitation and CRQLs
K2203472	C032CC33	Phenanthrene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Compound quantitation and CRQLs
K2203472	C032CD14	Fluoranthene Pyrene Chrysene Benzo(b)fluoranthene Benzo(a)pyrene	R R R R R	A	Overall assessment of data
K2203472	C032CD14DL	All TCL compounds except Fluoranthene Pyrene Chrysene Benzo(b)fluoranthene Benzo(a)pyrene	R	A	Overall assessment of data
K2203472	C032CC32	All TCL compounds	R	A	Overall assessment of data
K2203472	C032CC33	Phenanthrene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	R R R R R R R R R	A	Overall assessment of data

SDG	Sample	Compound	Flag	A or P	Reason
K2203472	C032CC33DL	All TCL compounds except Phenanthrene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203472

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203472

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 30, 2002

LDC Report Date: June 19, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level IV

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203504

Sample Identification

C032C502
C032C503
C032C504
C032C505
C032C506
C032C507
C032C508
C032C509
C032C510
C032C524
C032C525
C032C526
C032C527
C032CC28
C032CC28MS
C032CC28MSD

Introduction

This data review covers 16 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032CC28MS\MSD (All samples in SDG K2203504)	Phenanthrene	-	-	58 (≤40)	J (all detects) UJ (all non-detects)	A
	Fluoranthene	-	219 (28-166)	90 (≤40)		
	Pyrene	-	194 (28-162)	77 (≤40)		
	Benzo(a)anthracene	-	175 (64-145)	65 (≤40)		
	Chrysene	-	167 (54-128)	69 (≤40)		
	Benzo(b)fluoranthene	-	186 (64-138)	67 (≤40)		
	Benzo(k)fluoranthene	-	135 (65-130)	45 (≤40)		
	Benzo(a)pyrene	-	189 (57-149)	67 (≤40)		
	Indeno(1,2,3-cd)pyrene	-	-	54 (≤40)		
	Benzo(g,h,i)perylene	-	-	46 (≤40)		

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

All target compound identifications were within validation criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was acceptable.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C507 and C032C508 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C507	C032C508	
Phenanthrene	1.8	6.2U	200
Fluoranthene	4.1	3.2	25
Pyrene	5.2	4.2	21
Benzo(a)anthracene	1.6	6.2U	200
Chrysene	4.0	2.5	46
Benzo(b)fluoranthene	3.6	2.6	32
Benzo(k)fluoranthene	2.2	6.2U	200
Benzo(a)pyrene	3.6	2.5	36
Indeno(1,2,3-cd)pyrene	3.9	3.0	26
Dibenz(a,h)anthracene	1.8	6.2U	200
Benzo(g,h,i)perylene	13	8.9	37

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203504

SDG	Sample	Compound	Flag	A or P	Reason
K2203504	C032C502 C032C503 C032C504 C032C505 C032C506 C032C507 C032C508 C032C509 C032C510 C032C524 C032C525 C032C526 C032C527 C032CC28	Phenanthrene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)(RPD)

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203504

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203504

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 30, 2002

LDC Report Date: June 19, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203505

Sample Identification

C032C560
C032C561
C032C562
C032C573
C032C574
C032C575
C032C576
C032CD09
C032CD10
C032CD11
C032CD11DL
C032CD12
C032CC25
C032CC26
C032CC27
C032CC27MS
C032CC27MSD

Introduction

This data review covers 17 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032CD11	Fluoranthene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032CD11	Fluoranthene Pyrene	R R	A
C032CD11DL	All TCL compounds except Fluoranthene Pyrene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203505

SDG	Sample	Compound	Flag	A or P	Reason
K2203505	C032CD11	Fluoranthene Pyrene	J (all detects) J (all detects)	A	Compound quantitation and CRQLs
K2203505	C032CD11	Fluoranthene Pyrene	R R	A	Overall assessment of data
K2203505	C032CD11DL	All TCL compounds except Fluoranthene Pyrene	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203505

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203505

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 31, 2002

LDC Report Date: June 19, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203553

Sample Identification

C032C533
C032C533DL
C032C534
C032C535
C032C536
C032C537
C032CD39
C032CD40
C032CD41
C032CD42
C032CD43
C032CC47
C032CC48
C032CC49
C032CC50
C032CC50MS
C032CC50MSD

Introduction

This data review covers 17 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032C533	Phenanthrene Chrysene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C533	Phenanthrene Chrysene	R R	A
C032C533DL	All TCL compounds except Phenanthrene Chrysene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C536 and C032C537 and samples C032CD41 and C032CD42 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C536	C032C537	
Phenanthrene	2.4	1.8	29
Pyrene	2.3	5.6U	200
Chrysene	3.0	5.6U	200
Indeno(1,2,3-cd)pyrene	0.74	5.6U	200

Compound	Concentration (ug/Kg)		RPD
	C032CD41	C032CD42	
Fluoranthene	1.8	1.5	18
Pyrene	2.9	2.2	27

Compound	Concentration (ug/Kg)		RPD
	C032CD41	C032CD42	
Benzo(a)anthracene	1.6	5.3U	200
Chrysene	3.7	3.2	14
Benzo(b)fluoranthene	2.1	1.8	15
Indeno(1,2,3-cd)pyrene	1.6	1.3	21
Benzo(g,h,i)perylene	2.3	2.4	4

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203553

SDG	Sample	Compound	Flag	A or P	Reason
K2203553	C032C533	Phenanthrene Chrysene	J (all detects) J (all detects)	A	Compound quantitation and CRQLs
K2203553	C032C533	Phenanthrene Chrysene	R R	A	Overall assessment of data
K2203553	C032C533DL	All TCL compounds except Phenanthrene Chrysene	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203553

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203553

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 31, 2002

LDC Report Date: June 19, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K2203554

Sample Identification

C032CC12
C032CC13
C032CC14
C032CC15
C032CC16
C032CC17
C032CC18
C032CC19
C032CC20
C032CC60
C032CC61
C032CC61MS
C032CC61MSD

Introduction

This data review covers 13 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032CC19 and C032CC20 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032CC19	C032CC20	
Naphthalene	10	7.1	34
Acenaphthylene	21	19	10
Acenaphthene	5.7	4.2	30
Fluorene	5.7	6.3	10
Phenanthrene	140	150	7
Anthracene	29	29	0
Fluoranthene	450	350	25
Pyrene	530	420	23
Benzo(a)anthracene	180	150	18
Chrysene	220	170	26
Benzo(b)fluoranthene	310	240	25
Benzo(k)fluoranthene	92	69	29
Benzo(a)pyrene	290	230	23
Indeno(1,2,3-cd)pyrene	320	240	29
Dibenz(a,h)anthracene	32	24	29
Benzo(g,h,i)perylene	300	230	26

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG K2203554

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG K2203554

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG K2203554

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 14, 2002

LDC Report Date: June 24, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E150192

Sample Identification

C032C943	C032CA31
C032C944	C032CA32
C032C945	C032CA33
C032C946	C032CA34
C032C947	C032CA34DL
C032C987	C032CA35
C032C988	C032C945MS
C032C989	C032C945MSD
C032C990	
C032C990DL	
C032C991	
C032C935	
C032C936	
C032C937	
C032C938	
C032C926	
C032C927	
C032C928	
C032C928DL	
C032C929	

Introduction

This data review covers 28 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
5/21/02	Phenanthrene	27.3	C032C929 C032CA32	J (all detects) UJ (all non-detects)	A

Date	Compound	%D	Associated Samples	Flag	A or P
5/17/02	Benzo(g,h,i)perylene	25.1	C032C944 C032C945 C032C946 C032CA33 C032C945MS C032C945MSD	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR06 (from SDG #K2202671) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR06	5/14/02	Naphthalene 2-Methylnaphthalene Chrysene	0.0074 ug/L 0.0031 ug/L 0.0015 ug/L	All samples in SDG G2E150192

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for several samples. Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032C943 C032C944 C032C945 C032C946 C032C947 C032C987 C032C988 C032C989 C032C990 C032C990DL C032C991 C032C935 C032C936 C032C937 C032C938 C032C926 C032C927 C032C928 C032C928DL C032C929 C032CA31 C032CA32	All TCL compounds	More than twenty samples associated to a matrix spike sample.	No more than twenty samples to be associated to a matrix spike sample.	None	P

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C928	Chrysene-d12 Perylene-d12	424632 (76084-304338) 407260 (66364-265458)	Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032CA31	Chrysene-d12 Perylene-d12	322266 (76084-304338) 288399 (66364-265458)	Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	P
C032CA33	Phenanthrene-d10	134296 (135474-541896)	Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) UJ (all non-detects)	P

Several problems related to the initial calibration and continuing calibration internal standards were identified.

Sample	Finding	Associated Compound	Flag	A or P
C032CA34DL	1.) Area counts of all internal standards, surrogates and target compounds in the midpoint standard were >2x the area counts in the other initial calibration standards analyzed 5/21/02.	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032CA34DL	2.) Area counts of all internal standards, surrogates and target compounds in the continuing calibration were >2x the area counts in the initial calibration standards analyzed 5/21/02 except the midpoint standard.	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032CA34DL	3.) Area counts of all internal standards of the continuing calibration were >2x the area counts in all samples and method blanks as applicable.	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032CA34DL	4.) The 100 ng/mL standard of the initial calibration was analyzed after the samples.	All TCL compounds	J (all detects) UJ (all non-detects)	P

The laboratory indicated that the area counts were extremely high for all internal standards, surrogates and target compounds in the midpoint standard of the initial calibration and continuing calibration standards because the standard solution used to prepare these standards has concentrated.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032C990 C032CA34	Fluoranthene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects)	A
C032C928	Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C990 C032CA34	Fluoranthene Pyrene	R R	A
C032C990DL C032CA34DL	All TCL compounds except Fluoranthene Pyrene	R	A
C032C928	Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R R R R R R R R R	A

Sample	Compound	Flag	A or P
C032C928DL	All TCL compounds except Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C944 and C032C945, samples C032C988 and C032C989 and samples C032CA32 and C032CA33 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C944	C032C945	
Acenaphthylene	44	52U	200
Anthracene	130	52U	200
Benzo(a)anthracene	260	7.4	151
Benzo(b)fluoranthene	200	15	172
Benzo(k)fluoranthene	260	10	185
Benzo(g,h,i)perylene	180	26	150
Benzo(a)pyrene	310	12	185
Chrysene	320	13	184
Dibenz(a,h)anthracene	34	52U	200
Fluoranthene	760	18	91
Fluorene	29	52U	200

Compound	Concentration (ug/Kg)		RPD
	C032C944	C032C945	
Indeno(1,2,3-cd)pyrene	190	21	160
2-Methylnaphthalene	4.7	52U	200
Naphthalene	6.8	52U	200
Phenanthrene	590	12	192
Pyrene	1000	23	191

Compound	Concentration (ug/Kg)		RPD
	C032CA32	C032CA33	
Anthracene	2.7	53U	200
Benzo(a)anthracene	17	15	12
Benzo(b)fluoranthene	23	19	19
Benzo(k)fluoranthene	27	20	30
Benzo(g,h,i)perylene	26	21	21
Benzo(a)pyrene	31	21	38
Chrysene	23	22	4
Fluoranthene	31	31	0
Indeno(1,2,3-cd)pyrene	17	17	0
Phenanthrene	6.2	7.0	12
Pyrene	36	34	6
Dibenz(a,h)anthracene	27U	5.2	200
Naphthalene	27U	3.8	200

Compound	Concentration (ug/Kg)		RPD
	C032C988	C032C989	
Acenaphthene	7.0	5.2U	200
Acenaphthylene	2.9	1.8	47
Anthracene	3.8	1.4	92
Benzo(a)anthracene	20	11	58
Benzo(b)fluoranthene	27	17	45
Benzo(k)fluoranthene	25	18	33
Benzo(g,h,i)perylene	33	21	44
Benzo(a)pyrene	34	22	43
Chrysene	22	15	38
Dibenz(a,h)anthracene	5.1	3.5	37
Fluoranthene	65	22	49
Fluorene	1.9	5.2U	200
Indeno(1,2,3-cd)pyrene	32	20	46
2-Methylnaphthalene	1.4	1.1	24
Naphthalene	5.1	1.7	100
Phenanthrene	51	9.0	140
Pyrene	76	28	92

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E150192

SDG	Sample	Compound	Flag	A or P	Reason
G2E150192	C032C929 C032CA32	Phenanthrene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E150192	C032C944 C032C945 C032C946 C032CA33	Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E150192	C032C943 C032C944 C032C945 C032C946 C032C947 C032C987 C032C988 C032C989 C032C990 C032C990DL C032C991 C032C935 C032C936 C032C937 C032C938 C032C926 C032C927 C032C928 C032C928DL C032C929 C032CA31 C032CA32	All TCL compounds	None	P	Matrix spike/Matrix spike duplicates
G2E150192	C032C928	Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Internal standards (area)
G2E150192	C032CA31	Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	P	Internal standards (area)
G2E150192	C032CA33	Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) UJ (all non-detects)	P	Internal standards (area)

SDG	Sample	Compound	Flag	A or P	Reason
G2E150192	C032C990 C032CA34	Fluoranthene Pyrene	J (all detects) J (all detects)	A	Compound quantitation and CRQLs
G2E150192	C032C928	Pyrene	J (all detects)	A	Compound quantitation and CRQLs
G2E150192	C032C990 C032CA34	Fluoranthene Pyrene	R R	A	Overall assessment of data
G2E150192	032C990DL C032CA34DL	All TCL compounds except Fluoranthene Pyrene	R	A	Overall assessment of data
G2E150192	C032C928	Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R R R R R R R R R	A	Overall assessment of data
G2E150192	C032C928DL	All TCL compounds except Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E150192

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E150192

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 15, 2002

LDC Report Date: June 24, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E160199

Sample Identification

C032C970
C032C971
C032C972
C032C973
C032C973DL
C032CA14
C032CA15
C032CA16
C032CA17
C032CA79
C032CA79DL1
C032CA79DL2
C032CA62
C032CA63
C032CA64
C032CA65
C032CA66
C032CA66DL
C032C972MS
C032C972MSD
C032CA79MS
C032CA79MSD

Introduction

This data review covers 22 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
5/17/02 (S1SK103)	Benzo(b)fluoranthene	25.2	C032CA79 C032CA79MS C032CA79MSD 2136469MB	J (all detects) UJ (all non-detects)	A

Date	Compound	%D	Associated Samples	Flag	A or P
5/17/02 (S3SK105)	Naphthalene	29.9	C032C970 C032C971 C032C972 C032C973 C032CA14 C032CA15 C032CA16 C032CA17 C032C972MS C032C972MSD 2136474MB	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Extraction Date	Compound TIC (RT in minutes)	Concentration	Associated Samples
2136469MB	5/16/02	2-Methylnaphthalene	0.33 ug/Kg	C032CA79 C032CA79DL1 C032CA79DL2

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Compound TIC (RT in minutes)	Reported Concentration	Modified Final Concentration
C032CA79DL2	2-Methylnaphthalene (50x)	75 ug/Kg	290U ug/Kg

Sample C032CR08 (from SDG #K2203084) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR08	5/15/02	Naphthalene Phenanthrene Fluoranthene Chrysene	0.0070 ug/L 0.0034 ug/L 0.0033 ug/L 0.0019 ug/L	All samples in SDG G2E160199

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for several samples. Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032CA79MS/MSD (C032CA79 C032CA79DL1 C032CA79DL2)	2-Methylnaphthalene Acenaphthene	0 (30-150) 0 (30-150)	0 (30-150) 0 (30-150)	- -	J (all detects) R (all non-detects) J (all detects) R (all non-detects)	A
C032C972MS/MSD (C032C970 C032C971 C032C972 C032C973 C032C973DL C032CA14 C032CA15 C032CA16 C032CA17 C032CA62 C032CA63 C032CA64 C032CA65 C032CA66 C032CA66DL)	Dibenz(a,h)anthracene	154 (30-150)	-	-	J (all detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032CA63	Perylene-d12	272617 (66364-265458)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	P
C032CA66DL	Chrysene-d12	392215 (93646-374582)	Benzo(a)anthracene Chrysene	J (all detects) J (all detects)	A

Several problems related to the initial calibration and continuing calibration internal standards were identified.

Sample	Finding	Associated Compound	Flag	A or P
C032C973DL C032CA79DL1 C032CA62 C032CA64	1.) Area counts of all internal standards, surrogates and target compounds in the midpoint standard were >2x the area counts in the other initial calibration standards analyzed 5/21/02.	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032C973DL C032CA79DL1 C032CA62 C032CA64	2.) Area counts of all internal standards, surrogates and target compounds in the continuing calibration were >2x the area counts in the initial calibration standards analyzed 5/21/02 except the midpoint standard.	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032C973DL C032CA79DL1 C032CA62 C032CA64	3.) Area counts of all internal standards of the continuing calibration were >2x the area counts in all samples and method blanks as applicable.	All TCL compounds	J (all detects) UJ (all non-detects)	P

Sample	Finding	Associated Compound	Flag	A or P
C032C973DL C032CA79DL1 C032CA62 C032CA64	4.) The 100 ng/mL standard of the initial calibration was analyzed after the samples.	All TCL compounds	J (all detects) UJ (all non-detects)	P

The laboratory indicated that the area counts were extremely high for all internal standards, surrogates and target compounds in the midpoint standard of the initial calibration and continuing calibration standards because the standard solution used to prepare these standards has concentrated.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032C973	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Chrysene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A
C032CA79	All TCL compounds except Acenaphthene 2-Methylnaphthalene Naphthalene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	A
C032CA79DL1	Fluoranthene Phenanthrene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects)	A
C032CA66	Phenanthrene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C973	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Chrysene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	R R R R R R R R	A
C032C973DL	All TCL compounds except Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Chrysene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	R	A
C032CA79	All TCL compounds except Acenaphthene 2-Methylnaphthalene Naphthalene	R	A
C032CA79DL1	Acenaphthene 2-Methylnaphthalene Naphthalene Fluoranthene Phenanthrene Pyrene	R R R R R R	A
C032CA79DL2	All TCL compounds except Fluoranthene Phenanthrene Pyrene	R	A
C032CA66	Fluoranthene Pyrene	R R	A

Sample	Compound	Flag	A or P
C032CA66DL	All TCL compounds except Fluoranthene Pyrene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032CA65 and C032CA66 and samples C032CA65 and C032CA66DL were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032CA65	C032CA66	
Acenaphthene	5.7U	15	200
Acenaphthylene	2.8	13	129
Anthracene	2.1	20	152
Benzo(a)anthracene	17	120	150
Benzo(b)fluoranthene	20	120	143
Benzo(k)fluoranthene	20	120	143
Benzo(g,h,i)perylene	38	180	130
Benzo(a)pyrene	30	180	143
Chrysene	19	130	149
Dibenz(a,h)anthracene	4.1	22	137
Fluoranthene	47	360	154
Fluorene	5.7U	3.8	200
Indeno(1,2,3-cd)pyrene	40	200	133

Compound	Concentration (ug/Kg)		RPD
	C032CA65	C032CA66	
2-Methylnaphthalene	5.7U	0.93	200
Naphthalene	1.1	6.0	138
Phenanthrene	17	200	169
Pyrene	59	430	152

Compound	Concentration (ug/Kg)		RPD
	C032CA65	C032CA66DL	
Acenaphthene	5.7U	12	200
Acenaphthylene	2.8	11	119
Anthracene	2.1	16	154
Benzo(a)anthracene	17	93	138
Benzo(b)fluoranthene	20	100	133
Benzo(k)fluoranthene	20	88	126
Benzo(g,h,i)perylene	38	140	115
Benzo(a)pyrene	30	140	129
Chrysene	19	100	136
Dibenz(a,h)anthracene	4.1	19	129
Fluoranthene	47	310	147
Fluorene	5.7U	4.2	200
Indeno(1,2,3-cd)pyrene	40	160	120
2-Methylnaphthalene	5.7U	1.1	200

Compound	Concentration (ug/Kg)		RPD
	C032CA65	C032CA66DL	
Naphthalene	1.1	4.6	123
Phenanthrene	17	150	159
Pyrene	59	380	146

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E160199

SDG	Sample	Compound	Flag	A or P	Reason
G2E160199	C032CA79	Benzo(b)fluoranthene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E160199	C032C970 C032C971 C032C972 C032C973 C032CA14 C032CA15 C032CA16 C032CA17	Naphthalene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E160199	C032CA79 C032CA79DL1 C032CA79DL2	2-Methylnaphthalene Acenaphthene	J (all detects) R (all non-detects) J (all detects) R (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)
G2E160199	C032C970 C032C971 C032C972 C032C973 C032C973DL C032CA14 C032CA15 C032CA16 C032CA17 C032CA62 C032CA63 C032CA64 C032CA65 C032CA66 C032CA66DL	Dibenz(a,h)anthracene	J (all detects)	A	Matrix spike/Matrix spike duplicates (%R)
G2E160199	C032CA63	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	P	Internal standards (area)
G2E160199	C032CA66DL	Benzo(a)anthracene Chrysene	J (all detects) J (all detects)	A	Internal standards (area)
G2E160199	C032C973DL C032CA79DL1 C032CA62 C032CA64	All TCL compounds	J (all detects) UJ (all non-detects)	P	Internal standards

SDG	Sample	Compound	Flag	A or P	Reason
G2E160199	C032C973	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Chrysene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Compound quantitation and CRQLs
G2E160199	C032CA79	All TCL compounds except Acenaphthene 2-Methylnaphthalene Naphthalene	J (all detects)	A	Compound quantitation and CRQLs
G2E160199	C032CA79DL1	Fluoranthene Phenanthrene Pyrene	J (all detects) J (all detects) J (all detects)	A	Compound quantitation and CRQLs
G2E160199	C032CA66	Phenanthrene Pyrene	J (all detects) J (all detects)	A	Compound quantitation and CRQLs
G2E160199	C032C973	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Chrysene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	R R R R R R R R	A	Overall assessment of data
G2E160199	C032C973DL	All TCL compounds except Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Chrysene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	R	A	Overall assessment of data
G2E160199	C032CA79	All TCL compounds except Acenaphthene 2-Methylnaphthalene Naphthalene	R	A	Overall assessment of data
G2E160199	C032CA79DL1	Acenaphthene 2-Methylnaphthalene Naphthalene Fluoranthene Phenanthrene Pyrene	R R R R R R	A	Overall assessment of data

SDG	Sample	Compound	Flag	A or P	Reason
G2E160199	C032CA79DL2	All TCL compounds except Fluoranthene Phenanthrene Pyrene	R	A	Overall assessment of data
G2E160199	C032CA66	Fluoranthene Pyrene	R R	A	Overall assessment of data
G2E160199	C032CA66DL	All TCL compounds except Fluoranthene Pyrene	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E160199

SDG	Sample	Compound TIC (RT in minutes)	Modified Final Concentration	A or P
G2E160199	C032CA79DL2	2-Methylnaphthalene (50x)	290U ug/Kg	A

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E160199

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 23, 2002

LDC Report Date: June 24, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level IV

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E240204

Sample Identification

C032CB02
C032CB03
C032CB04
C032CB05
C032CB94
C032CB95
C032CB96
C032CB97
C032CB98
C032CA09
C032CA10
C032CA11
C032CA12
C032CA13
C032C230
C032CB04MS
C032CB04MSD

Introduction

This data review covers 17 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR17 (from SDG #38470) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032CB94	Phenanthrene-d10 Chrysene-d12 Perylene-d12	704800 (821455-3285820) 567770 (637401-2549604) 382843 (382944-1531778)	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032CB95	Phenanthrene-d10 Chrysene-d12 Perylene-d12	763088 (821455-3285820) 582706 (637401-2549604) 378568 (382944-1531778)	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P
C032CA12	Chrysene-d12	589516 (637401-2549604)	Benzo(a)anthracene Chrysene	J (all detects) UJ (all non-detects)	P
C032CA13	Chrysene-d12	620262 (637401-2549604)	Benzo(a)anthracene Chrysene	J (all detects) UJ (all non-detects)	P
C032C230	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12 Perylene-d12	742221 (743946-2975784) 303333 (348961-1395846) 698197 (821455-3285820) 330495 (637401-2549604) 134985 (382944-1531778)	All TCL compounds	J (all detects) UJ (all non-detects)	P

XI. Target Compound Identifications

All target compound identifications were within validation criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Flag	A or P
C032CA12 C032C230	Benzo(b)fluoranthene Benzo(k)fluoranthene	Due to lack of resolution between the peaks of these compounds, results were estimated.	J (all detects) J (all detects)	A

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was acceptable.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032CB97 and C032CB98 and samples C032CA10 and C032CA11 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032CB97	C032CB98	
Benzo(a)anthracene	4.8	6.3	27
Benzo(b)fluoranthene	6.7	10	40
Benzo(k)fluoranthene	7.2	11	42
Benzo(g,h,i)perylene	13	19	38
Benzo(a)pyrene	11	18	48
Chrysene	4.5	5.6	22
Dibenz(a,h)anthracene	1.2	1.8	40
Fluoranthene	4.5	6.5	36
Indeno(1,2,3-cd)pyrene	13	20	42
2-Methylnaphthalene	0.46	0.45	2
Naphthalene	0.79	1.2	41
Phenanthrene	1.3	1.9	38
Pyrene	11	24	74
Acenaphthylene	6.4U	1.4	200
Anthracene	6.4U	0.62	200

Compound	Concentration (ug/Kg)		RPD
	C032CA10	C032CA11	
Benzo(a)anthracene	0.56	0.58	3
Benzo(b)fluoranthene	0.90	0.95	5
Benzo(k)fluoranthene	0.69	0.72	4
Benzo(g,h,i)perylene	1.9	2.0	5
Benzo(a)pyrene	1.2	1.3	8
Chrysene	0.68	0.68	0
Fluoranthene	0.93	0.86	8
Indeno(1,2,3-cd)pyrene	1.7	1.9	11
Pyrene	1.6	1.5	6

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E240204

SDG	Sample	Compound	Flag	A or P	Reason
G2E240204	C032CB94 C032CB95	Benzo(a)anthracene Chrysene	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E240204	C032CA12 C032CA13	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E240204	C032C230	All TCL compounds	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E240204	C032CA12 C032C230	Benzo(b)fluoranthene Benzo(k)fluoranthene	J (all detects) J (all detects)	A	Compound quantitation and CRQLs

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E240204

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E240204

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: June 2, 2002

LDC Report Date: June 20, 2002

Matrix: Soil/Water

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level IV

Laboratory: APPL, Inc.

Sample Delivery Group (SDG): 38521

Sample Identification

C032C754
C032C755
C032C749
C032C745
C032C746
C032C748
C032C747
C032C741
C032C741RE
C032C742
C032C743
C032CR023
C032C746MS
C032C746MSD
C032C746MSRE

Introduction

This data review covers 14 soil samples and one water sample listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR023 was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits with the following exceptions:

Sample	Surrogate	%R (Limits)	Compound	Flag	A or P
C032C741	2-Fluorobiphenyl Nitrobenzene-d5 Terphenyl-d14	0.1 (54-125) 0.3 (49-121) 0.4 (57-126)	All TCL compounds	J (all detects) R (all non-detects)	A

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032C741RE	All TCL compounds	No MSD associated with these samples.	MSD required.	None	P

Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C746MS/MSD	2-Methylnaphthalene	22.2 (40-135)	-	113.9 (≤30)	J (all detects)	A
(C032C754	Acenaphthene	24.2 (39-135)	-	99.6 (≤30)	UJ (all non-detects)	
C032C755	Acenaphthylene	21.1 (37-135)	-	105.3 (≤30)		
C032C749	Anthracene	23.4 (35-175)	-	107.3 (≤30)		
C032C745	Benzo(a)anthracene	16.6 (41-143)	-	72.1 (≤30)		
C032C746	Benzo(a)pyrene	1.4 (31-135)	-	64.9 (≤30)		
C032C748	Benzo(b)fluoranthene	1.1 (27-135)	-	71.2 (≤30)		
C032C747	Benzo(k)fluoranthene	9.7 (53-117)	-	77.8 (≤30)		
C032C744	Chrysene	10.1 (45-143)	-	69.8 (≤30)		
C032C742	Dibenz(a,h)anthracene	19.9 (40-135)	-	98.9 (≤30)		
C032C743)	Fluorene	21.5 (38-149)	-	112.0 (≤30)		
	Indeno(1,2,3-cd)pyrene	0.1 (25-170)	-	76.7 (≤30)		
	Naphthalene	22.6 (40-135)	-	110.3 (≤30)		

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C746MS/MSD (C032C754 C032C755 C032C749 C032C745 C032C746 C032C748 C032C747 C032C741 C032C742 C032C743)	Benzo(g,h,i)perylene Fluoranthene Phenanthrene Pyrene	0 (25-159) 0 (37-135) 0 (44-135) 0 (37-146)	- - - -	71.7 (≤30) 172.4 (≤30) 80.8 (≤30) 58.2 (≤30)	J (all detects) R (all non-detects)	A
C032C746MSRE (C032C741RE)	Benzo(a)pyrene Benzo(k)fluoranthene Fluoranthene Pyrene	148 (31-135) 157 (53-117) 170 (37-135) 249 (37-146)	- - - -	- - - -	J (all detects) J (all detects) J (all detects) J (all detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

All target compound identifications were within validation criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was acceptable.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C741	All TCL compounds	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C746 and C032C748 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C746	C032C748	
2-Methylnaphthalene	1.1	5.8U	200
Acenaphthene	4.5	1.6	95
Acenaphthylene	9.3	3.8	84
Anthracene	8.1	2.6	103
Benzo(a)anthracene	57.0	24.0	81
Benzo(a)pyrene	90.0	40.0	77
Benzo(b)fluoranthene	70.0	32.0	74
Benzo(g,h,i)perylene	96.0	45.0	72
Benzo(k)fluoranthene	60.0	27.0	76
Chrysene	70.0	29.0	83
Dibenz(a,h)anthracene	12.0	6.0	67

Compound	Concentration (ug/Kg)		RPD
	C032C746	C032C748	
Fluoranthene	150.0	67.0	76
Fluorene	3.5	5.8U	200
Indeno(1,2,3-cd)pyrene	68.0	32.0	72
Naphthalene	4.7	1.6	98
Phenanthrene	80.0	31.0	88
Pyrene	190.0	79.0	82

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG 38521

SDG	Sample	Compound	Flag	A or P	Reason
38521	C032C741	All TCL compounds	J (all detects) R (all non-detects)	A	Surrogate recovery (%R)
38521	C032C741RE	All TCL compounds	None	P	Matrix spike duplicates
38521	C032C754 C032C755 C032C749 C032C745 C032C746 C032C748 C032C747 C032C741 C032C742 C032C743	2-Methylnaphthalene Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene Dibenz(a,h)anthracene Fluorene Indeno(1,2,3-cd)pyrene Naphthalene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)(RPD)
38521	C032C754 C032C755 C032C749 C032C745 C032C746 C032C748 C032C747 C032C741 C032C742 C032C743	Benzo(g,h,i)perylene Fluoranthene Phenanthrene Pyrene	J (all detects) R (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)(RPD)
38521	C032C741RE	Benzo(a)pyrene Benzo(k)fluoranthene Fluoranthene Pyrene	J (all detects) J (all detects) J (all detects) J (all detects)	A	Matrix spike analysis (%R)
38521	C032C741	All TCL compounds	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG 38521

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG 38521

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 31, 2002

LDC Report Date: June 19, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: APPL, Inc.

Sample Delivery Group (SDG): 38509

Sample Identification

C032CC51
C032CC52
C032CC53
C032CC54
C032CC55
C032CB59
C032CB59DL
C032CB60
C032CB61
C032CB62
C032CB72
C032CB73
C032CB74
C032CB75
C032CB76
C032CC00
C032CD01
C032CD02
C032CD03
C032CC52MS
C032CC52MSD

Introduction

This data review covers 21 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032CC52MS/MSD (All samples in SDG 38509)	Benzo(k)fluoranthene	124 (53-117)	-	-	J (all detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032CB59	Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032CB59	Pyrene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032CC52 and C032CC53 and samples C032CB75 and C032CB76 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032CC52	C032CC53	
Benzo(a)pyrene	1.9	6.0U	200
Benzo(k)fluoranthene	1.8	6.0U	200
Indeno(1,2,3-cd)pyrene	1.5	6.0U	200
Pyrene	2.2	6.0U	200

Compound	Concentration (ug/Kg)		RPD
	C032CB75	C032CB76	
Acenaphthylene	3.6	2.2	48

Compound	Concentration (ug/Kg)		RPD
	C032CB75	C032CB76	
Anthracene	3.1	1.6	64
Benzo(a)anthracene	24.0	13.0	59
Benzo(a)pyrene	47.0	25.0	61
Benzo(b)fluoranthene	32.0	17.0	61
Benzo(g,h,i)perylene	55.0	29.0	62
Benzo(k)fluoranthene	46.0	23.0	67
Chrysene	27.0	15.0	57
Dibenz(a,h)anthracene	7.0	3.5	67
Fluoranthene	61.0	34.0	57
Indeno(1,2,3-cd)pyrene	37.0	19.0	64
Naphthalene	2.9	1.1	90
Phenanthrene	21.0	11.0	62
Pyrene	82.0	45.0	58

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG 38509

SDG	Sample	Compound	Flag	A or P	Reason
38509	C032CC51 C032CC52 C032CC53 C032CC54 C032CC55 C032CB59 C032CB59DL C032CB60 C032CB61 C032CB62 C032CB72 C032CB73 C032CB74 C032CB75 C032CB76 C032CC00 C032CD01 C032CD02 C032CD03	Benzo(k)fluoranthene	J (all detects)	A	Matrix spike/Matrix spike duplicates (%R)
38509	C032CB59	Pyrene	J (all detects)	A	Compound quantitation and CRQLs
38509	C032CB59	Pyrene	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG 38509

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG 38509

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 29, 2002

LDC Report Date: June 20, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: APPL, Inc.

Sample Delivery Group (SDG): 38488

Sample Identification

C032CC34	C032C616RE
C032CC35	C032CB93MS
C032CC36	C032CB93MSD
C032CC37	
C032CB90	
C032CB91	
C032CB92	
C032CB93	
C032C604	
C032C605	
C032C605DL1	
C032C605DL2	
C032C606	
C032C607	
C032C607RE	
C032C613	
C032C614	
C032C615	
C032C616	
C032C616DL	

Introduction

This data review covers 23 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits with the following exceptions:

Sample	Surrogate	%R (Limits)	Compound	Flag	A or P
C032C607	2-Fluorobiphenyl Nitrobenzene-d5	42.8 (54-125) 39.9 (49-121)	All TCL compounds	J (all detects) UJ (all non-detects)	A

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032C607RE C032C616RE	All TCL compounds	No MS/MSD associated with these samples.	MS/MSD required.	None	P

Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C605	Perylene-d12	409883 (497768-1991070)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032C616	2-Methylnaphthalene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C605	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R R R R R	A
C032C605DL1	All TCL compounds except Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R	A

Sample	Compound	Flag	A or P
C032C605DL2 C032C607 C032C616RE	All TCL compounds	R	A
C032C616	2-Methylnaphthalene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG 38488

SDG	Sample	Compound	Flag	A or P	Reason
38488	C032C607	All TCL compounds	J (all detects) UJ (all non-detects)	A	Surrogate recovery (%R)
38488	C032C607RE C032C616RE	All TCL compounds	None	P	Matrix spike/Matrix spike duplicates
38488	C032C605	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
38488	C032C616	2-Methylnaphthalene	J (all detects)	A	Compound quantitation and CRQLs
38488	C032C605	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R R R R R	A	Overall assessment of data
38488	C032C605DL1	All TCL compounds except Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R	A	Overall assessment of data
38488	C032C605DL2 C032C607 C032C616RE	All TCL compounds	R	A	Overall assessment of data
38488	C032C616	2-Methylnaphthalene	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG 38488

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG 38488

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 30, 2002

LDC Report Date: June 20, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: APPL, Inc.

Sample Delivery Group (SDG): 38498

Sample Identification

C032C577
C032C578
C032C579
C032C580
C032C581
C032C586
C032C587
C032C588
C032C588RE
C032C589
C032C590
C032CD04
C032CD05
C032CD06
C032CD07
C032CD08
C032CB81
C032CB82
C032CB83
C032CB84
C032C5[illegible]8MS
C032C57[illegible]8MSD

Introduction

This data review covers 22 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032C588RE	All TCL compounds	No MS/MSD associated with these samples.	MS/MSD required.	None	P

Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C578MS/MSD (C032C577 C032C578 C032C579 C032C580 C032C581 C032C586 C032C587 C032C588 C032C589 C032C590 C032CD04 C032CD05 C032CD06 C032CD07 C032CD08 C032CB81 C032CB82 C032CB83 C032CB84)	Benzo(a)pyrene	0 (31-135)	-	148.4 (≤30)	J (all detects) R (all non-detects)	A

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C578MS/MSD (C032C577 C032C578 C032C579 C032C580 C032C581 C032C586 C032C587 C032C588 C032C589 C032C590 C032CD04 C032CD05 C032CD06 C032CD07 C032CD08 C032CB81 C032CB82 C032CB83 C032CB84)	Benzo(k)fluoranthene	127 (53-117)	-	37.0 (≤30)	J (all detects) UJ (all non-detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C588RE	All TCL compounds	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C580 and C032C581, samples C032C589 and C032C590 and samples C032CD07 and C032CD08 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C580	C032C581	
2-Methylnaphthalene	8.1	4.2	63
Acenaphthene	27.0	16.0	51
Acenaphthylene	38.0	30.0	23
Anthracene	27.0	19.0	35
Benzo(a)anthracene	210.0	110.0	62
Benzo(a)pyrene	310.0	160.0	64
Benzo(b)fluoranthene	230.0	120.0	63
Benzo(g,h,i)perylene	300.0	140.0	73
Benzo(k)fluoranthene	190.0	98.0	64
Chrysene	270.0	130.0	70
Dibenz(a,h)anthracene	38.0	20.0	62

Compound	Concentration (ug/Kg)		RPD
	C032C580	C032C581	
Fluoranthene	670.0	360.0	60
Fluorene	25.0	17.0	38
Indeno(1,2,3-cd)pyrene	220.0	100.0	75
Naphthalene	46.0	25.0	59
Phenanthrene	510.0	330.0	43
Pyrene	790.0	390.0	68

Compound	Concentration (ug/Kg)		RPD
	C032C589	C032C590	
2-Methylnaphthalene	2.0	4.5	73
Acenaphthene	7.7	98.0	171
Acenaphthylene	7.4	60.0	156
Anthracene	26.0	180.0	150
Benzo(a)anthracene	93.0	400.0	124
Benzo(a)pyrene	110.0	520.0	130
Benzo(b)fluoranthene	71.0	310.0	125
Benzo(g,h,i)perylene	73.0	350.0	131
Benzo(k)fluoranthene	64.0	320.0	133
Chrysene	110.0	450.0	121
Dibenz(a,h)anthracene	15.0	59.0	119
Fluoranthene	150.0	1100.0	152

Compound	Concentration (ug/Kg)		RPD
	C032C589	C032C590	
Fluorene	9.0	84.0	61
Indeno(1,2,3-cd)pyrene	54.0	260.0	31
Phenanthrene	110.0	1100.0	64
Pyrene	250.0	1400.0	39

Compound	Concentration (ug/Kg)		RPD
	C032CD07	C032CD08	
2-Methylnaphthalene	3.7	3.4	8
Acenaphthene	6.5	4.0	48
Acenaphthylene	57.0	51.0	11
Anthracene	26.0	24.0	8
Benzo(a)anthracene	230.0	210.0	9
Benzo(a)pyrene	410.0	380.0	8
Benzo(b)fluoranthene	260.0	240.0	8
Benzo(g,h,i)perylene	360.0	340.0	6
Benzo(k)fluoranthene	240.0	230.0	4
Chrysene	280.0	250.0	11
Dibenz(a,h)anthracene	50.0	47.0	6
Fluoranthene	530.0	440.0	19
Fluorene	14.0	7.4	62
Indeno(1,2,3-cd)pyrene	250.0	240.0	4

Compound	Concentration (ug/Kg)		RPD
	C032CD07	C032CD08	
Phenanthrene	250.0	140.0	56
Pyrene	700.0	580.0	19

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG 38498

SDG	Sample	Compound	Flag	A or P	Reason
38498	C032C588RE	All TCL compounds	None	P	Matrix spike/Matrix spike duplicates
38498	C032C577 C032C578 C032C579 C032C580 C032C581 C032C586 C032C587 C032C588 C032C589 C032C590 C032CD04 C032CD05 C032CD06 C032CD07 C032CD08 C032CB81 C032CB82 C032CB83 C032CB84	Benzo(a)pyrene	J (all detects) R (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)
38498	C032C577 C032C578 C032C579 C032C580 C032C581 C032C586 C032C587 C032C588 C032C589 C032C590 C032CD04 C032CD05 C032CD06 C032CD07 C032CD08 C032CB81 C032CB82 C032CB83 C032CB84	Benzo(k)fluoranthene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)
38498	C032C588RE	All TCL compounds	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG 38498

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG 38498

No Sample Data Qualified in this SDG

LABORATORY DATA CONSULTANTS, INC.
7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: 760/634-0439

Bechtel Environmental
1230 Columbia Street, Suite 400
San Diego, CA 92101
Attn: Mr James Jordan

July 2, 2002

Project Name : NAS Alameda Point
Project # : CTO 032

On June 26 and June 27, 2002 the following data packages were received by Laboratory Data Consultants, Inc. from Bechtel Environmental. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 8663:

SDG #	Fraction
G2E210154, G2E240197, G2E240210, G2E250151, G2E250152, G2E290164, G2E290159, G2E290161, G2E290166, G2E300175, G2E300183, G2E300186, G2F010144, G2E310177, G2E310188, G2F010139	Polynuclear Aromatic Hydrocarbons

The above SDGs were reviewed using Level III and Level IV guidelines. The analyses were validated using the following documents, as applicable to each method:

- NFESC Special Publication SP-2056-ENV, Navy Installation Restoration Chemical Data Quality Manual, Naval Facilities Engineering Command, September 1999
- USEPA, Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996

The data validators did utilize their professional judgement when evaluating the data to achieve the most complete and accurate assessment of the data. The data packages were reviewed according to the above stated validation procedures.

For GC/MS polynuclear aromatic hydrocarbon analyses, the primary findings consisted of:

a) Analysis holding times were exceeded for samples C032CR19RE and C032CR20RE in SDG G2E290166. Since the laboratory met the protocol requirement, this finding should be considered advisory.

b) Continuing calibration factors exceeded acceptance criteria in SDGs G2E210154, G2E240210, G2E250152,, G2E290159, G2E300183 and G2E300186. Since the laboratory met the protocol requirement, this finding should be considered advisory.

c) Continuing calibration factors exceeded acceptance criteria in SDGs G2E290164, G2E290166, G2E300175, G2E300183, G2E310177 and G2F010139.

d) Matrix spike/matrix spike duplicate sample analyses were not performed for all batches in SDG G2E300175.

e) Matrix spike/matrix spike duplicate percent recoveries and relative percent differences exceeded acceptance criteria for several compounds in SDGs G2E240210, G2E290164, G2E290159, G2E300175, G2E300183 and G2E310177. The associated nondetect results for dibenz(a,h)anthracene in SDG G2E300175, phenanthrene, fluoranthene, benzo(g,h,i)perylene and pyrene in SDG G2E290164 and benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene and indeno(1,2,3-cd)pyrene in SDG G2E300183 were qualified as unusable. Since the laboratory met the protocol requirement, this finding should be considered advisory.

f) Laboratory control sample percent recoveries for chrysene and relative percent differences for indeno(1,2,3-cd)pyrene and dibenz(a,h)anthracene exceeded acceptance criteria in SDG G2E290166.

g) Internal standard areas exceeded acceptance criteria for several samples in SDG G2E210154, G2E240197, G2E240210, G2E250151, G2E250152, G2E290164, G2E290159, G2E290161, G2E300175, G2E300183, G2E300186, G2E310177, G2E310188 and G2F010139.

h) Internal standard areas exceeded acceptance criteria for several samples in SDGs G2E240210, G2E300175, G2E300183, G2E300186, G2E310177 and G2F010139. Since the laboratory met the protocol requirement, this finding should be considered advisory.

i) Naphthalene was detected in the method blanks. Since the laboratory met the protocol requirement, this finding should be considered advisory.

j) Several compounds in SDGs G2E250151, G2E290164, G2E300175 G2E300183, G2E310177 and G2F010139 were reported above the calibration range in several samples . Since the laboratory met the protocol requirement, this finding should be considered advisory.

k) Data was qualified as unusable in dilutions by the validators in order to yield only one complete set of data for a given sample and eliminate redundant data.

In general, the data for all analyses appear usable with the limitations noted in the Data Validation Reports. Data validation flags were noted on the Laboratory Form 1s and included with each validation report.

Sincerely,

Richard M. Amano
President/Principal Chemist

Attachment 1

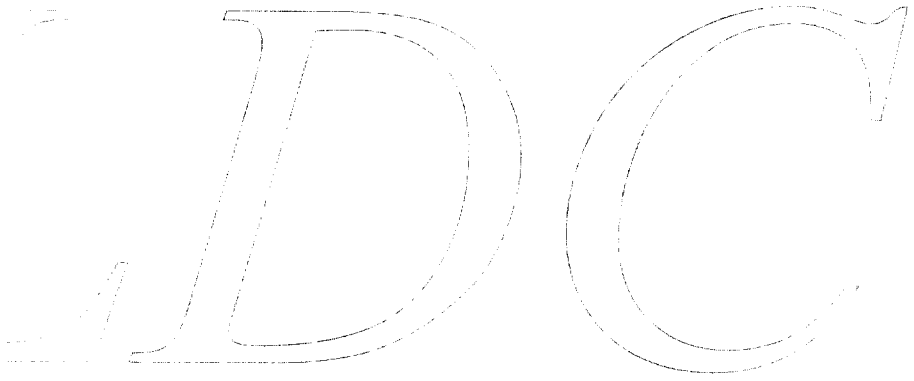
LDC #8663 (Bechtel Environmental-San Diego / Alameda Point, CTO 32)

LDC	SDG#	DATE REC'D	DATE DUE	PAHs (8270-SIM)																													
Matrix	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	G2E210154	6-26-02	7-3-02	0	17																												
B	G2E240197	6-26-02	7-3-02	0	11																												
C	G2E240210	6-26-02	7-3-02	0	16																												
D	G2E250151	6-26-02	7-3-02	0	20																												
E	G2E250152	6-26-02	7-3-02	0	17																												
F	G2E290164	6-26-02	7-3-02	0	10																												
G	G2E290159	6-26-02	7-3-02	0	17																												
H	G2E290161	6-26-02	7-3-02	0	17																												
I	G2E290166	6-26-02	7-3-02	8	0																												
J	G2E300175	6-26-02	7-3-02	0	18																												
K	G2E300183	6-26-02	7-3-02	0	24																												
L	G2E300186	6-26-02	7-3-02	0	5																												
M	G2F010144	6-26-02	7-3-02	0	16																												
N	G2E310177	6-26-02	7-3-02	0	21																												
O	G2E310188	6-26-02	7-3-02	0	17																												
P	G2F010139	6-27-02	7-3-02	0	18																												
Total	B			8	244	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Shaded cells indicate Level IV validation (all other cells are Level III validation)

Alameda Point, CTO 32
Data Validation Reports
LDC# 8663

Polynuclear Aromatic Hydrocarbons



Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 20, 2002

LDC Report Date: June 27, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E210154

Sample Identification

C032C072
C032C073
C032C074
C032C075
C032C098
C032C099
C032C100
C032C101
C032C102
C032C133
C032C134
C032C135
C032C136
C032C137
C032C481
C032C072MS
C032C072MSD

Introduction

This data review covers 17 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs) .

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
5/23/02	Benzo(k)fluoranthene Dibenz(a,h)anthracene	25.43261 26.92641	C032C072 C032C073 C032C074 C032C075 C032C098 C032C099 C032C100 C032C101 C032C102 C032C133 C032C072MS C032C072MSD 2141451MB	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A
6/29/02	Indeno(1,2,3-cd)pyrene	25.3	C032C136 C032C481	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR011 (from SDG 38470) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for sample C032C137. Since this sample was diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C481	Perylene-d12	79705 (123203-492812)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P

Several problems related to the initial calibration and continuing calibration internal standards were identified.

Sample	Finding	Associated Compound	Flag	A or P
C032C072 C032C073 C032C074 C032C075 C032C098 C032C099 C032C100 C032C101 C032C102 C032C133 C032C134 C032C135 C032C072MS C032C072MSD 2141451MB	1.) Area counts of all internal standards, surrogates and target compounds in the midpoint standard were >2x the area counts in the other initial calibration standards analyzed 5/21/02.	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032C072 C032C073 C032C074 C032C075 C032C098 C032C099 C032C100 C032C101 C032C102 C032C133 C032C134 C032C135 C032C072MS C032C072MSD 2141451MB	2.) Area counts of all internal standards, surrogates and target compounds in the continuing calibration were >2x the area counts in the initial calibration standards analyzed 5/21/02 except the midpoint standard.	All TCL compounds	J (all detects) UJ (all non-detects)	P

Sample	Finding	Associated Compound	Flag	A or P
C032C072 C032C073 C032C074 C032C075 C032C098 C032C099 C032C100 C032C101 C032C102 C032C133 C032C134 C032C135 C032C072MS C032C072MSD 2141451MB	3.) Area counts of all internal standards of the continuing calibration were >2x the area counts in all samples and method blanks as applicable.	All TCL compounds	J (all detects) UJ (all non-detects)	P

The laboratory indicated that the area counts were extremely high for all internal standards, surrogates and target compounds in the midpoint standard of the initial calibration and continuing calibration standards because the standard solution used to prepare these standards has concentrated.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C101 and C032C102 and samples C032C134 and C032C135 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C101	C032C102	
Benzo(a)anthracene	1.1	0.52	72
Benzo(b)fluoranthene	1.4	5.7U	200
Benzo(k)fluoranthene	0.77	5.7U	200
Benzo(a)pyrene	1.0	5.7U	200
Chrysene	1.8	5.7U	200
Fluoranthene	3.4	5.7U	200
Phenanthrene	2.1	5.7U	200
Pyrene	3.9	5.7U	200

Compound	Concentration (ug/Kg)		RPD
	C032C134	C032C135	
Benzo(a)anthracene	1.3	1.5	14
Benzo(b)fluoranthene	1.3	1.2	8
Benzo(k)fluoranthene	0.96	0.93	3
Benzo(g,h,i)perylene	1.4	1.1	24
Benzo(a)pyrene	1.3	1.2	8
Chrysene	1.5	1.8	18
Dibenz(a,h)anthracene	5.5U	0.29	5.5U
Fluoranthene	1.8	1.1	48
Indeno(1,2,3-cd)pyrene	1.5	1.2	22
2-Methylnaphthalene	0.32	0.34	6

Compound	Concentration (ug/Kg)		RPD
	C032C134	C032C135	
Naphthalene	5.5U	0.36	200
Phenanthrene	0.65	0.64	2
Pyrene	2.0	1.3	42

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E210154

SDG	Sample	Compound	Flag	A or P	Reason
G2E210154	C032C072 C032C073 C032C074 C032C075 C032C098 C032C099 C032C100 C032C101 C032C102 C032C133	Benzo(k)fluoranthene Dibenz(a,h)anthracene	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E210154	C032C136 C032C481	Indeno(1,2,3-cd)pyrene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E210154	C032C481	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E210154	C032C072 C032C073 C032C074 C032C075 C032C098 C032C099 C032C100 C032C101 C032C102 C032C133 C032C134 C032C135	All TCL compounds	J (all detects) UJ (all non-detects)	P	Internal standards

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E210154

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E210154

No Sample Data Qualified in this SDG

LDC Report# 8663B2

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 23, 2002

LDC Report Date: July 1, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level IV

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E240197

Sample Identification

C032C336
C032C337
C032C338
C032C339
C032C296
C032C297
C032C298
C032C299
C032C300
C032C336MS
C032C336MSD

Introduction

This data review covers 11 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
5/28/02	2-Methylnaphthalene	29.5	2144489MB	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR17 (from SDG 38470) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for several samples. Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

Several problems related to the initial calibration and continuing calibration internal standards were identified.

Sample	Finding	Associated Compound	Flag	A or P
C032C336 C032C337 C032C338 C032C339 C032C296 C032C297 C032C299 C032C300 C032C336MS C032C336MSD	1.) Area counts of all internal standards, surrogates and target compounds in the midpoint standard were >2x the area counts in the other initial calibration standards analyzed 5/31/02.	All TCL compounds	J (all detects) UJ (all non-detects)	P

Sample	Finding	Associated Compound	Flag	A or P
C032C336 C032C337 C032C338 C032C339 C032C296 C032C297 C032C299 C032C300 C032C336MS C032C336MSD	2.) Area counts of all internal standards, surrogates and target compounds in the continuing calibration were >2x the area counts in the initial calibration standards analyzed 5/31/02 except the midpoint standard.	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032C336 C032C337 C032C338 C032C339 C032C296 C032C297 C032C299 C032C300 C032C336MS C032C336MSD	3.) Area counts of all internal standards of the continuing calibration were >2x the area counts in all samples and method blanks as applicable.	All TCL compounds	J (all detects) UJ (all non-detects)	P

The laboratory indicated that the area counts were extremely high for all internal standards, surrogates and target compounds in the midpoint standard of the initial calibration and continuing calibration standards because the standard solution used to prepare these standards has concentrated.

XI. Target Compound Identifications

All target compound identifications were within validation criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was acceptable.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C299 and C032C300 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C299	C032C300	
Benzo(a)anthracene	0.45	5.9U	200
Benzo(g,h,i)perylene	0.59	5.9U	200

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E240197

SDG	Sample	Compound	Flag	A or P	Reason
G2E240197	C032C336 C032C337 C032C338 C032C339 C032C296 C032C297 C032C299 C032C300	All TCL compounds	J (all detects) UJ (all non-detects)	P	Internal standards

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E240197

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E240197

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 23, 2002

LDC Report Date: June 28, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E240210

Sample Identification

C032C231
C032C232
C032C233
C032C234
C032C173
C032C174
C032C175
C032C176
C032C489
C032C490
C032C491
C032C492
C032C493
C032C388
C032C490MS
C032C490MSD

Introduction

This data review covers 16 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs) .

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
5/27/02	Dibenz(a,h)anthracene	27.1	C032C231 C032C232 C032C233 C032C234 C032C173 C032C174 C032C176 C032C489 C032C490 C032C491 C032C493 C032C388 C032C490MS C032C490MSD 2144490MB	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR17 (from SDG 38470) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C490MS/MSD (All samples in SDG G2E240210)	Phenanthrene	384 (30-150)	657 (30-150)	47 (≤30)	J (all detects) UJ (all non-detects)	A
	Anthracene	189 (30-150)	281 (30-150)	36 (≤30)		
	Fluoranthene	430 (30-150)	887 (30-150)	56 (≤30)		
	Pyrene	331 (30-150)	675 (30-150)	50 (≤30)		
	Benzo(a)anthracene	274 (30-150)	635 (30-150)	61 (≤30)		
	Chrysene	284 (30-150)	596 (30-150)	51 (≤30)		
	Benzo(b)fluoranthene	201 (30-150)	397 (30-150)	49 (≤30)		
	Benzo(k)fluoranthene	-	348 (30-150)	58 (≤30)		
	Benzo(a)pyrene	183 (30-150)	392 (30-150)	54 (≤30)		
	Indeno(1,2,3-cd)pyrene	-	295 (30-150)	58 (≤30)		
	Benzo(g,h,i)perylene	-	192 (30-150)	32 (≤30)		

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C173	Naphthalene-d8	234596 (611030-2444122)	All TCL compounds	J (all detects) UJ (all non-detects)	P
	Acenaphthene-d10	144035 (350340-1401360)			
	Phenanthrene-d10	203617 (516104-2064418)			
	Chrysene-d12	120266 (343717-1374868)			
	Perylene-d12	61685 (233031-932126)			
C032C175	Naphthalene-d8	76933 (115302-461208)	Naphthalene	J (all detects) UJ (all non-detects)	A
	Acenaphthene-d10	50219 (56939-227754)	2-Methylnaphthalene		
	Perylene-d12	44731 (59629-238516)	Acenaphthylene		
			Acenaphthene		
			Benzo(b)fluoranthene		
			Benzo(k)fluoranthene		
			Benzo(a)pyrene		
			Indeno(1,2,3-cd)pyrene		
			Dibenz(a,h)anthracene		
			Benzo(g,h,i)perylene		
C032C175	Acenaphthene-d10	189372 (261442-1045770)	Fluorene	J (all detects) UJ (all non-detects)	A

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C492	Acenaphthene-d10	186309 (261442-1045770)	Fluorene	J (all detects) UJ (all non-detects)	A
C032C492	Naphthalene-d8 Acenaphthene-d10 Perylene-d12	81289 (115302-461208) 56738 (56939-227754) 52700 (59629-238516)	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C233 and C032C234 and samples C032C490 and C032C491 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C490	C032C491	
Acenaphthene	1.5	4.6	102
Acenaphthylene	5.4U	2.0	200

Compound	Concentration (ug/Kg)		RPD
	C032C490	C032C491	
Anthracene	6.0	20	108
Benzo(a)anthracene	36	63	54
Benzo(b)fluoranthene	26	55	72
Benzo(k)fluoranthene	27	48	56
Benzo(g,h,i)perylene	26	38	38
Benzo(a)pyrene	28	65	80
Chrysene	45	100	76
Dibenz(a,h)anthracene	14	21	40
Fluoranthene	43	110	88
Fluorene	1.5	4.8	105
Indeno(1,2,3-cd)pyrene	18	37	69
2-Methylnaphthalene	1.2	1.7	34
Naphthalene	0.79	1.5	62
Phenanthrene	16	56	111
Pyrene	49	99	68

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E240210

SDG	Sample	Compound	Flag	A or P	Reason
G2E240210	C032C231 C032C232 C032C233 C032C234 C032C173 C032C174 C032C176 C032C489 C032C490 C032C491 C032C493 C032C388	Dibenz(a,h)anthracene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E240210	C032C231 C032C232 C032C233 C032C234 C032C173 C032C174 C032C175 C032C176 C032C489 C032C490 C032C491 C032C492 C032C493 C032C388	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)(RPD)
G2E240210	C032C173	All TCL compounds	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E240210	C032C175 C032C492	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
G2E240210	C032C175 C032C492	Fluorene	J (all detects) UJ (all non-detects)	A	Internal standards (area)

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E240210

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E240210

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 24, 2002

LDC Report Date: June 27, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E250151

Sample Identification

C032CC82
C032CC82DL
C032CC83
C032CC84
C032CC85
C032CC86
C032CC86DL
C032CD31
C032CD32
C032CD33
C032CD34
C032CD34DL
C032CC87
C032CC88
C032CC89
C032CC90
C032C305
C032C306
C032CC88MS
C032CC88MSD

Introduction

This data review covers 20 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs) .

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Sample C032CR18 (from SDG 38470) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR18	5/24/02	Phenanthrene Benzo(k)fluoranthene	0.019 ug/L 0.019 ug/L	All samples in SDG G2E250151

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for samples C032CC82DL and C032CC84. Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
2145136MB	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12 Perylene-d12	176108 (242847-971388) 102042 (125060-500242) 150971 (187416-749666) 126036 (138638-554554) 112607 (127185-508740)	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032CC83	Naphthalene-d8 Acenaphthene-d10 Perylene-d12	197693 (242847-971388) 117059 (125060-500242) 1858527 (187416-749666)	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) UJ (all non-detects)	P
C032CC82	Naphthalene-d8	221787 (242847-971388)	Naphthalene 2-Methylnaphthalene	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P
C032CC88	Naphthalene-d8 Acenaphthene-d10	214800 (242847-971388) 118197 (125060-500242)	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene	J (all detects) UJ (all non-detects)	P

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032CC82	Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Fluoranthene Indeno(1,2,3-cd)pyrene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A
C032CC86	Benzo(k)fluoranthene Benzo(a)pyrene Fluoranthene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects) J (all detects)	A

Sample	Compound	Finding	Criteria	Flag	A or P
C032CD34	Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032CC82	Naphthalene 2-Methylnaphthalene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Fluoranthene Indeno(1,2,3-cd)pyrene Pyrene	R R R R R R R R	A
C032CC82DL	All TCL compounds except Naphthalene 2-Methylnaphthalene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Fluoranthene Indeno(1,2,3-cd)pyrene Pyrene	R	A
C032CC86	Benzo(k)fluoranthene Benzo(a)pyrene Fluoranthene Pyrene	R R R R	A

Sample	Compound	Flag	A or P
C032CC86DL	All TCL compounds except Benzo(k)fluoranthene Benzo(a)pyrene Fluoranthene Pyrene	R	A
C032CD34	Pyrene	R	A
C032CD34DL	All TCL compounds except Pyrene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032CC85 and C032CC86 and samples C032CC85 and C032CC86DL were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032CC85	C032CC86	
Acenaphthene	4.8	7.4	43
Acenaphthylene	7.4	11	39
Anthracene	17	25	38
Benzo(a)anthracene	150	270	57
Benzo(b)fluoranthene	190	270	35
Benzo(k)fluoranthene	130	290	76
Benzo(g,h,i)perylene	140	210	40
Benzo(a)pyrene	190	320	51
Chrysene	150	270	57
Dibenz(a,h)anthracene	35	54	43

Compound	Concentration (ug/Kg)		RPD
	C032CC85	C032CC86	
Fluoranthene	200	340	52
Fluorene	3.8	5.1	29
Indeno(1 2,3-cd)pyrene	150	230	42
2-Methylnaphthalene	2.6	3.3	24
Naphthalene	8.2	12	38
Phenanthrene	57	79	32
Pyrene	240	370	43

Compound	Concentration (ug/Kg)		RPD
	C032CC85	C032CC86DL	
Acenaphthene	4.8	8.3	53
Acenaphthylene	7.4	14	62
Anthracene	17	31	58
Benzo(a)anthracene	150	280	60
Benzo(b)fluoranthene	190	320	51
Benzo(k)fluoranthene	130	300	79
Benzo(g,h,i)perylene	140	300	73
Benzo(a)pyrene	190	350	59
Chrysene	150	290	64
Dibenz(a h)anthracene	35	53	41
Fluoranthene	200	400	67

Compound	Concentration (ug/Kg)		RPD
	C032CC85	C032CC86DL	
Fluorene	3.8	3.8	0
Indeno(1,2,3-cd)pyrene	150	300	67
2-Methylnaphthalene	2.6	9.9	117
Naphthalene	8.2	22	91
Phenanthrene	57	100	55
Pyrene	240	460	63

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E250151

SDG	Sample	Compound	Flag	A or P	Reason
G2E250151	C032CC83	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E250151	C032CC82	Naphthalene 2-Methylnaphthalene	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E250151	C032CC88	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E250151	C032CC82	Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Fluoranthene Indeno(1,2,3-cd)pyrene Pyrene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Compound quantitation and CRQLs
G2E250151	C032CC86	Benzo(k)fluoranthene Benzo(a)pyrene Fluoranthene Pyrene	J (all detects) J (all detects) J (all detects) J (all detects)	A	Compound quantitation and CRQLs
G2E250151	C032CD34	Pyrene	J (all detects)	A	Compound quantitation and CRQLs
G2E250151	C032CC82	Naphthalene 2-Methylnaphthalene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Fluoranthene Indeno(1,2,3-cd)pyrene Pyrene	R R R R R R R R	A	Overall assessment of data

SDG	Sample	Compound	Flag	A or P	Reason
G2E250151	C032CC82DL	All TCL compounds except Naphthalene 2-Methylnaphthalene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Fluoranthene Indeno(1,2,3-cd)pyrene Pyrene	R	A	Overall assessment of data
G2E250151	C032CC86	Benzo(k)fluoranthene Benzo(a)pyrene Fluoranthene Pyrene	R R R R	A	Overall assessment of data
G2E250151	C032CC86DL	All TCL compounds except Benzo(k)fluoranthene Benzo(a)pyrene Fluoranthene Pyrene	R	A	Overall assessment of data
G2E250151	C032CD34	Pyrene	R	A	Overall assessment of data
G2E250151	C032CD34DL	All TCL compounds except Pyrene	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E250151

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E250151

No Sample Data Qualified in this SDG

LDC Report# 8663E2

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 25, 2002

LDC Report Date: June 27, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E250152

Sample Identification

C032C683
C032C684
C032C685
C032C686
C032C657
C032C658
C032C659
C032C660
C032C679
C032C705
C032C706
C032C707
C032C708
C032C709
C032C701
C032C686MS
C032C686MSD

Introduction

This data review covers 17 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs) .

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
5/29/02	Benzo(b)fluoranthene	27.4	C032C686 C032C658 C032C659 C032C660 C032C705 C032C706 C032C707 C032C708 C032C709 C032C701 C032C686MS C032C686MSD	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for several samples. Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C683	Perylene-d12	42284 (43041-172164)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P
C032C684	Perylene-d12	31761 (43041-172164)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P
C032C657	Perylene-d12	34037 (43041-172164)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P
C032C679	Perylene-d12	34447 (43041-172164)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P
C032C685	Perylene-d12	33694 (43041-172164)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C706 and C032C707 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E250152

SDG	Sample	Compound	Flag	A or P	Reason
G2E250152	C032C686 C032C658 C032C659 C032C660 C032C705 C032C706 C032C707 C032C708 C032C709 C032C701	Benzo(b)fluoranthene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E250152	C032C683 C032C684 C032C685 C032C657 C032C679	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P	Internal standards (area)

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E250152

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E250152

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 28, 2002

LDC Report Date: June 28, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E290164

Sample Identification

C032CC05
C032CC06
C032CD35
C032CD35DL
C032CD36
C032CD36DL
C032CD37
C032CD38
C032CC05MS
C032CC05MSD

Introduction

This data review covers 10 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs) with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
6/7/02	Benzo(a)pyrene	49.8	C032CD36DL	J (all detects) UJ (all non-detects)	P

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
6/7/02	Chrysene Benzo(b)fluoranthene	37.4 28.2	C032CD36DL	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR19 and C032CR19RE (from SDG G2E290166) were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR19	5/28/02	2-Methylnaphthalene Naphthalene	4.3 ng/L 13 ng/L	All samples in SDG G2E290164
C032CR19RE	5/28/02	2-Methylnaphthalene Naphthalene	3.8 ng/L 9.4 ng/L	All samples in SDG G2E290164

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for samples C032CD35DL and C032CD36DL. Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032CC05MS/MSD (All samples in SDG G2E290164)	Naphthalene 2-Methylnaphthalene Benzo(b)fluoranthene Dibenz(a,h)anthracene Benzo(k)fluoranthene	- 13 (30-150) 10 (30-150) 26 (30-150) -	29 (30-150) 9.4 (30-150) - - -	- - 53 (≤30) 58 (≤30)	J (all detects) UJ (all non-detects)	A
C032CC05MS/MSD (All samples in SDG G2E290164)	Phenanthrene Fluoranthene Pyrene Benzo(g,h,i)perylene	1.6 (30-150) 0.0 (30-150) 0.0 (30-150) 0.0 (30-150)	0.0 (30-150) 0.0 (30-150) 0.0 (30-150) 14 (30-150)	- - - -	J (all detects) R (all non-detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032CD35DL	Perylene-d12	286981 (62691-250766)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	P

Several problems related to the initial calibration and continuing calibration internal standards were identified.

Sample	Finding	Associated Compound	Flag	A or P
C032CC05 C032CC06 C032CD35 C032CD37 C032CD38 C032CC05MS C032CC05MSD 2149512MB	1.) Area counts of all internal standards, surrogates and target compounds in the midpoint standard were >2x the area counts in the other initial calibration standards analyzed 5/31/02 and 6/4/02.	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032CC05 C032CC06 C032CD35 C032CD37 C032CD38 C032CC05MS C032CC05MSD 2149512MB	2.) Area counts of all internal standards, surrogates and target compounds in the continuing calibration were >2x the area counts in the initial calibration standards analyzed 5/31/02 and 6/4/02 except the midpoint standard.	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032CC05 C032CC06 C032CD35 C032CD37 C032CD38 C032CC05MS C032CC05MSD 2149512MB	3.) Area counts of all internal standards of the continuing calibration were >2x the area counts in all samples and method blanks as applicable.	All TCL compounds	J (all detects) UJ (all non-detects)	P

The laboratory indicated that the area counts were extremely high for all internal standards, surrogates and target compounds in the midpoint standard of the initial calibration and continuing calibration standards because the standard solution used to prepare these standards has concentrated.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032CD35	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Chrysene Fluoranthene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A
C032CD36	Fluoranthene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032CD35	All TCL compounds except Acenaphthylene	R	A
C032CD35DL	Acenaphthylene	R	A
C032CD36	All TCL compounds	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E290164

SDG	Sample	Compound	Flag	A or P	Reason
G2E290164	C032CD36DL	Benzo(a)pyrene Chrysene Benzo(b)fluoranthene	J (all detects) UJ (all non-detects)	P	Continuing calibration (%D)
G2E290164	C032CC05 C032CC06 C032CD35 C032CD35DL C032CD36 C032CD36DL C032CD37 C032CD38	Naphthalene 2-Methylnaphthalene Benzo(b)fluoranthene Dibenz(a,h)anthracene Benzo(k)fluoranthene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)(RPD)
G2E290164	C032CC05 C032CC06 C032CD35 C032CD35DL C032CD36 C032CD36DL C032CD37 C032CD38	Phenanthrene Fluoranthene Pyrene Benzo(g,h,i)perylene	J (all detects) R (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)
G2E290164	C032CD35DL	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	P	Internal standards (area)
G2E290164	C032CC05 C032CC06 C032CD35 C032CD37 C032CD38	All TCL compounds	J (all detects) UJ (all non-detects)	P	Internal standards
G2E290164	C032CD35	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Chrysene Fluoranthene Pyrene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Compound quantitation and CRQLs
G2E290164	C032CD36	Fluoranthene Pyrene	J (all detects) J (all detects)	A	Compound quantitation and CRQLs
G2E290164	C032CD35	All TCL compounds except Acenaphthylene	R	A	Overall assessment of data

SDG	Sample	Compound	Flag	A or P	Reason
G2E290164	C032CD35DL	Acenaphthylene	R	A	Overall assessment of data
G2E290164	C032CD36	All TCL compounds	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E290164

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E290164

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 28, 2002

LDC Report Date: June 27, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E290159

Sample Identification

C032C644
C032C645
C032C646
C032C647
C032C630
C032C631
C032C632
C032C633
C032C634
C032C635
C032C636
C032C637
C032C638
C032C621
C032C622
C032C645MS
C032C645MSD

Introduction

This data review covers 17 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs) .

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
6/2/02	Naphthalene	26.1	C032C646 C032C636	J (all detects) UJ (all non-detects)	A
	Acenaphthene	27.1		J (all detects) UJ (all non-detects)	

All of the continuing calibration RRF values were greater than or equal to 0.05

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR19 and C032CR19RE (from SDG G2E290166) were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR19	5/28/02	2-Methylnaphthalene Naphthalene	4.3 ng/L 13 ng/L	All samples in SDG G2E290159
C032CR19RE	5/28/02	2-Methylnaphthalene Naphthalene	3.8 ng/L 9.4 ng/L	All samples in SDG G2E290159

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for several samples. Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C645MS (All samples in SDG G2E290159)	Benzo(g,h,i)perylene	21 (30-150)	-	-	J (all detects) UJ (all non-detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas were outside the QC limits of -50% to +100% of the associated continuing calibration.

Several problems related to the initial calibration and continuing calibration internal standards were identified.

Sample	Finding	Associated Compound	Flag	A or P
C032C644 C032C645 C032C647 C032C634 C032C637 C032C638 C032C645MS 2149510MB	1.) Area counts of all internal standards, surrogates and target compounds in the midpoint standard were >2x the area counts in the other initial calibration standards analyzed 5/31/02.	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032C644 C032C645 C032C647 C032C634 C032C637 C032C638 C032C645MS 2149510MB	2.) Area counts of all internal standards, surrogates and target compounds in the continuing calibration were >2x the area counts in the initial calibration standards analyzed 5/31/02 except the midpoint standard.	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032C644 C032C645 C032C647 C032C634 C032C637 C032C638 C032C645MS 2149510MB	3.) Area counts of all internal standards of the continuing calibration were >2x the area counts in all samples and method blanks as applicable.	All TCL compounds	J (all detects) UJ (all non-detects)	P

The laboratory indicated that the area counts were extremely high for all internal standards, surrogates and target compounds in the midpoint standard of the initial calibration and continuing calibration standards because the standard solution used to prepare these standards has concentrated.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C644 and C032C645, samples C032C633 and C032C634 and samples C032C622 and C032C623 (from SDG G2E290161) were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C644	C032C645	
Acenaphthene	1.1	1.3	17
Acenaphthylene	1.1	5.3U	200
Anthracene	2.6	2.1	21
Benzo(a)anthracene	2.5	2.4	4
Benzo(b)fluoranthene	6.8	5.3U	200
Benzo(k)fluoranthene	2.2	5.3U	200
Benzo(g,h,i)perylene	16	21	27
Benzo(a)pyrene	6.4	6.2	3
Chrysene	8.8	6.7	27
Dibenz(a,h)anthracene	2.3	5.3U	200
Fluoranthene	6.3	1.9	107

Compound	Concentration (ug/Kg)		RPD
	C032C644	C032C645	
2-Methylnaphthalene	2.0	1.2	50
Naphthalene	2.6	0.96	92
Phenanthrene	5.9	1.7	110
Pyrene	8.4	3.6	80
Fluorene	5.3U	1.2	200

Compound	Concentration (ug/Kg)		RPD
	C032C633	C032C634	
Acenaphthene	57	89	44
Acenaphthylene	89	41	74
Anthracene	390	15	185
Benzo(a)anthracene	76	27	95
Benzo(b)fluoranthene	63	28	77
Benzo(k)fluoranthene	55	39	34
Benzo(g,h,i)perylene	78	24	106
Benzo(a)pyrene	77	23	108
Chrysene	93	34	93
Fluoranthene	220	140	44
Fluorene	66	43	42
Dibenzofuran	82	22	115
2-Methylnaphthalene	760	130	142

Compound	Concentration (ug/Kg)		RPD
	C032C633	C032C634	
Naphthalene	830	110	153
Phenanthrene	370	140	90
Pyrene	310	150	70

Compound	Concentration (ug/Kg)		RPD
	C032C622	C032C623	
Anthracene	110U	0.68	200
Benzo(a)anthracene	110U	0.80	200
Benzo(b)fluoranthene	110U	3.8	200
2,4-Dinitrophenol	110U	2.5	200
Benzo(g,h,i)perylene	24	19	23
Benzo(a)pyrene	110U	3.5	200
Chrysene	110U	1.4	200
Dibenz(a,h)anthracene	4.8	2.7	56
Fluoranthene	110U	1.4	200
Indeno(1,2,3-cd)pyrene	110U	5.8	200
2-Methylnaphthalene	110U	0.49	200
Naphthalene	110U	0.37	200
Phenanthrene	110U	0.85	200
Pyrene	110U	1.9	200

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E290159

SDG	Sample	Compound	Flag	A or P	Reason
G2E290159	C032C646 C032C636	Naphthalene Acenaphthene	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E290159	C032C644 C032C645 C032C646 C032C647 C032C630 C032C631 C032C632 C032C633 C032C634 C032C635 C032C636 C032C637 C032C638 C032C621 C032C622	Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)
G2E290159	C032C644 C032C645 C032C647 C032C634 C032C637 C032C638	All TCL compounds	J (all detects) UJ (all non-detects)	P	Internal standards

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E290159

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E290159

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 28, 2002

LDC Report Date: June 28, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E290161

Sample Identification

C032C623
C032C624
C032C625
C032C643
C032C714
C032C715
C032C716
C032C717
C032C718
C032C727
C032C728
C032C729
C032C731
C032CC03
C032CC04
C032C624MS
C032C624MSD

Introduction

This data review covers 17 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs) .

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR19 and C032CR19RE (from SDG G2E290166) were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR19	5/28/02	2-Methylnaphthalene Naphthalene	4.3 ng/L 13 ng/L	All samples in SDG G2E290161
C032CR19RE	5/28/02	2-Methylnaphthalene Naphthalene	3.8 ng/L 9.4 ng/L	All samples in SDG G2E290161

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C624	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12 Perylene-d12	282896 (308090-1232362) 187643 (193414-773656) 233364 (247466-989866) 217707 (230153-920614) 198255 (203526-814102)	All TCL compounds	J (all detects) UJ (all non-detects)	A
C032C715	Naphthalene-d8 Perylene-d12	282275 (308090-1232362) 191244 (203526-814102)	Naphthalene 2-Methylnaphthalene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P
C032C717	Naphthalene-d8	263239 (308090-1232362)	Naphthalene 2-Methylnaphthalene	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P
C032C728	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10 Perylene-d12	252163 (308090-1232362) 184952 (193414-773656) 238514 (247466-989866) 191672 (203526-814102)	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P
C032C729	Naphthalene-d8 Perylene-d12	276970 (308090-1232362) 230209 (203526-814102)	Naphthalene 2-Methylnaphthalene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P

Several problems related to the initial calibration and continuing calibration internal standards were identified.

Sample	Finding	Associated Compound	Flag	A or P
C032C625 C032C717 C032C718 C032C727 C032C731 C032CC03 C032CC04 2149511MB	1.) Area counts of all internal standards, surrogates and target compounds in the midpoint standard were >2x the area counts in the other initial calibration standards analyzed 5/31/02.	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032C625 C032C717 C032C718 C032C727 C032C731 C032CC03 C032CC04 2149511MB	2.) Area counts of all internal standards, surrogates and target compounds in the continuing calibration were >2x the area counts in the initial calibration standards analyzed 5/31/02 except the midpoint standard.	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032C625 C032C717 C032C718 C032C727 C032C731 C032CC03 C032CC04 2149511MB	3.) Area counts of all internal standards of the continuing calibration were >2x the area counts in all samples and method blanks as applicable.	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032C625 C032C717 C032C718 C032C727 C032C731 C032CC03 C032CC04 2149511MB	4.) The 100 ng/mL standard of the initial calibration was analyzed after the samples.	All TCL compounds	J (all detects) UJ (all non-detects)	P

The laboratory indicated that the area counts were extremely high for all internal standards, surrogates and target compounds in the midpoint standard of the initial calibration and continuing calibration standards because the standard solution used to prepare these standards has concentrated.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C623 and C032C622 (from SDG G2E290159), samples C032C717 and C032C718 and samples C032C728 and C032C729 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C622	C032C623	
Anthracene	110U	0.68	200
Benzo(a)anthracene	110U	0.80	200
Benzo(b)fluoranthene	110U	3.8	200
2,4-Dinitrophenol	110U	2.5	200
Benzo(g,h,i)perylene	24	19	23
Benzo(a)pyrene	110U	3.5	200
Chrysene	110U	1.4	200
Dibenz(a,h)anthracene	4.8	2.7	56
Fluoranthene	110U	1.4	200
Indeno(1,2,3-cd)pyrene	110U	5.8	200
2-Methylnaphthalene	110U	0.49	200

Compound	Concentration (ug/Kg)		RPD
	C032C622	C032C623	
Naphthalene	110U	0.37	200
Phenanthrene	110U	0.85	200
Pyrene	110U	1.9	200

Compound	Concentration (ug/Kg)		RPD
	C032C717	C032C718	
Benzo(a)anthracene	2.5	1.4	56
Benzo(b)fluoranthene	1.7	1.1	43
Benzo(k)fluoranthene	3.1	1.7	58
Benzo(g,h,i)perylene	3.9	3.3	17
Benzo(a)pyrene	4.2	2.3	58
Chrysene	2.4	1.1	74
Fluoranthene	3.3	1.9	54
Indeno(1,2,3-cd)pyrene	3.5	0.97	113
Naphthalene	0.42	6.1U	200
Phenanthrene	1.5	1.2	22
Pyrene	4.4	2.6	51

Compound	Concentration (ug/Kg)		RPD
	C032C728	C032C729	
Acenaphthylene	46	45	2
Anthracene	41	44	7

Compound	Concentration (ug/Kg)		RPD
	C032C728	C032C729	
Benzo(a)anthracene	120	110	9
Benzo(b)fluoranthene	170	110	43
Benzo(k)fluoranthene	120	170	34
Benzo(g,h,i)perylene	110	110	0
Benzo(a)pyrene	110	110	0
Chrysene	170	170	0
Dibenz(a,h)anthracene	34	33	3
Fluoranthene	110	130	17
Fluorene	5.1	4.6	10
Indeno(1,2,3-cd)pyrene	92	93	1
2-Methylnaphthalene	13	13	0
Naphthalene	20	19	5
Phenanthrene	57	85	39
Pyrene	220	250	14

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E290161

SDG	Sample	Compound	Flag	A or P	Reason
G2E290161	C032C624	All TCL compounds	J (all detects) UJ (all non-detects)	A	Internal standards (area)
G2E290161	C032C715 C032C729	Naphthalene 2-Methylnaphthalene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E290161	C032C717	Naphthalene 2-Methylnaphthalene	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E290161	C032C728	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E290161	C032C625 C032C717 C032C718 C032C727 C032C731 C032CC03 C032CC04	All TCL compounds	J (all detects) UJ (all non-detects)	P	Internal standards

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E290161

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E290161

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 28 through May 31, 2002

LDC Report Date: June 27, 2002

Matrix: Water

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E290166

Sample Identification

C032CR19
C032CR19RE
C032CR20
C032CR20RE
C032CR21
C032CR21RE
C032CR22
C032CR22RE

Introduction

This data review covers 8 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met with the following exceptions:

Sample	Compound	Total Days From Sample Collection Until Extraction	Required Holding Time (in Days) From Sample Collection Until Extraction	Flag	A or P
C032CR19RE	All TCL compounds	9	7	J (all detects) UJ (all non-detects)	A
C032CR20RE	All TCL compounds	8	7	J (all detects) UJ (all non-detects)	A

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs) with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
6/7/02	Benzo(a)pyrene	49.8	C032CR19RE C032CR20RE C032CR21RE C032CR22RE 2158347MB	J (all detects) UJ (all non-detects)	P

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
6/7/02	Chrysene Benzo(b)fluoranthene	37.4 28.2	C032CR19RE C032CR20RE C032CR21RE C032CR22RE 2158347MB	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Extraction Date	Compound TIC (RT in minutes)	Concentration	Associated Samples
2152124MB	6/1/02	Benzo(a)pyrene Fluoranthene Indeno(1,2,3-cd)pyrene Naphthalene Pyrene	51 ng/L 13 ng/L 40 ng/L 3.3 ng/L 20 ng/L	C032CR19 C032CR20 C032CR21 C032CR22
2158347MB	6/6/02	Naphthalene	1.9 ng/L	C032CR19RE C032CR20RE C032CR21RE C032CR22RE

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Compound TIC (RT in minutes)	Reported Concentration	Modified Final Concentration
C032CR19	Naphthalene	13 ng/L	47U ng/L
C032CR20	Naphthalene	6.0 ng/L	48U ng/L
C032CR21	Naphthalene	15 ng/L	52U ng/L
C032CR22	Naphthalene	4.7 ng/L	48U ng/L
C032CR19RE	Naphthalene	9.4 ng/L	50U ng/L
C032CR20RE	Naphthalene	3.3 ng/L	50U ng/L
C032CR21RE	Naphthalene	2.7 ng/L	50U ng/L
C032CR22RE	Naphthalene	5.9 ng/L	50U ng/L

Samples C032CR19, C032CR19RE, C032CR20, C032CR20RE, C032CR21, C032CR21RE, C032CR22 and C032CR22RE were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR19	5/28/02	Naphthalene 2-Methylnaphthalene	13 ng/L 4.3 ng/L	No associated samples in this SDG
C032CR19RE	5/28/02	Naphthalene 2-Methylnaphthalene	9.4 ng/L 3.8 ng/L	No associated samples in this SDG
C032CR20	5/29/02	Naphthalene	6.0 ng/L	No associated samples in this SDG
C032CR20RE	5/29/02	Naphthalene	3.3 ng/L	No associated samples in this SDG
C032CR21	5/30/02	Naphthalene	15 ng/L	No associated samples in this SDG
C032CR21RE	5/30/02	Naphthalene	2.7 ng/L	No associated samples in this SDG
C032CR22	5/31/02	Naphthalene	4.7 ng/L	No associated samples in this SDG

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR22RE	5/31/02	Naphthalene 2-Methylnaphthalene	5.9 ng/L 3.2 ng/L	No associated samples in this SDG

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Flag	A or P
2158347LCS/D (C032CR19RE C032CR20RE C032CR21RE C032CR22RE 2158347MB)	Chrysene	-	150 (30-140)		J (all detects)	P
2158347LCS/D (C032CR19RE C032CR20RE C032CR21RE C032CR22RE 2158347MB)	Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene	- -	- -	32 (≤30) 54 (≤30)	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032CR19RE C032CR20RE C032CR21RE C032CR22RE	All TCL compounds	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E290166

SDG	Sample	Compound	Flag	A or P	Reason
G2E290166	C032CR19RE C032CR20RE	All TCL compounds	J (all detects) UJ (all non-detects)	A	Technical holding times
G2E290166	C032CR19RE C032CR20RE C032CR21RE C032CR22RE	Chrysene Benzo(b)fluoranthene Benzo(a)pyrene	J (all detects) UJ (all non-detects)	P	Continuing calibration (%D)
G2E290166	C032CR19RE C032CR20RE C032CR21RE C032CR22RE	Chrysene	J (all detects)	P	Laboratory control samples (%R)
G2E290166	C032CR19RE C032CR20RE C032CR21RE C032CR22RE	Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P	Laboratory control samples (RPD)
G2E290166	C032CR19RE C032CR20RE C032CR21RE C032CR22RE	All TCL compounds	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E290166

SDG	Sample	Compound TIC (RT in minutes)	Modified Final Concentration	A or P
G2E290166	C032CR19	Naphthalene	47U ng/L	A
G2E290166	C032CR20	Naphthalene	48U ng/L	A
G2E290166	C032CR21	Naphthalene	52U ng/L	A
G2E290166	C032CR22	Naphthalene	48U ng/L	A
G2E290166	C032CR19RE	Naphthalene	50U ng/L	A
G2E290166	C032CR20RE	Naphthalene	50U ng/L	A
G2E290166	C032CR21RE	Naphthalene	50U ng/L	A

SDG	Sample	Compound TIC (RT in minutes)	Modified Final Concentration	A or P
G2E290166	C032CR22RE	Naphthalene	50U ng/L	A

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E290166

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 29, 2002

LDC Report Date: June 29, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E300175

Sample Identification

C032C564
C032C564DL
C032C565
C032C566
C032C567
C032C596
C032C597
C032C598
C032C608
C032C609
C032C610
C032C611
C032C612
C032C542
C032C543
C032C544
C032C564MS
C032C564MSD

Introduction

This data review covers 18 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs) with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
6/7/02	Benzo(a)pyrene	49.8	C032C564DL	J (all detects) UJ (all non-detects)	P

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
6/7/02	Chrysene	37.4	C032C564DL	J (all detects) UJ (all non-detects)	P
	Benzo(b)fluoranthene	28.2		J (all detects) UJ (all non-detects)	

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR20 and C032CR20RE (from SDG G2E290166) were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR20	5/29/02	Naphthalene	6.0 ng/L	All samples in SDG G2E290159
C032CR20RE	5/29/02	Naphthalene	3.3 ng/L	All samples in SDG G2E290159

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Recalculated results confirm the reported results with the following exceptions:

Spike ID (Associated Samples)	Compound	Reported (RPD)	Recalculated (RPD)	Flag	A or P
C032C564MS/MSD (All samples in SDG G2E300175)	Phenanthrene Dibenz(a,h)anthracene	0 0	34 35	None None	P

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032C564MS/MSD (All samples in SDG G2E300175)	Naphthalene 2-Methylnaphthalene Acenaphthene Fluorene Phenanthrene Anthracene	- - - - - -	- - - - - 28 (30-150)	38 (≤30) 57 (≤30) 39 (≤30) 50 (≤30) 34 (≤30) 43 (≤30)	J (all detects) UJ (all non-detects)	A
C032C564MS/MSD (All samples in SDG G2E300175)	Dibenz(a,h)anthracene	41 (30-150)	0.0 (30-150)	35 (≤30)	J (all detects) R (all non-detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C564DL	Phenanthrene-d10	501734 (109487-437948)	Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) J (all detects) J (all detects) J (all detects)	A
2150505MB	Phenanthrene-d10 Chrysene-d12 Perylene-d12 Acenaphthene-d10	68048 (69233-276932) 49511 (57283-229134) 44853 (51102-204410) 181151 (193414-773656)	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene Fluorene	J (all detects) UJ (all non-detects)	A
C032C564	Perylene-d12	34109 (51102-204410)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A
C032C565	Perylene-d12	30201 (51102-204410)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A
C032C566	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12 Perylene-d12	83308 (89304 -357216) 51606 (54456-217826) 68689 (69233-276932) 40363 (57283-229134) 23427 (51102-204410)	All TCL compounds except Fluorene	J (all detects) UJ (all non-detects)	A
C032C567	Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12 Perylene-d12	51125 (54456-217826) 61980 (69233-276932) 53733 (57283-229134) 48551 (51102-204410)	Acenaphthylene Acenaphthene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A
C032C567	Acenaphthene-d10	234006 (261442-1045770)	Fluorene	J (all detects) UJ (all non-detects)	A

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C596	Perylene-d12 Acenaphthene-d10	48549 (51102-204410) 201539 (261442-1045770)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene Fluorene	J (all detects) UJ (all non-detects)	A
C032C597	Acenaphthene-d10	174408 (261442-1045770)	Fluorene	J (all detects) UJ (all non-detects)	A
C032C598	Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12 Perylene-d12	53685 (54456-217826) 64925 (69233-276932) 53244 (57283-229134) 44488 (51102-204410)	Acenaphthylene Acenaphthene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A
C032C598	Acenaphthene-d10	208156 (261442-1045770)	Fluorene	J (all detects) UJ (all non-detects)	A
C032C608	Chrysene-d12 Perylene-d12	55344 (57283-229134) 46864 (51102-204410)	Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A
C032C609	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12 Perylene-d12	68109 (89304 -357216) 41557 (54456-217826) 54305 (69233-276932) 41715 (57283-229134) 37965 (51102-204410)	All TCL compounds except Fluorene	J (all detects) UJ (all non-detects)	A
C032C610	Chrysene-d12 Perylene-d12 Acenaphthene-d10	56579 (57283-229134) 50260 (51102-204410) 226571 (261442-1045770)	Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene Fluorene	J (all detects) UJ (all non-detects)	A

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C611	Acenaphthene-d10	260837 (261442-1045770)	Fluorene	J (all detects) UJ (all non-detects)	A
C032C612	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12 Perylene-d12	72829 (89304 -357216) 47883 (54456-217826) 59596 (69233-276932) 45896 (57283-229134) 40533 (51102-204410)	All TCL compounds except Fluorene	J (all detects) UJ (all non-detects)	A
C032C612	Acenaphthene-d10	200247 (261442-1045770)	Fluorene	J (all detects) UJ (all non-detects)	A
C032C542	Chrysene-d12 Perylene-d12 Acenaphthene-d10	51593 (57283-229134) 30626 (51102-204410) 236602 (261442-1045770)	Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene Fluorene	J (all detects) UJ (all non-detects)	A
C032C543	Perylene-d12	36074 (51102-204410)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A

Several problems related to the initial calibration and continuing calibration internal standards were identified.

Sample	Finding	Associated Compound	Flag	A or P
C032C544	1.) Area counts of all internal standards, surrogates and target compounds in the midpoint standard were >2x the area counts in the other initial calibration standards analyzed 6/4/02.	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032C544	2.) Area counts of all internal standards, surrogates and target compounds in the continuing calibration were >2x the area counts in the initial calibration standards analyzed 6/4/02 except the midpoint standard.	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032C544	3.) Area counts of the continuing calibration were >2x the area counts in all samples and method blanks as applicable.	All TCL compounds	J (all detects) UJ (all non-detects)	P

The laboratory indicated that the area counts were extremely high for all internal standards, surrogates and target compounds in the midpoint standard of the initial calibration and continuing calibration standards because the standard solution used to prepare these standards has concentrated.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032C564	Benzo(b)fluoranthene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032C564	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R R R R R R	A

Sample	Compound	Flag	A or P
C032C564DL	All TCL compounds except Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C611 and C032C612 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C611	C032C612	
Anthracene	6.0U	0.69	200
Benzo(a)anthracene	2.9	4.0	32
Benzo(b)fluoranthene	8.9	8.4	6
Benzo(k)fluoranthene	4.6	8.0	54
Benzo(g,h,i)perylene	10	9.1	9
Benzo(a)pyrene	7.7	8.4	9
Chrysene	3.3	4.6	33
Dibenz(a,h)anthracene	1.1	0.81	30
Fluoranthene	4.9	4.3	13
Fluorene	6.0U	2.0	200
Indeno(1,2,3-cd)pyrene	8.1	7.5	8
2-Methylnaphthalene	0.68	0.61	11

Compound	Concentration (ug/Kg)		RPD
	C032C611	C032C612	
Naphthalene	0.73	0.77	5
Phenanthrene	1.3	1.3	0
Pyrene	15	35	80

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E300175

SDG	Sample	Compound	Flag	A or P	Reason
G2E300175	C032C564DL	Benzo(a)pyrene Chrysene Benzo(b)fluoranthene	J (all detects) UJ (all non-detects)	P	Continuing calibration (%D)
G2E300175	C032C564 C032C564DL C032C565 C032C566 C032C567 C032C596 C032C597 C032C598 C032C608 C032C609 C032C610 C032C611 C032C612 C032C542 C032C543 C032C544	Phenanthrene Dibenz(a,h)anthracene	None None	P	Matrix spike/Matrix spike duplicates
G2E300175	C032C564 C032C564DL C032C565 C032C566 C032C567 C032C596 C032C597 C032C598 C032C608 C032C609 C032C610 C032C611 C032C612 C032C542 C032C543 C032C544	Naphthalene 2-Methylnaphthalene Acenaphthene Fluorene Phenanthrene Anthracene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)(RPD)
G2E300175	C032C564 C032C564DL C032C565 C032C566 C032C567 C032C596 C032C597 C032C598 C032C608 C032C609 C032C610 C032C611 C032C612 C032C542 C032C543 C032C544	Dibenz(a,h)anthracene	J (all detects) R (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)(RPD)

SDG	Sample	Compound	Flag	A or P	Reason
G2E300175	C032C564DL	Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) J (all detects) J (all detects) J (all detects)	A	Internal standards (area)
G2E300175	C032C564 C032C565 C032C543	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
G2E300175	C032C566 C032C609 C032C612	All TCL compounds except Fluorene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
G2E300175	C032C567 C032C598	Acenaphthylene Acenaphthene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
G2E300175	C032C567 C032C597 C032C598 C032C611 C032C612	Fluorene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
G2E300175	C032C596	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene Fluorene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
G2E300175	C032C608	Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Internal standards (area)

SDG	Sample	Compound	Flag	A or P	Reason
G2E300175	C032C610 C032C542	Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene Fluorene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
G2E300175	C032C544	All TCL compounds	J (all detects) UJ (all non-detects)	P	Internal standards
G2E300175	C032C564	Benzo(b)fluoranthene	J (all detects)	A	Compound quantitation and CRQLs
G2E300175	C032C564	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R R R R R R	A	Overall assessment of data
G2E300175	C032C564DL	All TCL compounds except Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E300175

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E300175

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 29, 2002

LDC Report Date: July 1, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E300183

Sample Identification

C032CC73	C032CB89
C032CC73DL	C032C595
C032CC74	C032CC71MS
C032CC74DL	C032CC71MSD
C032CC75	
C032CC76	
C032CC77	
C032CC69	
C032CC70	
C032CC71	
C032CC72	
C032CC72DL	
C032CB85	
C032CB85DL	
C032CB86	
C032CB86DL	
C032CB87	
C032CB87DL	
C032CB88	
C032CB88DL	

Introduction

This data review covers 24 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs) with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
6/7/02	Chrysene Benzo(b)fluoranthene Benzo(a)pyrene	-37.4 28.2 49.8	C032CC74DL C032CC72DL C032CB85DL C032CB86DL C032CB87DL C032CB88DL	J (all detects) UJ (all non-detects)	P

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
6/2/02	Naphthalene	26.1	C032CC73 C032CB89	J (all detects) UJ (all non-detects)	A
	Benzo(b)fluoranthene	27.1	C032C595	J (all detects) UJ (all non-detects)	

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR20 and C032CR20RE (both from SDG G2E290166) were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR20	5/29/02	Naphthalene	6.0 ng/L	All samples in SDG G2E300183
C032CR20RE	5/29/02	Naphthalene	3.3 ng/L	All samples in SDG G2E300183

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for several samples. Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable.

Recalculated results confirm the reported results with the following exceptions:

Spike ID (Associated Samples)	Compound	Reported (RPD)	Recalculated (RPD)	Flag	A or P
C032CC71MS/MSD (All samples in SDG G2E300183)	Fluoranthene	0	128	None	P
	Pyrene	0	134	None	
	Benzo(a)anthracene	0	106	None	
	Chrysene	0	98	None	
	Benzo(b)fluoranthene	0	85	None	
	Benzo(k)fluoranthene	0	71	None	
	Benzo(a)pyrene	0	88	None	
	Indeno(1,2,3-cd)pyrene	0	52	None	
	Benzo(g,h,i)perylene	0	54	None	

Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032CC71MS/MSD (All samples in SDG G2E300183)	Acenaphthylene	-	-	31 (≤30)	J (all detects)	A
	Fluorene	-	-	42 (≤30)	UJ (all non-detects)	
	Phenanthrene	8.9 (30-150)	604 (30-150)	151 (≤30)		
	Anthracene	55 (30-150)	195 (30-150)	100 (≤30)		
	Fluoranthene	-	-	128 (≤30)		
	Pyrene	-	-	134 (≤30)		
	Benzo(a)pyrene	-	-	88 (≤30)		
	Dibenz(a,h)anthracene	-	-	39 (≤30)		
	Benzo(g,h,i)perylene	-	-	54 (≤30)		
C032CC71MS/MSD (All samples in SDG G2E300183)	Benzo(a)anthracene	0.0 (30-150)	241 (30-150)	106 (≤30)	J (all detects)	A
	Chrysene	0.0 (30-150)	226 (30-150)	98 (≤30)	R (all non-detects)	
	Benzo(b)fluoranthene	0.0 (30-150)	-	85 (≤30)		
	Benzo(k)fluoranthene	0.0 (30-150)	-	71 (≤30)		
	Indeno(1,2,3-cd)pyrene	0.0 (30-150)	-	52 (≤30)		

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
2150509MB	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12 Perylene-d12	284737 (300930-1203718) 186128 (210618-842472) 252067 (347898-1391590) 174818 (313168-1252674) 156932 (299806-1199224)	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032CC76	Phenanthrene-d10 Chrysene-d12 Perylene-d12	345543 (347898-1391590) 296639 (313168-1252674) 282659 (299806-1199224)	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P
C032CC77	Phenanthrene-d10 Chrysene-d12 Perylene-d12	326480 (347898-1391590) 238038 (313168-1252674) 219657 (299806-1199224)	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P
C032CC69	Phenanthrene-d10	344482 (347898-1391590)	Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) UJ (all non-detects)	P
C032CC70	Perylene-d12	285109 (299806-1199224)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P
C032CB86	Perylene-d12	298240 (299806-1199224)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A
C032CB88	Phenanthrene-d10	325973 (347898-1391590)	Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) UJ (all non-detects)	A

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032CC73	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12 Perylene-d12	333714 (487363-1949452) 202373 (304225-1216900) 285084 (435362-1741448) 305795 (410269-1641076) 270210 (399481-1597924)	All TCL compounds	J (all detects) UJ (all non-detects)	A
C032CB89	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10	433575 (487363-1949452) 242867 (304225-1216900) 371895 (435362-1741448)	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) UJ (all non-detects)	P
C032C595	Perylene-d12	248583 (399481-1597924)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects, UJ (all non-detects)	P
C032CB86DL	Chrysene-d12 Perylene-d12	535037 (96632-386528) 540311 (98934-395736)	Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A
C032CB88DL	Chrysene-d12 Perylene-d12	430385 (96632-386528) 397306 (98934-395736)	Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032CC73 C032CB86 C032CB88	Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	A
C032CC74	Fluoranthene Phenanthrene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects)	A
C032CC72 C032CB85 C032CB87	Fluoranthene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032CC73	All TCL compounds except Acenaphthene Fluorene	R	A
C032CC73DL	Acenaphthene Fluorene	R R	A
C032CC74	Fluoranthene Phenanthrene Pyrene	R R R	A
C032CC74DL	All TCL compounds except Fluoranthene Phenanthrene Pyrene	R	A

Sample	Compound	Flag	A or P
C032CC72 C032CB85 C032CB87	Fluoranthene Pyrene	R R	A
C032CC72DL C032CB85DL C032CB87DL	All TCL compounds except Fluoranthene Pyrene	R	A
C032CB86 C032CB88	Pyrene	R	A
C032CB86DL C032CB88DL	All TCL compounds except Pyrene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032CC74 and C032CC75, samples C032CC74DL and C032CC75, samples C032CB86 and C032CB87, and samples C032CB86DL and C032CB87DL were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032CC74	C032CC75	
Acenaphthene	8.1	5.4U	200
Acenaphthylene	27	5.4U	200
Anthracene	30	5.4U	200
Benzo(a)anthracene	140	3.2	191
Benzo(b)fluoranthene	150	4.9	187
Benzo(k)fluoranthene	110	3.4	188
Benzo(g,h,i)perylene	160	7.9	181
Benzo(a)pyrene	180	5.8	188
Chrysene	130	3.6	189

Compound	Concentration (ug/Kg)		RPD
	C032CC74	C032CC75	
Dibenz(a,h)anthracene	28	0.92	187
Fluoranthene	680	7.2	196
Fluorene	4.3	5.4U	200
Indeno(1,2,3-cd)pyrene	130	5.1	185
2-Methylnaphthalene	0.82	5.4U	200
Naphthalene	6.2	5.1	200
Phenanthrene	280	5.4U	197
Pyrene	780	5.4U	195

Compound	Concentration (ug/Kg)		RPD
	C032CC74DL	C032CC75	
Acenaphthene	8.5	5.4U	200
Acenaphthylene	28	5.4U	200
Anthracene	54	5.4U	200
Benzo(a)anthracene	100	3.2	188
Benzo(b)fluoranthene	170	4.9	189
Benzo(k)fluoranthene	110	3.4	188
Benzo(g,h,i)perylene	80	7.9	164
Benzo(a)pyrene	220	5.8	190
Chrysene	220	3.6	194
Dibenz(a,h)anthracene	13	0.92	174

Compound	Concentration (ug/Kg)		RPD
	C032CC74DL	C032CC75	
Fluoranthene	740	7.2	196
Indeno(1,2,3-cd)pyrene	99	5.1	180
Naphthalene	8.0	5.4U	200
Phenanthrene	280	1.8	197
Pyrene	850	1.0	195

Compound	Concentration (ug/Kg)		RPD
	C032CB86	C032CB87	
Acenaphthene	3.1	5.0	47
Acenaphthylene	19	24	23
Anthracene	21	27	25
Benzo(a)anthracene	95	110	15
Benzo(b)fluoranthene	100	130	26
Benzo(k)fluoranthene	83	93	11
Benzo(g,h,i)perylene	120	140	15
Benzo(a)pyrene	130	150	14
Chrysene	100	120	18
Dibenz(a,h)anthracene	21	25	17
Fluoranthene	260	330	24
Fluorene	5.7	8.2	36
Indeno(1,2,3-cd)pyrene	99	120	19

Compound	Concentration (ug/Kg)		RPD
	C032CB86	C032CB87	
2-Methylnaphthalene	0.88	1.5	52
Naphthalene	3.6	4.8	29
Phenanthrene	130	170	27
Pyrene	310	390	23

Compound	Concentration (ug/Kg)		RPD
	C032CB86DL	C032CB87DL	
Acenaphthene	3.8	5.4	35
Acenaphthylene	23	29	23
Anthracene	38	46	19
Benzo(a)anthracene	68	87	24
Benzo(b)fluoranthene	120	160	29
Benzo(k)fluoranthene	63	70	10
Benzo(g,h,i)perylene	93	92	1
Benzo(a)pyrene	140	190	30
Chrysene	160	220	32
Dibenz(a,h)anthracene	15	17	12
Fluoranthene	330	390	17
Fluorene	7.6	10	27
Indeno(1,2,3-cd)pyrene	100	120	18
2-Methylnaphthalene	1.3	1.7	27

Compound	Concentration (ug/Kg)		RPD
	C032CB86DL	C032CB87DL	
Naphthalene	5.8	7.5	26
Phenanthrene	130	190	38
Pyrene	400	480	18

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Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E300183

SDG	Sample	Compound	Flag	A or P	Reason
G2E300183	C032CC74DL C032CC72DL C032CB85DL C032CB86DL C032CB87DL C032CB88DL	Chrysene Benzo(b)fluoranthene Benzo(a)pyrene	J (all detects) UJ (all non-detects)	P	Continuing calibration (%D)
G2E300183	C032CC73 C032CB89 C032C595	Naphthalene Benzo(b)fluoranthene	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E300183	C032CC73 C032CC73DL C032CC74 C032CC74DL C032CC75 C032CC76 C032CC77 C032CC69 C032CC70 C032CC71 C032CC72 C032CC72DL C032CB85 C032CB85DL C032CB86 C032CB86DL C032CB87 C032CB87DL C032CB88 C032CB88DL C032CB89 C032C595	Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	None None None None None None None None None	P	Matrix spike/Matrix spike duplicates (RPD recalculation)

SDG	Sample	Compound	Flag	A or P	Reason
G2E300183	C032CC73 C032CC73DL C032CC74 C032CC74DL C032CC75 C032CC76 C032CC77 C032CC69 C032CC70 C032CC71 C032CC72 C032CC72DL C032CB85 C032CB85DL C032CB86 C032CB86DL C032CB87 C032CB87DL C032CB88 C032CB88DL C032CB89 C032C595	Acenaphthylene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)(RPD)
G2E300183	C032CC73 C032CC73DL C032CC74 C032CC74DL C032CC75 C032CC76 C032CC77 C032CC69 C032CC70 C032CC71 C032CC72 C032CC72DL C032CB85 C032CB85DL C032CB86 C032CB86DL C032CB87 C032CB87DL C032CB88 C032CB88DL C032CB89 C032C595	Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	J (all detects) R (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)(RPD)
G2E300183	C032CC76 C032CC77	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P	Internal standards (area)

SDG	Sample	Compound	Flag	A or P	Reason
G2E300183	C032CC69	Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E300183	C032CC70 C032C595	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P	Internal standards
G2E300183	C032CB86	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Internal standards
G2E300183	C032CB88	Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) UJ (all non-detects)	A	Internal standards
G2E300183	C032CC73	All TCL compounds	J (all detects) UJ (all non-detects)	A	Internal standards
G2E300183	C032CB89	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) UJ (all non-detects)	P	Internal standards
G2E300183	C032CB86DL C032CB88DL	Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Internal standards
G2E300183	C032CC73 C032CB86 C032CB88	Pyrene	J (all detects)	A	Compound quantitation and CRQLs
G2E300183	C032CC74	Fluoranthene Phenanthrene Pyrene	J (all detects) J (all detects) J (all detects)	A	Compound quantitation and CRQLs

SDG	Sample	Compound	Flag	A or P	Reason
G2E300183	C032CC72 C032CB85 C032CB87	Fluoranthene Pyrene	J (all detects) J (all detects)	A	Compound quantitation and CRQLs
G2E300183	C032CC73	All TCL compounds except Acenaphthene Fluorene	R	A	Overall assessment of data
G2E300183	C032CC73DL	Acenaphthene Fluorene	R R	A	Overall assessment of data
G2E300183	C032CC74	Fluoranthene Phenanthrene Pyrene	R R R	A	Overall assessment of data
G2E300183	C032CC74DL	All TCL compounds except Fluoranthene Phenanthrene Pyrene	R	A	Overall assessment of data
G2E300183	C032CC72 C032CB85 C032CB87	Fluoranthene Pyrene	R R	A	Overall assessment of data
G2E300183	C032CC72DL C032CB85DL C032CB87DL	All TCL compounds except Fluoranthene Pyrene	R	A	Overall assessment of data
G2E300183	C032CB86 C032CB88	Pyrene	R	A	Overall assessment of data
G2E300183	C032CB86DL C032CB88DL	All TCL compounds except Pyrene	R	A	Overall assessment of data

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Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E300183

No Sample Data Qualified in this SDG

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Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E300183

No Sample Data Qualified in this SDG

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Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E300183

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 29, 2002

LDC Report Date: July 2, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E300186

Sample Identification

C032C545
C032C555
C032C556
C032C555MS
C032C555MSD

Introduction

This data review covers 5 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs) .

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
6/2/02	Naphthalene	26.1	C032C545	J (all detects) UJ (all non-detects)	A
	Benzo(b)fluoranthene	27.1		J (all detects) UJ (all non-detects)	

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR20 and C032CR20RE (from SDG G2E290166) were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR20	5/29/02	Naphthalene	6.0 ng/L	All samples in SDG G2E300186
C032CR20RE	5/29/02	Naphthalene	3.3 ng/L	All samples in SDG G2E300186

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for samples C032C555 and C032C556 . Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were not within QC limits. Since the samples were diluted out, no data were qualified.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
2150511MB	Phenanthrene-d10 Chrysene-d12 Perylene-d12	327136 (347898-1391590) 241363 (313169-1252674) 217410 (299806-1199224)	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P
C032C545	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12 Chrysene-d12	404761 (487363-1949452) 250236 (304225-1216900) 383821 (435362-1741450) 377455 (410269-1641076) 377136 (399481-1597924)	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032C555	Phenanthrene-d10 Chrysene-d12	268980 (64628-258512) 322233 (72396-289584)	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A
C032C556	Phenanthrene-d10 Chrysene-d12 Perylene-d12	282802 (64628-258512) 371142 (72396-289584) 306113 (62691-250766)	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	P

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E300186

SDG	Sample	Compound	Flag	A or P	Reason
G2E300186	C032C545	Naphthalene Benzo(b)fluoranthene	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
G2E300186	C032C545	All TCL compounds	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E300186	C032C555	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Internal standards (area)
G2E300186	C032C556	Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	P	Internal standards (area)

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E300186

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E300186

No Sample Data Qualified in this SDG

LDC Report# 8663M2

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 31, 2002

LDC Report Date: July 1, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level IV

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2F010144

Sample Identification

C032CC91
C032CC92
C032CC93
C032CC94
C032CC07
C032CC08
C032CC09
C032CC10
C032CC11
C032C528
C032C529
C032C530
C032C531
C032C532
C032CC94MS
C032CC94MSD

Introduction

This data review covers 16 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR22 and C032CR22RE (both from SDG G2E290166) was identified as a rinsate. No polynuclear aromatic hydrocarbon contaminants were found in this blank with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C023CR22	5/31/02	Naphthalene	4.7 ng/L	All samples in SDG G2F010144
C023CR22RE	5/31/02	2-Methylnaphthalene Naphthalene	3.2 ng/L 5.9 ng/L	All samples in SDG G2F010144

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for samples C032CC93 and C032CC08. Since the samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

All target compound identifications were within validation criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was acceptable.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032CC08 and C032CC09 and samples C032C529 and C032C530 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032CC08	C032CC09	
Acenaphthene	15	5.4U	200
Acenaphthylene	53U	6.4	200
Anthracene	45	6.9	147
Benzo(a)anthracene	600	39	176
Benzo(b)fluoranthene	660	48	173
Benzo(k)fluoranthene	650	49	172
Benzo(g,h,i)perylene	270	51	136
Benzo(a)pyrene	650	68	162
Chrysene	750	50	175
Dibenz(a,h)anthracene	120	9.8	170

Compound	Concentration (ug/Kg)		RPD
	C032CC08	C032CC09	
Fluoranthene	930	96	163
Fluorene	53U	1.6	200
Indeno(1 2,3-cd)pyrene	420	62	148
2-Methylnaphthalene	6.8	1.3	136
Naphthalene	8.6	3.9	75
Phenanthrene	210	25	157
Pyrene	960	120	156

Compound	Concentration (ug/Kg)		RPD
	C032C529	C032C530	
Benzo(b)fluoranthene	0.54	5.2U	200
Benzo(g,h,i)perylene	0.60	0.42	35
Benzo(a)pyrene	0.43	0.43	0
Chrysene	0.42	5.2U	200
Fluoranthene	0.43	0.47	9
Indeno(1 2,3-cd)pyrene	0.64	5.2U	200
Pyrene	0.82	0.63	26
Phenanthrene	5.2U	0.36	200

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2F010144

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2F010144

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2F010144

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 30, 2002

LDC Report Date: June 28, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E310177

Sample Identification

C032CD53
C032CD53DL
C032CD54
C032CD54DL
C032CD55
C032CD56
C032CD57
C032CC65
C032CC66
C032CC67
C032CC68
C032C568
C032C569
C032C570
C032C571
C032C572
C032C582
C032CC65MS
C032CC65MSD
C032C570MS
C032C570MSD

Introduction

This data review covers 21 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs) with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
6/3/02	Fluoranthene	23.4	C032CD53DL C032CD54DL	None	P

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
6/3/02	Pyrene	25.9	C032CD53DL C032CD54DL	J (all detects) UJ (all non-detects)	P

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR21 and C032CR21RE (from SDG G2E310177) were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR21	5/30/02	Naphthalene	15 ug/L	All samples in SDG G2E310177
C032CR21RE	5/30/02	Naphthalene	2.7 ug/L	All samples in SDG G2E310177

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for samples C032C568, C032C571 and C032C582 . Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
C032CC65MS/MSD (All samples in SDG G2E310177)	Phenanthrene	-	-	42 (≤30)	J (all detects) UJ (all non-detects)	A
C032CC65MS/MSD (All samples in SDG G2E310177)	Fluoranthene Pyrene	- -	159 (30-150) 189 (30-150)	- -	J (all detects) J (all detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C570	Perylene-d12	391926 (96337-385348)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	P
C032CD53DL	Chrysene-d12	90275 (22230-88922)	Benzo(a)anthracene Chrysene	J (all detects) J (all detects)	A
C032CD54DL	Chrysene-d12	90442 (22230-88922)	Benzo(a)anthracene Chrysene	J (all detects) J (all detects)	A

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032CD53 C032CD54	Fluoranthene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032CD53 C032CD54	Fluoranthene Pyrene	R R	A
C032CD53DL C032CD54DL	All TCL compounds except Fluoranthene Pyrene	R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032CD56 and C032CD57 and samples C032C569 and C032C570 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032CD56	C032CD57	
Acenaphthylene	2.4	1.1	74
Anthracene	3.3	0.95	111

Compound	Concentration (ug/Kg)		RPD
	C032CD56	C032CD57	
Benzo(a)anthracene	23	11	71
Benzo(b)fluoranthene	35	15	80
Benzo(k)fluoranthene	28	13	73
Benzo(g,h,i)perylene	37	16	79
Benzo(a)pyrene	39	17	79
Chrysene	29	13	76
Dibenz(a,h)anthracene	6.1	2.7	77
Fluoranthene	49	23	72
Fluorene	1.3	5.4U	200
Indeno(1,2,3-cd)pyrene	42	17	85
2-Methylnaphthalene	9.5	5.4U	200
Naphthalene	9.3	0.75	170
Phenanthrene	19	5.8	106
Pyrene	56	26	73

Compound	Concentration (ug/Kg)		RPD
	C032C569	C032C570	
Acenaphthylene	1.1	1.0	10
Anthracene	1.2	1.0	18
Benzo(a)anthracene	5.9	4.9	18
Benzo(b)fluoranthene	12	9.4	24

Compound	Concentration (ug/Kg)		RPD
	C032C569	C032C570	
Benzo(k)fluoranthene	5.0	6.5	26
Benzo(g,h,i)perylene	9.1	8.3	9
Benzo(a)pyrene	8.8	8.2	7
Chrysene	21	15	33
Dibenz(a,h)anthracene	3.5	3.6	3
Fluoranthene	11	8.7	23
Fluorene	1.2	5.3U	500
Indeno(1,2,3-cd)pyrene	73.6	7.2	6
2-Methylnaphthalene	2.1	135	33
Naphthalene	1.1	0.93	17
Phenanthrene	8.1	6.3	25
Pyrene	18	15	18

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E310177

SDG	Sample	Compound	Flag	A or P	Reason
G2E310177	C032CD53DL C032CD54DL	Fluoranthene	None	P	Continuing calibration (%D)
G2E310177	C032CD53DL C032CD54DL	Pyrene	J (all detects) UJ (all non-detects)	P	Continuing calibration (%D)
G2E310177	C032CD53 C032CD53DL C032CD54 C032CD54DL C032CD55 C032CD56 C032CD57 C032CC65 C032CC66 C032CC67 C032CC68 C032C568 C032C569 C032C570 C032C571 C032C572 C032C582	Phenanthrene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (RPD)
G2E310177	C032CD53 C032CD53DL C032CD54 C032CD54DL C032CD55 C032CD56 C032CD57 C032CC65 C032CC66 C032CC67 C032CC68 C032C568 C032C569 C032C570 C032C571 C032C572 C032C582	Fluoranthene Pyrene	J (all detects) J (all detects)	A	Matrix spike/Matrix spike duplicates (%R)
G2E310177	C032C570	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	P	Internal standards (area)
G2E310177	C032CD53DL C032CD54DL	Benzo(a)anthracene Chrysene	J (all detects) J (all detects)	A	Internal standards (area)

SDG	Sample	Compound	Flag	A or P	Reason
G2E310177	C032CD53 C032CD54	Fluoranthene Pyrene	J (all detects) J (all detects)	A	Compound quantitation and CRQLs
G2E310177	C032CD53 C032CD54	Fluoranthene Pyrene	R R	A	Overall assessment of data
G2E310177	C032CD53DL C032CD54DL	All TCL compounds except Fluoranthene Pyrene	R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E310177

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E310177

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 30, 2002

LDC Report Date: June 27, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2E310188

Sample Identification

C032C583
C032C584
C032C511
C032C512
C032C513
C032C514
C032C515
C032C516
C032C517
C032C518
C032C519
C032C520
C032C521
C032C522
C032C523
C032C512MS
C032C512MSD

Introduction

This data review covers 17 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs) .

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR21 and C032CR21RE (from SDG G2E290166) were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR21	5/30/02	Naphthalene	15 ng/L	All samples in SDG G2E310188
C032CR21RE	5/30/02	Naphthalene	2.7 ng/L	All samples in SDG G2E310188

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for several samples. Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032C583	Naphthalene-d8 Phenanthrene-d10	2830 (34091-136364) 2977 (31642-126570)	Naphthalene 2-Methylnaphthalene Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) UJ (all non-detects)	P
C032C511	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12 Perylene-d12	4036 (34091-136364) 2025 (14960-59838) 4364 (31642-126570) 3627 (24856-99426) 2656 (23410-93640)	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032C515	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10 Perylene-d12	4890 (34091-136364) 2573 (14960-59838) 5882 (31642-126570) 4576 (23410-93640)	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene Fluorene	J (all detects) UJ (all non-detects)	P
C032C516	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12 Perylene-d12	3086 (34091-136364) 1697 (14960-59838) 3872 (31642-126570) 3343 (24856-99426) 2805 (23410-93640)	All TCL compounds	J (all detects) UJ (all non-detects)	P
C032C517	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12 Perylene-d12	2466 (34091-136364) 1621 (14960-59838) 3399 (31642-126570) 3166 (24856-99426) 2523 (23410-93640)	All TCL compounds	J (all detects) UJ (all non-detects)	P

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples C032C518 and C032C519 were identified as field duplicates. No polynuclear aromatic hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	C032C518	C032C519	
Benzo(a)anthracene	0.38	5.6U	200
Benzo(k)fluoranthene	0.40	0.41	2
Benzo(g,h,i)perylene	1.9	1.5	23
Benzo(a)pyrene	0.54	5.6U	200
Chrysene	0.62	0.62	0
Fluoranthene	0.72	0.37	64
Indeno(1,2,3-cd)pyrene	0.79	5.6U	200
2-Methylnaphthalene	0.43	5.6U	200
Naphthalene	0.37	0.38	3
Phenanthrene	0.39	5.6U	200
Pyrene	1.0	0.85	16

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2E310188

SDG	Sample	Compound	Flag	A or P	Reason
G2E310188	C032C583	Naphthalene 2-Methylnaphthalene Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E310188	C032C511 C032C516 C032C517	All TCL compounds	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2E310188	C032C515	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene Fluorene	J (all detects) UJ (all non-detects)	P	Internal standards (area)

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2E310188

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2E310188

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Alameda Point, CTO 32

Collection Date: May 31, 2002

LDC Report Date: June 28, 2002

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Level III

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): G2F010139

Sample Identification

C032CB77
C032CB77DL
C032CB78*
C032CB78DL
C032CB79
C032CB79DL
C032CB80
C032CB80DL
C032CC56
C032CC57
C032CC58
C032CC59
C032CC21
C032CC22
C032CC23
C032CC24
C032CC21MS
C032CC21MSD

*Indicates sample was analyzed for Acenaphthene, Acenaphthylene, Fluorene, 2-Methylnaphthalene and Naphthalene only

Introduction

This data review covers 18 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270C using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs) with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
6/3/02	Fluoranthene	23.4	C032CB77 C032CB78* C032CB79 C032CB80 C032CC56 C032CC57 C032CC58 C032CC59 C032CC21 C032CC22 C032CC23 C032CC24 C032CC21MS C032CC21MSD 2152127MB	None	P

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
6/3/02	Pyrene	25.9	C032CB77 C032CB78* C032CB79 C032CB80 C032CC56 C032CC57 C032CC58 C032CC59 C032CC21 C032CC22 C032CC23 C032CC24 C032CC21MS C032CC21MSD 2152127MB	J (all detects) UJ (all non-detects)	P

All of the continuing calibration RRF values were greater than or equal to 0 05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

Samples C032CR22 and C032CR22RE (from SDG G2E290166) were identified as rinsates. No polynuclear aromatic hydrocarbon contaminants were found in these blanks with the following exceptions:

Rinsate ID	Sampling Date	Compound	Concentration	Associated Samples
C032CR22	5/31/02	Naphthalene	4.7 ng/L	All samples in SDG G2F010139
C032CR22RE	5/31/02	2-Methylnaphthalene Naphthalene	3.2 ng/L 5.9 ng/L	All samples in SDG G2F010139

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for several samples. Since these samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032CB79	Naphthalene-d8 Acenaphthene-d10	54266 (63396-253592) 27613 (28750-115000)	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene	J (all detects) UJ (all non-detects)	A

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032CB80	Naphthalene-d8 Acenaphthene-d10	53057 (63396-253592) 24920 (28750-115000)	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene	J (all detects) UJ (all non-detects)	A
C032CC56	Naphthalene-d8 Acenaphthene-d10	46850 (63396-253592) 24004 (28750-115000)	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene	J (all detects) UJ (all non-detects)	P
C032CC57	Naphthalene-d8 Acenaphthene-d10	51588 (63396-253592) 24056 (28750-115000)	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene	J (all detects) UJ (all non-detects)	P
C032CC58	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10	41122 (63396-253592) 20306 (28750-115000) 50007 (53844-215378)	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) UJ (all non-detects)	P
C032CC59	Naphthalene-d8 Acenaphthene-d10	52659 (63396-253592) 27127 (28750-115000)	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene	J (all detects) UJ (all non-detects)	P
C032CC21	Naphthalene-d8 Acenaphthene-d10	55620 (63396-253592) 27586 (28750-115000)	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene	J (all detects) UJ (all non-detects)	A
C032CC22	Naphthalene-d8	61321 (63396-253592)	Naphthalene 2-Methylnaphthalene	J (all detects) UJ (all non-detects)	P
C032CC23	Naphthalene-d8	56202 (63396-253592)	Naphthalene 2-Methylnaphthalene	J (all detects) UJ (all non-detects)	P
C032CC24	Naphthalene-d8	59702 (63396-253592)	Naphthalene 2-Methylnaphthalene	J (all detects) UJ (all non-detects)	P

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
C032CB78DL	Naphthalene-d8 Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12	371033 (68308-273234) 303134 (57016-228062) 389061 (78967-315868) 392896 (97378-389510)	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
C032CB77 C032CB79 C032CB80	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Chrysene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A
C032CB78*	Acenaphthylene Fluorene Naphthalene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
C032CB77	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Chrysene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	R R R R R R R R R R	A
C032CB77DL	All TCL compounds except Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Chrysene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	R	A
C032CB78*	Acenaphthylene Fluorene Naphthalene	R R R	A
C032CB78DL	Acenaphthene 2-Methylnaphthalene	R R	A
C032CB79	All TCL compounds except Anthracene Dibenz(a,h)anthracene	R	A
C032CB79DL	Anthracene Dibenz(a,h)anthracene	R R	A
C032CB80	All TCL compounds except Acenaphthene Anthracene Dibenz(a,h)anthracene	R	A
C032CB80DL	Acenaphthene Anthracene Dibenz(a,h)anthracene	R R R	A

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG G2F010139

SDG	Sample	Compound	Flag	A or P	Reason
G2F010139	C032CB77 C032CB78* C032CB79 C032CB80 C032CC56 C032CC57 C032CC58 C032CC59 C032CC21 C032CC22 C032CC23 C032CC24	Fluoranthene	None	P	Continuing calibration (%D)
G2F010139	C032CB77 C032CB78* C032CB79 C032CB80 C032CC56 C032CC57 C032CC58 C032CC59 C032CC21 C032CC22 C032CC23 C032CC24	Pyrene	J (all detects) UJ (all non-detects)	P	Continuing calibration (%D)
G2F010139	C032CB79 C032CB80 C032CC21	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
G2F010139	C032CC56 C032CC57 C032CC59	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2F010139	C032CC58	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene	J (all detects) UJ (all non-detects)	P	Internal standards (area)
G2F010139	C032CC22 C032CC23 C032CC24	Naphthalene 2-Methylnaphthalene	J (all detects) UJ (all non-detects)	P	Internal standards (area)

SDG	Sample	Compound	Flag	A or P	Reason
G2F010139	C032CB78DL	Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Internal standards (area)
G2F010139	C032CB77 C032CB79 C032CB80	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Chrysene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Compound quantitation and CRQLs
G2F010139	C032CB78*	Acenaphthylene Fluorene Naphthalene	J (all detects) J (all detects) J (all detects)	A	Compound quantitation and CRQLs
G2F010139	C032CB77	Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Chrysene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	R R R R R R R R R R	A	Overall assessment of data
G2F010139	C032CB77DL	All TCL compounds except Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Chrysene Fluoranthene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	R	A	Overall assessment of data
G2F010139	C032CB78*	Acenaphthylene Fluorene Naphthalene	R R R	A	Overall assessment of data
G2F010139	C032CB78DL	Acenaphthene 2-Methylnaphthalene	R R	A	Overall assessment of data

SDG	Sample	Compound	Flag	A or P	Reason
G2F010139	C032CB79	All TCL compounds except Anthracene Dibenz(a,h)anthracene	R	A	Overall assessment of data
G2F010139	C032CB79DL	Anthracene Dibenz(a,h)anthracene	R R	A	Overall assessment of data
G2F010139	C032CB80	All TCL compounds except Acenaphthene Anthracene Dibenz(a,h)anthracene	R	A	Overall assessment of data
G2F010139	C032CB80DL	Acenaphthene Anthracene Dibenz(a,h)anthracene	R R R	A	Overall assessment of data

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG G2F010139

No Sample Data Qualified in this SDG

Alameda Point, CTO 32
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDG G2F010139

No Sample Data Qualified in this SDG

APPENDIX D

PARCEL EVALUATION PLANS

(on CD)

SECTION 6-Z1

ZONE 1 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 1 at NAS Alameda (Figure 6-Z1-1). Zone 1 has been designated the Western Landfill Zone and encompasses the parcels that are included in Installation Restoration Sites 1 and 2, which were former landfill areas. Zone 1 is comprised of Parcels 1, 2, 5, 6, and 7. During the sampling program development, the parcels located in this zone were evaluated together. No zone-wide target investigation areas (target areas) and seven parcel-specific target areas have been identified in this zone. Surface soil sampling is the sampling procedures called for in the screening-level investigation. Figure 6-Z1-1 illustrates all sample locations for the entire zone, including parcel-specific sampling. This zone evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 1, historical activities are discussed below.

Zone 1 Background and Historical Activities

This subsection briefly summarizes EBS information available for buildings, open spaces, and boundaries of Zone 1 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the parcel-specific evaluation plans (PEPs) for the parcels contained in this zone.

Past and present use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs (the non-intrusive investigation[1]). This information was used to determine areas on the zone where sampling was deemed necessary to delineate potential impacts of compounds of concern.

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1 The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.

Zone 1, the Western Landfill Zone, encompasses five parcels that may have been used historically for waste disposal at NAS Alameda. During the sampling program development, the parcels located in this zone were evaluated together to better address zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of specific parcel concerns is provided in the PEPs for individual parcels.

Filling began in the area covered by this zone in 1942 for Parcels 1, 2, and 5; in 1947 for Parcel 6; and in 1953 for Parcel 7. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1975. Because of the operations at the landfill, the site topography and features changed considerably over time.

Currently, 12 buildings, one mobile trailer, and several small structures located on Parcel 1 cover approximately two percent of the zone. The remaining 98 percent is open space. The zone area is presently utilized for various activities including a skeet range, a pistol range, an arms magazine, a picnic area, part of an aircraft runway, and wetlands. No buildings or structures were formerly located on Zone 1.

Zone 1 contains two Installation Restoration (IR) Program sites (IR Sites 1 and 2). Previous investigations have been conducted at Zone 1 and specific data regarding potential chemical occurrence are available. Previous investigations have been conducted at all parcels within Zone 1. Details of previous investigation activities are described in the corresponding PEPs.

Underground sewer lines present on this zone are illustrated in the individual PEP figures. Lead-based paint, most PCBs (see protocols in Section 5 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on Zone 1 will be addressed in other sampling programs and are not considered in this ZAP.

Previous Investigations

In the previous phases of investigation at NAS Alameda, the landfill containing Parcels 1, 2, 5, and 6, is referred to as IR Site 1 (the 1943-1956 Disposal Area). Additionally, in previous phases of investigation at NAS Alameda, the landfill containing Parcel 7, is referred to as IR Site 2 or the West Beach Landfill. IR Sites 1 and 2 are currently being investigated under the Installation Restoration Program (IRP).

On Parcel 5, the soil sampling included the collection and analysis of 57 surface soil samples. These samples were collected on a 200-foot grid in the areas of the parcel not occupied by aircraft runways. Several chemicals were detected in these samples. These include: SVOCs (detected at levels of 680 µg/kg to 7,800 µg/kg), TPH (detected at levels of 110 mg/kg to 850 mg/kg), and pesticides (detected at levels of 3 µg/kg to 3,200 µg/kg). Two samples collected from the western portion of Parcel 5 contained levels of benzo(b)flouranthene and benzo(a)pyrene that exceeded residential PRGs. The levels of benzo(a)pyrene in these samples also exceeded industrial PRGs. The locations of the sampling points are shown on Figure 6-5-1.

Because Parcel 6 is located outside the area of previous waste disposal, no previous soil sampling has been conducted on this parcel.

IR Site 2 (the West Beach Landfill) contains Parcel 7. This IR site occupies approximately 110 acres in the southwestern corner of NAS Alameda and is located south of IR Site 1 (the 1943-1956 Disposal Area). The western and southern borders of IR Site 2 are San Francisco Bay. A portion of the southwest half of IR Site 2 (approximately 42 acres) is within the city and county of San Francisco. The remainder of IR Site 2 is located in the city and county of Alameda. Details of the site, fill, and disposal histories, current operations, and site hydrogeology are presented in the SWAT report (PRC/Montgomery Watson, 1 993a) .

IR Site 2 is bounded on the west and south by San Francisco Bay and to the north and east by a fence with locked gates. The fence runs along Perimeter Road and the Runway Area. This landfill is surrounded by an earthen berm approximately 55 feet wide and 7 feet high. There are piles of construction debris located in the southeastern portion of the site. The refuse disposal area is moderately- to well-vegetated with grasses and supports a variety of wildlife. A small wetland area located within the disposal area provides a nesting area for birds and is well-vegetated with grasses. IR Site 2 is no longer used for any air station operations or activities. This landfill operated from the 1950s to 1978 and was used for disposal of chemical drums, asbestos, pesticides, inert ordnance, dredge spoils, and metal wastes. Two oil sumps were also reported to exist at this landfill.

Several previous investigations have been conducted at IR Site 2. Harding Lawson Associates (HLA) conducted several investigations in conjunction with the plan to close Site 2 as a Class II disposal facility. As mandated by the RWQCB in 1987, an initial SWAT investigation was conducted at IR Sites 1 and 2 by Canonie in 1990. A second, and more extensive, phase of the field investigation for the SWAT report was subsequently conducted at IR Sites 1 and 2 in 1991 by the PRC team.

Zone Target Areas and Compounds of Concern

Because this zone is currently under investigation by the IR contractor and no additional potential release areas were identified at this zone, no zone-wide target areas were identified for this zone. This zone contains several parcel-specific target areas. Detailed information regarding the parcel-specific target areas and the proposed sampling is provided in the PEPs for individual parcels. The nature and locations of the parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

Remaining data gaps (concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological concerns, the IR sites, and USTs) must be resolved before this zone can be leased or transferred.

Parcel 1 Target Areas

A total of two parcel-specific target areas were identified for Parcel 1 as indicated below. Five surface soil samples will be collected from this parcel. Sample locations are shown on Figure 6-1-1.

- Target Area 1 (Western Part of Parcel): This target area is located in the area of the target houses. This area was used for skeet shooting which involves the use of lead shot. The previous sampling associated with the IRP has not investigated the presence or extent of lead contamination in this area. In addition, plastic pigeons may have been used at the range; therefore, the presence of SVOCs will also be investigated. This target area is approximately 35,000 square feet, and has been classified as having a probable likelihood of impact. Samples to be collected in this Target Area are listed in Table 6-1-1.

- Target Area 2 (Staining Associated with Former Trap Mount): The staining in this area appears to be due to petroleum hydrocarbons, possibly lubrication oil. This target area is estimated to be approximately 100 square feet, and has been classified as having a potential likelihood of impact.

Parcel 2 Target Areas

- Target Area 1 (Pistol Range): This target area is located in the western part of the pistol range. This area was used for target practice which involves use of lead shot and bullets. The previous

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level technique that will be employed to assess conditions in the parcel-specific target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. A total of 12 surface soil samples will be collected from the locations shown on Figure 6-Z1-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the zone areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), chip sampling (SOP 18), subsurface GeoProbe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-1

PARCEL 1 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 1 at NAS Alameda (Figure 6-1-1). The parcel, which is located in the northwest corner of the base, is approximately 2.5 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No zone-wide and two parcel-specific target investigation areas (target areas) have been identified on this parcel. Surface soil sampling will be used to accomplish the screening-level investigation. Table 6-1-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 1, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 1, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 2, 5, 6, and 7. This parcel zone has been designated the Western Landfill Zone (Zone 1). The Western Landfill Zone encompasses the parcels that may have been used historically for waste disposal at NAS Alameda. During the sampling program development, the parcels located in the zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. As

TABLE 6-1-1

Summary of Recommended Samples
NAS Alameda Parcel 1

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
1-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lead, SVOCs, PAHs	Lead, SVOCs	CLP RAS
1-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lead, SVOCs, PAHs	Lead, SVOCs	CLP RAS
1-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lead, SVOCs, PAHs	Lead, SVOCs	CLP RAS
1-4-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lead, SVOCs, PAHs	Lead, SVOCs	CLP RAS
1-5-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Lubrication oil	TPH	Modified EPA 8015

Canonie Environmental reported IR Site 1 to be approximately 120 acres in area (Canonie, 1990d). Based on the aerial photographs examined during the EBS, the portion of IR Site 1 where material was actually buried may be as small as 12 acres. This 12-acre area is located to the east of Parcel 1, and it does not appear that Parcel 1 was used for waste disposal. The photographic evidence also suggests that approximately 15 of the 120 acres were used for the storage of construction and military materials. Details of the site history, fill and disposal histories, current operations, and site hydrogeology are presented in the SWAT report (PRC/Montgomery Watson, 1993a).

Three previous investigations have been conducted at IR Site 1. These investigations included soil and groundwater sampling for purgeable hydrocarbons, total recoverable hydrocarbons, SVOCs, pesticides, PCBs, metals, radiation, pH, and asbestos. Soil samples were collected from the surface and at depths between 2 feet and 22 feet below ground surface. Wahler Associates completed the first investigation of IR Site 1 in late 1984 under the NACIP program. As mandated by the RWQCB in 1987, the second investigation, an initial SWAT investigation, was conducted at IR Site 1 by Canonie in 1990. The third investigation, the second and more extensive phase of the field investigation for the SWAT report, was subsequently conducted at IR Site 1 in 1991 by the PRC team. During these three investigations, only 2 surface soil samples were collected from Parcel 1. Several SVOCs were detected at concentrations of 1,600 to 4,600 µg/kg in these samples. One sample collected from this parcel contained levels of several polynuclear aromatic hydrocarbons (benzo(a)anthracene, benzo(b)flouranthene, benzo(k)flouranthene, benzo(a)pyrene, and indeno(1,2,3-cd)pyrene) that exceeded residential PRGs. The concentration of benzo(a)pyrene in this sample also exceeded industrial PRGs.

As mentioned previously, this parcel is being investigated under the IRP. This PEP does not duplicate the previous or proposed sampling efforts of the IRP. Rather, it identifies target areas that have resulted from the recent use of the site as a skeet range.

Building 516

Building 516, located on the east central portion of the site, was reportedly constructed in 1945 and served as small arms and pyrotechnics magazine storage (Figure 6-1-1). This building is reported to occupy less than 100 square feet. The construction or current condition of the building was not reported during the EBS. The space occupied by Building 516 was formerly vacant open space. There are no utilities associated with this building.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 1 is bordered by Parcel 2 to the south and Parcel 5 to the north and east. The San Francisco Bay borders the parcel to the west. The primary activity of concern on these adjacent parcels is the buried hazardous materials associated with the landfill on Parcel 5 and, possibly Parcel 2. As mentioned earlier, Parcels 1, 2, and 5 are all part of IR Site 1. These parcels are part of an ongoing IR investigation.

Parcel Reclassification and Data Gaps Summary

The available information suggests that this parcel may be reclassified from BRAC Category 7 to BRAC Category 6 since it is part of IR Site 1. Although this parcel may be reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-1-2 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

No industrial hygiene (IH) sampling is required for Parcel 1 because no industrial buildings are present on the parcel.

As noted earlier, Parcel 1 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Additionally,

TABLE 6-1-2

Summary of Data Gaps
NAS Alameda Parcel 1

Data Gap	Status/Description
- Fuel Lines	• No underground or aboveground fuel lines identified.
- Steam Lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• Associated with former landfill.

the follow-up detailed evaluation phase. No zone-wide samples will be collected as no zone-wide target areas were identified for Parcel 1.

Table 6-1-1 summarizes screening-level sampling and analysis recommended for the parcel's target areas. Four surface soil samples will be collected from Target Area 1. The samples should be located in the areas of highest lead pellet fallout. Because of the limited nature of the staining and the small size of Target Area 2, one surface soil sample will be collected and analyzed. This sample should be collected in the area with the most significant staining. Potential sampling locations are shown on Figure 6-1-1.

Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: Geoprobe subsurface sampling (SOP 14), HydroPunch ground water sampling (SOPs 1 and 15), and monitoring well ground water sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-1

PARCEL 1 EVALUATION PLAN

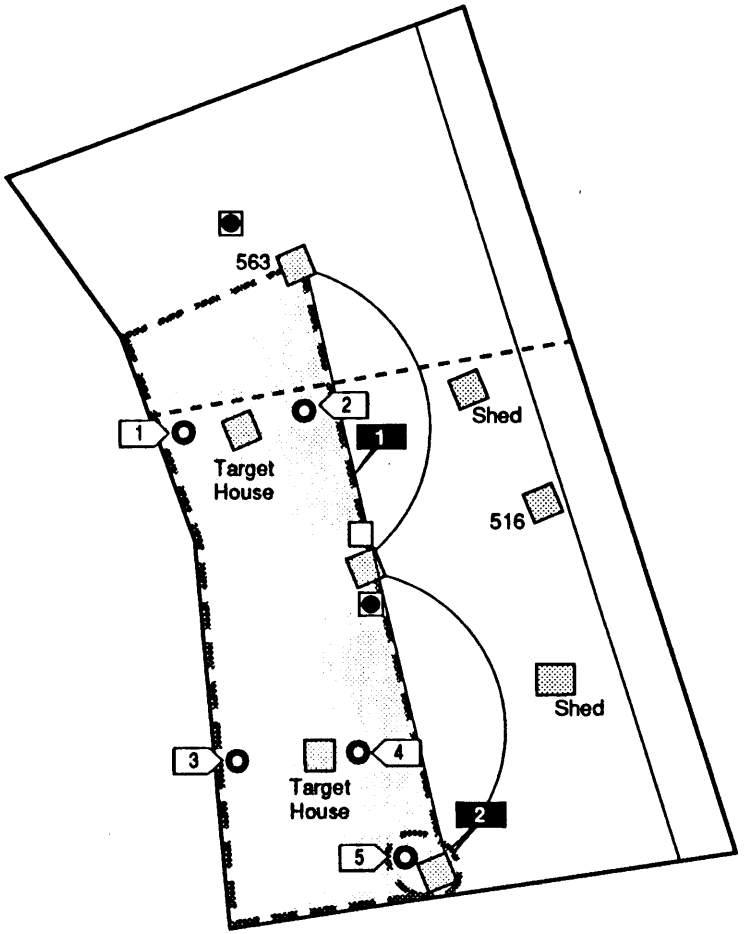
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 1 at NAS Alameda (Figure 6-1-1). The parcel, which is located in the northwest corner of the base, is approximately 2.5 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No zone-wide and two parcel-specific target investigation areas (target areas) have been identified on this parcel. Surface soil sampling will be used to accomplish the screening-level investigation. Table 6-1-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 1, historical activities are discussed below.

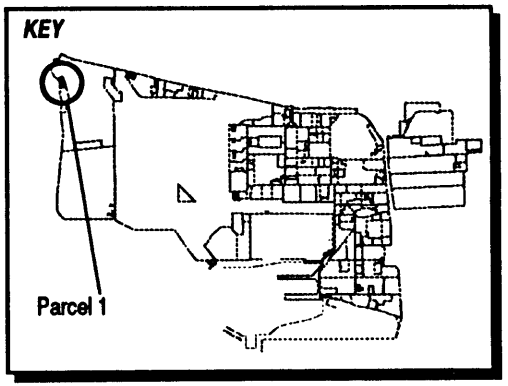
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 1, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 2, 5, 6, and 7. This parcel zone has been designated the Western Landfill Zone (Zone 1). The Western Landfill Zone encompasses the parcels that may have been used historically for waste disposal at NAS Alameda. During the sampling program development, the parcels located in the zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. As





LEGEND

- Target Areas 1-2
- Storm Sewer Line
- Surface Soil Sample Location
- Sampling Location *(Collected during initial phase of SWAT investigation by Canonie)*
- Proposed Surface Sample *(As presented in field sampling plan for follow-on work, RI/FS, Phases 5 and 6–Landfill investigation, July 1994)*

1"= 90'

Figure 6-1-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
21[illegible]/DS/07.13.94

TABLE 6-1-1

Summary of Recommended Samples
NAS Alameda Parcel 1

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
1-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lead, SVOCs, PAHs	Lead, SVOCs	CLP RAS
1-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lead, SVOCs, PAHs	Lead, SVOCs	CLP RAS
1-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lead, SVOCs, PAHs	Lead, SVOCs	CLP RAS
1-4-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lead, SVOCs, PAHs	Lead, SVOCs	CLP RAS
1-5-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Lubrication oil	TPH	Modified EPA 8015

described below, the parcels in this zone are being investigated for landfill-related environmental concerns under the Installation Restoration Program (IR Sites 1 and 2). Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 1.

Filling began in the area bounded by this parcel in 1942. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1946; the ground level and grading have not changed significantly since that time.

Currently, one building, an unnumbered mobile trailer (the skeet range office), and several small structures cover approximately one percent of the parcel. Based on the historical use information, the skeet range was operational from 1956 to the present. The remaining 99 percent is open space. The parcel area is presently in use as a skeet range. Underground sewer lines are present on this parcel and are shown on Figure 6-1-1.

Parcel 1 is part of an Installation Restoration (IR) Program site (IR Site 1). Previous investigations have been conducted at Parcel 1 and specific data regarding potential chemical occurrence are available. Previous investigations conducted at this parcel are described below.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Previous Investigations

This parcel exists in the northwestern portion of a former NAS Alameda landfill. In the previous phases of investigation at NAS Alameda, this landfill is referred to as IR Site 1 (the 1943-1956 Disposal Area). IR Site 1 encompasses the northwest corner of Alameda NAS, and includes Parcels 1, 2, 5, and 6, and the western half of Parcel 8. IR Site 1 is currently being investigated under the Installation Restoration Program (IRP).

During its years of operation (1943-1956), IR Site 1 was the base's primary site for waste disposal. The site reportedly received all waste generated at NAS Alameda except liquid waste, which was discharged directly to the Seaplane Lagoon.

Canonie Environmental reported IR Site 1 to be approximately 120 acres in area (Canonie, 1990d). Based on the aerial photographs examined during the EBS, the portion of IR Site 1 where material was actually buried may be as small as 12 acres. This 12-acre area is located to the east of Parcel 1, and it does not appear that Parcel 1 was used for waste disposal. The photographic evidence also suggests that approximately 15 of the 120 acres were used for the storage of construction and military materials. Details of the site history, fill and disposal histories, current operations, and site hydrogeology are presented in the SWAT report (PRC/Montgomery Watson, 1993a).

Three previous investigations have been conducted at IR Site 1. These investigations included soil and groundwater sampling for purgeable hydrocarbons, total recoverable hydrocarbons, SVOCs, pesticides, PCBs, metals, radiation, pH, and asbestos. Soil samples were collected from the surface and at depths between 2 feet and 22 feet below ground surface. Wahler Associates completed the first investigation of IR Site 1 in late 1984 under the NACIP program. As mandated by the RWQCB in 1987, the second investigation, an initial SWAT investigation, was conducted at IR Site 1 by Canonie in 1990. The third investigation, the second and more extensive phase of the field investigation for the SWAT report, was subsequently conducted at IR Site 1 in 1991 by the PRC team. During these three investigations, only 2 surface soil samples were collected from Parcel 1. Several SVOCs were detected at concentrations of 1,600 to 4,600 µg/kg in these samples. One sample collected from this parcel contained levels of several polynuclear aromatic hydrocarbons (benzo(a)anthracene, benzo(b)flouranthene, benzo(k)flouranthene, benzo(a)pyrene, and indeno(1,2,3-cd)pyrene) that exceeded residential PRGs. The concentration of benzo(a)pyrene in this sample also exceeded industrial PRGs.

As mentioned previously, this parcel is being investigated under the IRP. This PEP does not duplicate the previous or proposed sampling efforts of the IRP. Rather, it identifies target areas that have resulted from the recent use of the site as a skeet range.

Building 516

Building 516, located on the east central portion of the site, was reportedly constructed in 1945 and served as small arms and pyrotechnics magazine storage (Figure 6-1-1). This building is reported to occupy less than 100 square feet. The construction or current condition of the building was not reported during the EBS. The space occupied by Building 516 was formerly vacant open space. There are no utilities associated with this building.

Information collected during the EBS indicates that this building was used to store ordnance and small arms. Based on the historical review conducted, it appears that Building 516 was always used for this purpose. All ordnance is reported to be brought to and removed from this building in packages, and thus leakage or spillage of ordnance materials is unlikely.

There have been no documented spills of chemicals associated with Building 516. Building 516 is not equipped with a heating-ventilation-air conditioning (HVAC) system. A small, unnumbered trailer is also present in the same general area as Building 516. This trailer served as the skeet range office. The mobile trailer contained small quantities (less than 50 gallons total) of grease, paint, oil, detergent, and corrosion inhibitor. No other chemical storage or spillage was observed to be associated with Building 516.

Open Space

The open space covers approximately 99 percent of the parcel. The ground surface of the open space is covered with gravel, weeds, and poorly maintained grass. These unpaved open space areas are shown on Figure 6-1-1. These areas have been unpaved or landscaped since the late 1950s. There are several small structures located within the open space of this parcel. These include two wooden target houses and two wooden sheds. Utilities located within and immediately surrounding the open space include a storm sewer and water line.

EBS information indicates that the majority of this open space has most recently been used as a skeet range. It appears that the open space was always used for this purpose.

No chemicals are documented to have been stored or spilled in the open space of this parcel. Site inspection data indicates that undocumented spills may have occurred at the former trap mountings. Staining was noted in this area, although the size of the stains was not reported in the EBS. Other incidents, including fires, mishaps, and flooding are not documented to have occurred within the open space.

This parcel has open space areas that are unpaved. These areas are shown on Figure 6-1-1. These areas have been unpaved since the area within the parcel boundary was filled in 1946.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 1 is bordered by Parcel 2 to the south and Parcel 5 to the north and east. The San Francisco Bay borders the parcel to the west. The primary activity of concern on these adjacent parcels is the buried hazardous materials associated with the landfill on Parcel 5 and, possibly Parcel 2. As mentioned earlier, Parcels 1, 2, and 5 are all part of IR Site 1. These parcels are part of an ongoing IR investigation.

Parcel Reclassification and Data Gaps Summary

The available information suggests that this parcel may be reclassified from BRAC Category 7 to BRAC Category 6 since it is part of IR Site 1. Although this parcel may be reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-1-2 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

No industrial hygiene (IH) sampling is required for Parcel 1 because no industrial buildings are present on the parcel.

As noted earlier, Parcel 1 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Additionally,

TABLE 6-1-2

Summary of Data Gaps
NAS Alameda Parcel 1

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 1.
Installation Restoration (IR) Sites	• IR Site 1 (the 1943-1956 Disposal Area) contains Parcel 1. Additional subsurface investigation, including groundwater monitoring wells, relative to IR Site 1 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels that are not part of IR sites identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Skeet Shooting Area. • Staining Associated with Former Trap Mount.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer and water lines identified.

TABLE 6-1-2

Summary of Data Gaps
NAS Alameda Parcel 1

Data Gap	Status/Description
- Fuel Lines	• No underground or aboveground fuel lines identified.
- Steam Lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• Associated with former landfill.

previous investigations have included surface soil sampling for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 1.

Once the data gaps in Table 6-1-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 1 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

This subsection of the PEP discusses the specific parcel target areas. No zone-wide target areas were identified on Parcel 1; however two parcel-specific target areas were identified. The nature and location of these areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following target areas were identified based on the potential release areas described above and listed in Table 6-1-2.

- Target Area 1 (western part of parcel): This target area is located in the area of the target houses. This area was used for skeet shooting, which involves the use of lead shot. The previous sampling associated with the IRP has not investigated the presence or extent of lead contamination in this area. In addition, plastic pigeons may have been used at the range; therefore, the presence of SVOCs will also be investigated. This target area is approximately 35,000 square feet, and has been classified as having a probable likelihood of impact. Samples to be collected in this Target Area are listed in Table 6-1-1.

- Target Area 2 (staining associated with former trap mount): The staining in this area appears to be due to petroleum hydrocarbons, possibly lubrication oil. This target area is estimated to be approximately 100 square feet, and has been classified as having a potential likelihood of impact.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level investigation technique that will be used to assess conditions in the parcel-specific target areas and to identify areas that may require further sampling in

the follow-up detailed evaluation phase. No zone-wide samples will be collected as no zone-wide target areas were identified for Parcel 1.

Table 6-1-1 summarizes screening-level sampling and analysis recommended for the parcel's target areas. Four surface soil samples will be collected from Target Area 1. The samples should be located in the areas of highest lead pellet fallout. Because of the limited nature of the staining and the small size of Target Area 2, one surface soil sample will be collected and analyzed. This sample should be collected in the area with the most significant staining. Potential sampling locations are shown on Figure 6-1-1.

Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: Geoprobe subsurface sampling (SOP 14), HydroPunch ground water sampling (SOPs 1 and 15), and monitoring well ground water sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-2

PARCEL 2 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 2 at NAS Alameda (Figure 6-2-1). The parcel, which is located in the northwest corner of the base, is approximately 5 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No zone-wide and one parcel-specific target investigation area (target area) has been identified on this parcel. Sampling for the parcel-specific target area will be performed by the Navy IR Contractor. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 2, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 2, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 1, 5, 6, and 7. This parcel zone has been designated the Western Landfill Zone (Zone 1). The Western Landfill Zone encompasses the parcels that may have been used historically for waste disposal at NAS Alameda. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. As described below, the parcels in this zone are being investigated for

landfill-related environmental concerns under the Installation Restoration Program (IR Sites 1 and 2). Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 1.

Filling began in the area covered by this parcel in 1942. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1946; the ground level and grading have not changed significantly since that time.

Currently, five buildings occupy approximately 10 percent of the parcel. The remaining 90 percent is open space. The parcel area is presently in use as a pistol range and picnic area. Underground sewer lines are present on this parcel and are shown on Figure 6-1-1.

Parcel 2 is part of an Installation Restoration (IR) Program site (IR Site 1). Previous investigations have been conducted at Parcel 2 and specific data regarding potential chemical occurrence are available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

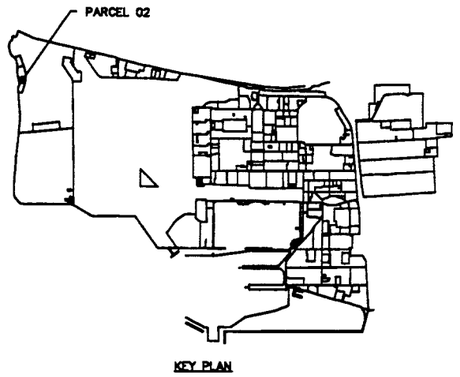
Previous investigations at Parcel 2 are described below.

Previous Investigations

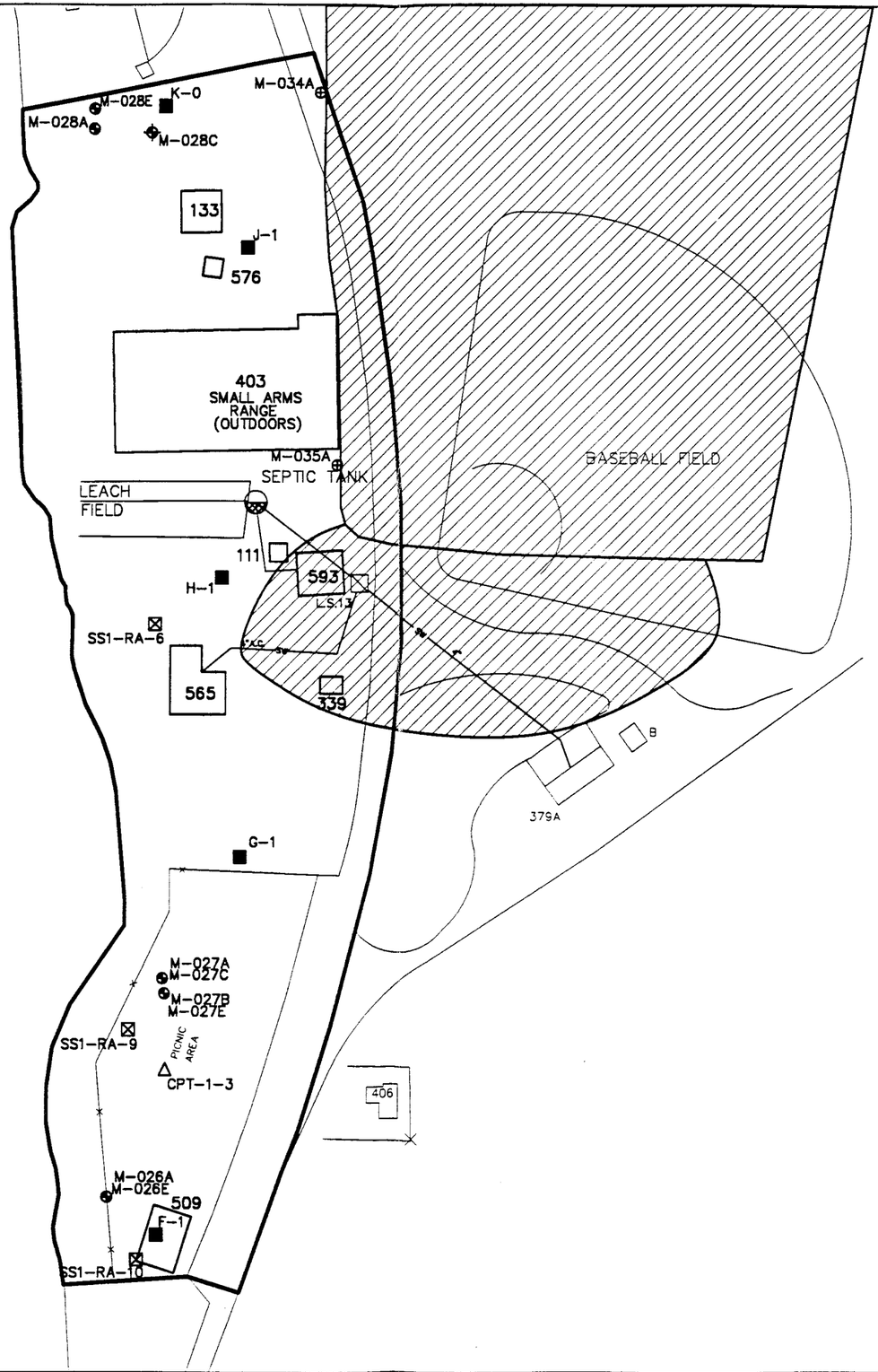
This parcel exists in the northwestern portion of a former NAS Alameda landfill. In the previous phases of investigation at NAS Alameda, this landfill is referred to as IR Site 1 or the 1943-1956 Disposal Area. IR Site 1 encompasses the northwest corner of Alameda NAS, and includes Parcels 1, 2, 5, and 6, and the western one-half of Parcel 8. IR Site 1 is currently being investigated under the Installation Restoration Program (IRP).

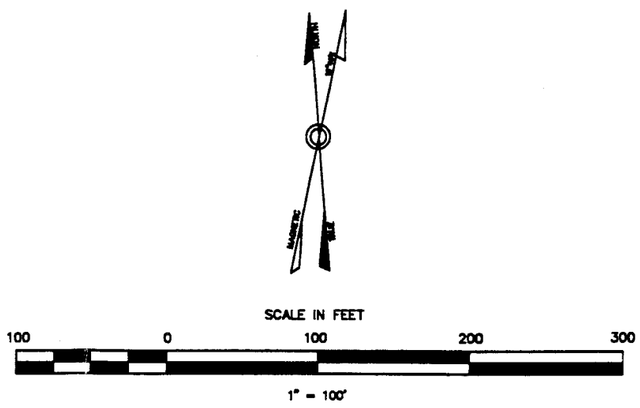
During its years of operation (1943-1956), IR Site 1 was the base's main site for waste disposal, and the site reportedly received all waste generated at NAS Alameda except liquid waste, which was discharged directly to the Seaplane Lagoon.

Canonie reported Site 1 to be approximately 120 acres in area (Canonie, 1990d). Based on an examination of aerial photographs, the portion of Site 1 where material was actually buried may be as small as 12 acres. This 12-acre area is located to the east of Parcel 2. Based on historical information it appears that the eastern edge of Parcel 2 was used for



KEY PLAN





GENERAL LEGEND

PARCEL OUTLINE

1943-1956 DISPOSAL AREA
(2) TWO DISPOSAL CELLS

SAMPLING PLAN BY OTHERS

SS1-RA-6 ⊠ PROPOSED SURFACE SOIL SAMPLE & No. (PRC)

M-028C ⊕ PROPOSED BORING & No. (TO BE TURNED INTO A DEEP MONITORING WELL) (PRC)

M-034A ⊕ PROPOSED BORING & No. (TO BE TURNED INTO A SHALLOW MONITORING WELL) (PRC)

CPT-1-3 △ PROPOSED CPT & No.

NOTES:

1. THE ABOVE ARE AS PRESENTED IN FIELD SAMPLING PLAN FOR FOLLOW-UP WORK, RI/FS, PHASES 5 & 6 LANDFILL INVESTIGATION, JULY 1994.

K-0 ■ SAMPLING COLLECTED DURING INITIAL PHASE OF SWAT INVESTIGATION BY CANONIE & NO.

M-028A ⊕ EXISTING MONITORING WELL & No.

SANITARY SEWER LINE LEGEND

L.S.13 ⧅ LIFT STATION & No.

—sw— SANITARY SEWER LINE

MATERIALS:

A.C. - ASBESTOS CEMENT

NOTES:

1. ALL SANITARY SEWERS ARE VITRIFIED CLAY PIPE UNLESS NOTED OTHERWISE.

GENERAL NOTES:

1. NO PARCEL SPECIFIC SAMPLING IS REQUIRED FOR THIS PARCEL.

NAVAL AIR STATION, ALAMEDA

FIGURE 6-02-1
PARCEL 02
PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO.	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS:
19590002.DWG	PWC 17.629 (STORM DRAINS) PWC 108.728 (SANITARY SEWER) PWC 23.997 (INDUSTRIAL WASTES) HISTORIC DWGS IN EBS DATABASE (FUEL LINES)
SCALE AS NOTED	DATE: 2.10.95/2121.95.45 — SHEET 1 OF 1

waste disposal. The photographic evidence also suggests that approximately 15 of the 120 acres were used for the storage of construction and military materials. Details of the site, fill, and disposal histories, current operations, and site hydrogeology are presented in the SWAT report (PRC/Montgomery Watson, 1993a).

Three previous investigations have been conducted at Site 1. These investigations included soil and ground water sampling for purgeable hydrocarbons, total recoverable hydrocarbons, SVOCs, pesticides, PCBs, metals, radiation, pH, and asbestos. Soil samples were collected from the surface and at depth between 2 feet and 22 feet below ground surface. Wahler Associates completed the first investigation of Site 1 in late 1984 under the NACIP program. As mandated by the RWQCB in 1987, the second investigation, an initial SWAT investigation, was conducted at Site 1 by Canonie in 1990. The third investigation (the second and more extensive phase of the field investigation for the SWAT report) was subsequently conducted at Site 1 in 1992 by the PRC team. On Parcel 2, the soil sampling included collection and analysis of five surface soil samples. Several contaminants were detected in these samples. These include: SVOCs (detected at levels of 740 to 2,400 µg/kg), TRPH (detected at a level of 110 mg/kg), and pesticides (detected at a level of 110 µg/kg). Four samples collected on this parcel contained levels of several polynuclear aromatic hydrocarbons (benzo(a)anthracene, benzo(b)flouranthene, benzo(k)flouranthene, and benzo(a)pyrene that exceeded residential and industrial PRGs.

As mentioned previously, this parcel is being investigated under the IRP. This PEP does not duplicate the previous or proposed sampling efforts as part of the IRP. Rather, it evaluates potential target areas that have resulted from the recent use of the site as a pistol range and picnic area.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 111

Building 111, located in the east central portion of the parcel, was reportedly constructed in 1942. This building has previously been used as a weapons field office, lounge, and clubhouse (Figure 6-2-1). This building is constructed of concrete walls and an elevated wood floor. This building occupies approximately 1,100 square feet. The current condition of the building was not reported during the EBS. The space occupied by Building 111 was formerly vacant open space. Utilities located within and immediately surrounding Building 111 include sanitary sewer, telephone, water, and electrical lines.

Information collected during the EBS indicates that this building was most recently used for fire training activities. Based on the historical review conducted, it does not appear that hazardous materials were used or stored at Building 111.

There has been no documented usage or spillage of chemicals associated with Building 111. Building 111 is not equipped with a heating-ventilation-air conditioning (HVAC) system. Other incidents, including fires, mishaps, and flooding are not documented to have occurred within this building.

Building 133

Building 133 was constructed in 1945 and serves as an air traffic control radio facility (Figure 6-2-1). This building is in good condition. Building 133 is a one story building constructed of wood with a concrete floor and a wood roof, and covers approximately 600 square feet. The space occupied by Building 133 was formerly vacant open space. Utilities located within and immediately surrounding Building 133 include telephone, water, and electrical lines.

Information collected during the EBS indicates that this building has been used as a receiver station for the air traffic control. Based on the historical review conducted, it does not appear that hazardous materials were used or stored at Building 133. Building 133 is not equipped with a heating-ventilation-air conditioning (HVAC) system. Other incidents, including fires, mishaps, and flooding are not documented to have occurred within this building.

Building 339

Building 339 was constructed in 1942 and serves as a small arms and pyrotechnics magazine (Figure 6-2-1). This building is in good condition. Building 339 is a one story building constructed of concrete block walls, concrete floor and ceiling, and occupies approximately 1,000 square feet. The space occupied by Building 339 was formerly vacant open space. Utilities located within and immediately surrounding Building 339 include telephone, water, and electrical lines.

Information collected during the EBS indicates that this building has been used to store small arms. Based on the historical review conducted, all ordnance is brought to the building and removed from the building in a packaged condition, and it is unlikely that spillage or leakage has occurred. Building 339 is not equipped with a heating-

ventilation-air conditioning (HVAC) system. Other incidents, including fires, mishaps, and flooding are not documented to have occurred within this building.

Building 403

Building 403 was constructed in 1953 and served as a pistol range until it was closed in October of 1993 (Figure 6-2-1). This building is in poor condition. The pistol range is constructed with wooden walls surrounding the range, and concrete walkways. There is no roof and a sand embankment exists at the west end of the range to catch the bullet slugs. The range area occupies approximately 20,000 square feet. The space occupied by Building 403 was formerly vacant open space. No utilities are located within or immediately surrounding Building 403.

Information collected during the EBS indicates that this building has been used as a pistol range since it was constructed in 1953. Based on the historical review conducted, it does not appear that hazardous materials were used or stored at Building 403. During the EBS site inspection, the presence of lead slugs and pellets was noted to be widespread in the sand embankment area. Building 403 is not equipped with a heating-ventilation-air conditioning (HVAC) system. Other incidents, including fires, mishaps, and flooding are not documented to have occurred within this building.

Building 576

Building 576 houses a generator (Figure 6-2-1). This building is in poor condition. Building 576 is a one story shed constructed of plaster board and wood with a cement floor and metal roof, and covers approximately 100 square feet. The space occupied by Building 576 was formerly vacant open space. No utilities are located within or immediately surrounding Building 576. No chemicals are documented to have been stored in or used at this building.

No spills are documented to have occurred in Building 576; however, during a visual inspection, an 8-foot-by-5-foot stain was observed on the concrete floor adjacent to the generator. This spill appeared to be diesel fuel and to have involved a small quantity of released material. No other staining was observed during visual inspections or in aerial photographs.

Building 576 is not equipped with a heating-ventilation-air conditioning (HVAC) system. Incidents including fires, mishaps,

flooding, or crashes are not documented to have occurred within Building 576.

Open Space

The open space covers approximately 90 percent of the parcel. The ground surface of the open space is covered with concrete pads, gravel, weeds, sand, and brush. These unpaved open space areas are shown on Figure 6-2-1. These areas have been unpaved or landscaped since the late 1950s. A picnic area occupies the southern portion of the parcel. Utilities located within and immediately surrounding the open space include a storm sewer and septic tank with associated leach field present south of the pistol range. EBS information indicates that the majority of this open space has most recently been used as a picnic and recreation area.

Building 593, a sewage lift station is located in the open space. Two buildings (Buildings 509 and 565) were formerly located in the open space and have since been demolished. Building 509 was a wooden structure used for recreational purposes. Available EBS information did not indicate the use of Building 565, although based on its location, it was most likely associated with the sewage lift station. Two 1,000-gallon aboveground storage tanks are located on the middle third of the parcel. These tanks contain drilling fluids for the ongoing IRP at the site. One 55-gallon drum on a stand is located at the north end of the parcel. One 55-gallon fuel storage tank is located on the west side of Building 403. These two fuel tanks appear to be out of service. No staining or other evidence of spillage was associated with these drums and tanks.

Other incidents, including fires, mishaps, or flooding are not documented to have occurred within the open space of this parcel.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 2 is bounded by Parcel 1 to the north and Parcel 5 to the east and south. The San Francisco Bay borders the parcel to the west. Activities

of concern on these adjacent parcels include the buried hazardous materials associated with the landfill located on Parcel 5. As mentioned previously, Parcels 1, 2, and 5 are all part of IR Site 1. These parcels are part of an ongoing IR investigation.

Parcel Reclassification and Data Gaps Summary

The data collected for this parcel indicate that there are no remaining data gaps. The available information suggests that this parcel may be reclassified from BRAC Category 7 to BRAC Category 6. This parcel has been reclassified to BRAC Category 6 as it is part of IR Site 1. Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-2-1 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 2 because no industrial buildings are present. Although no IH sampling is specified in this PEP, IH issues are potentially of concern in Building 576.

As noted earlier, Parcel 2 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Additionally, previous investigations have included surface soil sampling for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 2.

Once the data gaps in Table 6-2-1 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 2 may be leased or transferred, as appropriate.

TABLE 6-2-1

Summary of Data Gaps
NAS Alameda Parcel 2

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 2.
Installation Restoration (IR) Sites	• IR Site 1 (the 1943-1956 Disposal Area) contains Parcel 2. Additional subsurface investigation, including groundwater monitoring wells, relative to IR Site 1 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels that are not part or IR sites identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Pistol Range.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, telephone, electrical, and water lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
- Steam Lines	• No steam lines identified.

TABLE 6-2-1

Summary of Data Gaps
NAS Alameda Parcel 2

Data Gap	Status/Description
Wetlands	• No wetlands identified.
Other	• Associated with former landfill.

Target Areas and Compounds of Concern

This subsection of the PEP discusses the specific parcel target area. No zone-wide target areas were identified on Parcel 2; however one parcel-specific target area was identified. The nature and location of this area was evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Pistol Range): This target area is located in the western part of the pistol range. This area was used for target practice which involves use of lead shot and bullets. The previous sampling associated with the IR have not investigated the presence or extent of potential lead contamination in this area. This target area is estimated to occupy 3,000 square feet and has been classified as having a probable likelihood of impact. No sampling is proposed for this target area because it is a known release site and remediation will be performed by the Navy IR Contractor.

No zone-wide target areas and no parcel-specific samples were identified for this parcel; however, other concerns pertaining to transformers, lead-based paint, asbestos, radiological concerns, industrial hygiene (IH) issues, and IR sites must be resolved before this parcel can be leased and/or transferred.

SECTION 6-5

PARCEL 5 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 5 at NAS Alameda (Figure 6-5-1). The parcel, which is located in the northwest corner of the base, is approximately 122 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No zone-wide and four parcel-specific target investigation areas (target areas) have been identified on this parcel. Surface soil sampling will be used to accomplish the screening-level investigation. Table 6-5-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 5, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 5, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 1, 2, 6, and 7. This parcel zone has been designated the Western Landfill Zone (Zone 1). The Western Landfill Zone encompasses the parcels that may have been used historically for waste disposal at NAS Alameda. During the sampling program development, the parcels located in the zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. As

TABLE 6-5-1

Summary of Recommended Samples
NAS Alameda Parcel 5

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
5-1-3-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	DDT, PCBs, herbicides	Pesticides	CLP RAS
5-2-3-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	DDT, PCBs, herbicides	Pesticides	CLP RAS
5-3-3-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	Lubrication oil, Diesel	TPH	Test Kit
5-4-3-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	Lubrication oil, Diesel	TPH	Test Kit
5-4-3-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 2	Lubrication oil, Diesel	TPH	Modified EPA 8015
5-5-3-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	Lubrication oil, Diesel	TPH	Test Kit
5-6-3-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	Lubrication oil, Diesel	TPH	Test Kit
5-7-3-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Lubrication oil, Diesel	TPH	Test Kit

* This is the suggested location for the confirmation sample. The actual location will depend on field analytical results.

described below, the parcels in this zone are being investigated for landfill-related environmental concerns under the Installation Restoration Program (IR Sites 1 and 2). Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 1.

Filling began in the area covered by this parcel in 1942. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1953; the ground level and grading have not changed significantly since that time.

Currently, two buildings occupy less than one percent of the parcel. The remaining 99 percent is open space. The majority of the parcel area is presently in use as an aircraft runway. Underground sewer lines are present on this parcel and are shown on Figure 6-5-1.

Parcel 5 is part of an Installation Restoration (IR) Program site (IR Site 1). Previous investigations have been conducted at Parcel 5 and specific data regarding potential chemical occurrence are available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Previous investigations at Parcel 5 are described below.

Previous Investigations

This parcel exists in the northwestern portion of a former NAS Alameda landfill. In the previous phases of investigation at NAS Alameda, this landfill is referred to as IR Site 1 or the 1943-1956 Disposal Area. IR Site 1 encompasses the northwest corner of Alameda NAS, and includes Parcels 1, 2, 5, and 6, and the western one-half of Parcel 8. IR Site 1 is currently being investigated under the Installation Restoration Program (IRP).

During its years of operation (1943-1956), IR Site 1 was the base's main site for waste disposal, and the site reportedly received all waste generated at NAS Alameda except liquid waste, which was discharged directly to the Seaplane Lagoon.

Canonie reported Site 1 to be approximately 120 acres in size (Canonie, 1990d). Based on an examination of aerial photographs, the portion of Site 1 where material was actually buried may be as small as 12 acres. This 12-acre area is located in the northeast corner of Parcel 5. An area

reported to be used for burning waste exists in the northeast corner of Parcel 5. The photographic evidence also suggests that approximately 15 of the 120 acres were used for the storage of construction and military materials. Details of the site, fill, and disposal histories, current operations, and site hydrogeology are presented in the SWAT report (PRC/Montgomery Watson, 1993a).

Three previous investigations have been conducted at Site 1. These investigations included soil and ground water sampling for purgeable hydrocarbons, total recoverable hydrocarbons, SVOCs, pesticides, PCBs, metals, radiation, pH, and asbestos. Soil samples were collected from the surface and at depth between 2 feet and 22 feet below ground surface. Wahler Associates completed the first investigation of Site 1 in late 1984 under the NACIP program. As mandated by the RWQCB in 1987, the second investigation, an initial SWAT investigation, was conducted at Site 1 by Canonie in 1990. The third investigation (the second and more extensive phase of the field investigation for the SWAT report) was subsequently conducted at Site 1 in 1992 by the PRC team. On Parcel 5, the soil sampling included collection and analysis of 57 surface soil samples. These samples were collected on a 200-foot grid in the areas of the parcel not occupied by aircraft runways. Several chemicals were detected in these samples. These include: SVOCs (detected at levels of 680 µg/kg to 7,800 µg/kg), TPH (detected at levels of 110 mg/kg to 850 mg/kg), and pesticides (detected at levels of 3 µg/kg to 3,200 µg/kg). Two samples collected from the western portion of the parcel contained levels of benzo(b)flouranthene and benzo(a)pyrene that exceeded residential PRGs. The levels of benzo(a)pyrene in these samples also exceeded industrial PRGs. The locations of the sampling points are shown on Figure 6-5-1.

As mentioned previously, this parcel is being investigated under the IRP. This PEP does not duplicate the previous or proposed sampling efforts as part of the IRP. Rather, it identifies target areas that have resulted from the recent use of the site as an aircraft runway and aircraft support area.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Buildings 406

Building 406, located in the west central portion of the parcel, was reportedly constructed in 1957. This building was reportedly 600 square feet in area and was demolished in 1993. This building was used as a tactical antenna station (Figure 6-5-1). No further information about the construction or use of the building was reported during the EBS.

The space occupied by Building 406 was formerly vacant open space. There are no utilities located within and immediately surrounding Building 406.

There have been no documented spills of chemicals associated with Building 406. Building 406 was not equipped with a heating-ventilation-air conditioning (HVAC) system.

Building 379

Building 379 was constructed in 1966 and serves as a radar station for the airfield tower (Figure 6-5-1). No further information about the construction or use of the building was reported during the EBS. The space occupied by Building 379 was formerly vacant open space.

Utilities located within and immediately surrounding Building 379 include telephone, water, and electrical lines. Based on the historical review conducted, it does not appear that hazardous materials were used or stored at Building 379. Building 379 is not equipped with a HVAC system.

Open Space

The open space covers approximately 99 percent of the parcel. The majority of the ground surface of the open space is covered with the asphalt and concrete runway. The remaining open space is poorly maintained grass. These unpaved open space areas are shown on Figure 6-5-1. These areas have been unpaved or landscaped since the late 1950s. Utilities located within and immediately surrounding the open space include storm sewer, sanitary sewer, telephone, water, and electrical lines.

EBS information indicates that the majority of this open space is used as an aircraft runway. It appears that the open space was always used for this purpose. The historic aerial photographs indicated that a large unidentified building occupied the southwest corner of the parcel between 1963 and 1981. The construction or use of the building is not known.

Aircraft arresting gear is present on each of the two runways located in this parcel (Figure 6-5-1). Each of these locations contains two aboveground fuel storage tanks; one on each side of the runway. These tanks are used to power the runway arresting gear. During the EBS site inspection, dark stains, possibly from spilled fuel and motor oil, were observed beneath these tanks. Staining that appeared to be oil was also

observed to be associated with a radar unit that exists on the western side of Building 379. White staining was observed at the northern edge of Runway 13. This staining appeared to be the result of excessive herbicide use. Other incidents, including fires, mishaps, or flooding are not documented to have occurred within the open space of this parcel.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 5 is bounded by Parcels 1, 2, 6, 7, and 8. The San Francisco Bay borders the parcel to the north and west. Activities of concern on these adjacent parcels include the buried hazardous materials associated with the landfill. As mentioned previously Parcels 1, 2, 5, 6, and one-half of 8 are all part of IR Site 1 or the 1943 -1956 Disposal Area. These parcels are part of an ongoing IR investigation.

Parcel Reclassification and Data Gaps Summary

The available information suggests that this parcel may be reclassified from BRAC Category 7 to BRAC Category 6. This parcel has been reclassified to BRAC Category 6 because it is part of IR Site 1. Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-5-2 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3. No Industrial Hygiene (IH) sampling is required for Parcel 5 because no industrial buildings are present.

TABLE 6-5-2

Summary of Data Gaps
NAS Alameda Parcel 5

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 5.
Installation Restoration (IR) Sites	• IR Site 1 (the 1943-1956 Disposal Area) contains Parcel 5. Additional subsurface investigation, including groundwater monitoring wells, relative to IR Site 1 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels that are not part of IR sites identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Pesticide Staining on North End of Runway 13. • Aircraft Arresting Gear Runway 13. • Aircraft Arresting Gear Runway 7. • Generator for Radar Station.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-5-2

Summary of Data Gaps
NAS Alameda Parcel 5

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, telephone, electrical, and water lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
- Steam Lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• Associated with former landfill.

As noted earlier, Parcel 5 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Additionally, previous investigations have included surface soil sampling for pesticides. Therefore, pesticide sampling has been proposed in this PEP for Parcel 5 only in the heavy herbicide use location as identified in Target Area 1.

Once the data gaps in Table 6-5-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 5 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

This subsection of the PEP discusses the specific parcel target areas. No zone-wide target areas were identified on Parcel 5; however, four parcel-specific target areas were identified. The nature and locations of these areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Pesticide Staining on North End of Runway 13): This target area is located at the north end of Runway 13. The staining occupies an area estimated to be 750 square feet and appears to be the result of heavy herbicide use. This target area has been classified as having a suspect likelihood of impact. Samples to be collected in this target area are listed in Table 6-5-1.

- Target Area 2 (Aircraft Arresting Gear Runway 13): This target area is located in the area adjacent to the aircraft arresting gear. This area contained staining that appeared to be diesel fuel or lubrication oil. This target area occupies approximately 200 square feet and has been classified as having a suspect likelihood of impact. Samples to be collected in this target area are listed in Table 6-5-1.

- Target Area 3 (Aircraft Arresting Gear Runway 7): This target area is located in the area adjacent to the aircraft arresting gear. This area contained staining that appeared to be diesel fuel or lubrication oil. This target area occupies approximately 200 square feet and has been

classified as having a suspect likelihood of impact. Samples to be collected in this target area are listed in Table 6-5-1.

- Target Area 4 (Generator for Radar Station): This target area is located adjacent to a radar station. An oily stain was present adjacent to the radar equipment in this area. This target area measures approximately 25 square feet and has been classified as having a potential likelihood of impact. Samples to be collected in this target area are listed in Table 6-5-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level investigation technique that will be used to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-5-1 summarizes screening-level sampling and analysis recommended for the parcel-specific target areas. No zone-wide samples will be collected as no zone-wide target areas were identified for Parcel 5. A total of seven surface soil samples will be collected from the locations shown on Figure 6-5-1. Sampling will be conducted in accordance with the referenced SOP in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Two surface soil samples will be collected at Target Area 1 and analyzed for pesticides. The samples should be located in the areas of greatest staining. Two surface soil samples will be collected for each of Target Areas 2 and 3 and analyzed for TPH. The samples should be located in the areas of greatest staining.

One surface soil sample will be collected in the area of staining in Target Area 4 and analyzed for TPH. The sample should be located in the area of greatest staining.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: subsurface Geoprobe soil sampling (SOP 14), HydroPunch ground water sampling (SOPs 1

and 15), and monitoring well ground water sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-6

PARCEL 6 EVALUATION PLAN

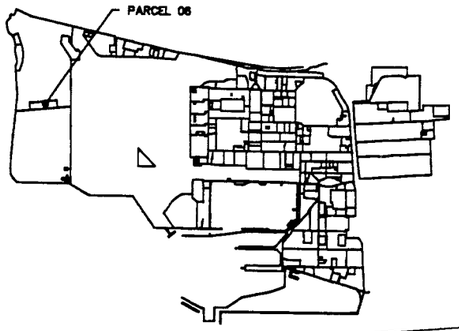
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 6 at NAS Alameda (Figure 6-6-1). The parcel, which is located in the northwest portion of the base, is approximately 5.5 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA site. No zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. Historical activities on Parcel 6 are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 6, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 1, 2, 5, and 7. This parcel zone has been designated the Western Landfill Zone (Zone 1). The Western Landfill Zone encompasses the parcels that may have been used historically for waste disposal at NAS Alameda. During the sampling program development, the parcels located in the zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. As described below, the parcels in this zone are being investigated for landfill-related environmental concerns under the Installation Restoration Program (IR Sites 1 and 2). Zone-wide considerations and



KEY PLAN

TAXIWAY NO.1

441

442

353

354

GENERAL LEGEND

PARCEL OUTLINE

SCALE IN FEET

80 0 80 160 240

1" = 80'

NAVAL AIR STATION, ALAMEDA

FIGURE 6-06-1
PARCEL 06
PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO.	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS:
19590006.DWG	PWC 17.629 (STORM DRAINS) PWC 108.728 (SANITARY SEWER) PWC 23.997 (INDUSTRIAL WASTES) HISTORIC DWGS IN EBS DATABASE (FUEL LINES)
SCALE AS NOTED	DATE: 10.27.94/2121.96.45 SHEET 1 OF 1

potential zone-wide concerns are described in the Zone Analysis Plan for Zone 1.

Filling began in the area covered by this parcel in 1947. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1953; the ground level and grading have not changed significantly since that time.

Currently, four buildings occupy approximately one percent of the parcel. The remaining 99 percent is open space. The parcel area is presently in use as an arms magazine.

Parcel 6 is part of an Installation Restoration (IR) Program site (IR Site 2). Previous investigations have been conducted at Parcel 6 and specific data regarding potential chemical occurrence are available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Previous investigation at Parcel 6 are described below.

Previous Investigations

This parcel exists on the southern edge of a former NAS Alameda landfill. In the previous phases of investigation at NAS Alameda, this landfill is referred to as IR Site 1 or the 1943-1956 Disposal Area. IR Site 1 encompasses the northwest corner of Alameda NAS, and includes Parcels 1, 2, 5, and 6, and the western one-half of Parcel 8. IR Site 1 is currently being investigated under the Installation Restoration Program (IRP).

During its years of operation (1943-1956), IR Site 1 was the base's main site for waste disposal, and the site reportedly received all waste generated at NAS Alameda except liquid waste, which was discharged directly to the Seaplane Lagoon.

Canonie reported Site 1 to be approximately 120 acres in area (Canonie, 1990d). Based on an examination of aerial photographs, the portion of Site 1 where material was actually buried may be as small as 12 acres. This 12-acre area is located to the northeast of Parcel 6. Based on historical information, it appears that Parcel 6 was not used for waste disposal. The photographic evidence also suggests that approximately 15 of the 120 acres were used for the storage of construction and military materials. Details of the site, fill, and disposal histories,

current operations, and site hydrogeology are presented in the SWAT report (PRC/Montgomery Watson, 1993a).

Three previous investigations have been conducted at Site 1. These investigations included soil and ground water sampling for purgeable hydrocarbons, total recoverable hydrocarbons, SVOCs, PCBs, metals, radiation, pH, and asbestos. Wahler Associates completed the first investigation of Site 1 in late 1984 under the NACIP program. As mandated by the RWQCB in 1987, the second investigation, an initial SWAT investigation, was conducted at Site 1 by Canonie in 1990. The third investigation (the second and more extensive phase of the field investigation for the SWAT report) was subsequently conducted at Site 1 in 1992 by the PRC team. Because Parcel 6 is located outside the area of previous waste disposal, no soil sampling has been conducted on this parcel.

As mentioned previously, this parcel is being investigated under the IRP for IR Site 1. This PEP does not duplicate the proposed sampling efforts as part of the IRP. Rather, it evaluates target areas that may have resulted from the recent use of the site as an arms magazine.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Buildings 353 and 354

Buildings 353 and 354, located in the central portion of the parcel, were reportedly constructed in 1952. They are used as high explosives magazines (Figure 6-6-1). These buildings are approximately 1,400 square feet in size, and are constructed of concrete and have a soil cover. The space occupied by Buildings 353 and 354 was formerly vacant open space. There are no utilities located within or immediately surrounding Buildings 353 and 354.

Information collected during the EBS indicates that these building are used to store a variety of ordnance and high explosives. There has been no documented usage or spillage of chemicals associated with Buildings 353 and 354. It is reported that the ordnance is delivered and taken from the site in a packaged condition; therefore spillage is unlikely. The site inspection conducted during the EBS indicates that some minor undocumented spillage may have occurred. A 3-foot by 3-foot white stain was present on the concrete floor inside Building 354. The cause of this stain is unknown, but it appeared to be the result of a relatively minor amount of material.

Buildings 353 and 354 are not equipped with a heating-ventilation-air conditioning (HVAC) system. Other incidents, including fires, explosions, or flooding are not documented to have occurred within this building.

Building 441

Building 441 was constructed in 1959 and serves as guard and watch tower (Figure 6-6-1). This building is in good condition. Building 441 is a two story, all-wooden building. It covers approximately 120 square feet. The space occupied by Building 441 was formerly vacant open space. Utilities located within and immediately surrounding Building 441 include telephone, and electrical lines.

Based on the historical review conducted, it does not appear that hazardous materials were used or stored at Building 441. Building 441 is not equipped with a HVAC system. Other incidents, including fires, mishaps, or flooding are not documented to have occurred within this building.

Building 442

Building 442 was constructed in 1959 and serves as a guard and watch tower. This building is in good condition. Building 442 is a two-story building constructed of concrete block walls with a concrete floor and ceiling, and occupies approximately 400 square feet. The space occupied by Building 442 was formerly vacant open space. Utilities located within and immediately surrounding Building 442 include telephone and electrical lines.

Information collected during the EBS indicates that this building has been used as a guard and watch tower. This building contains a back-up, diesel-powered, electrical generator. The diesel supply tank is located outside the building. An oil-filled transformer that may contain PCB oil is also present in this building.

Based on the historical review conducted, it does not appear that hazardous materials were used or stored at Building 442. Building 442 is not equipped with a HVAC system. Other incidents, including fires, mishaps, or flooding are not documented to have occurred within this building.

Open Space

The open space covers approximately 99 percent of the parcel. The ground surface of the open space is covered with asphalt, soil, and grassland with shrubs. The open space is 90 percent grassland; ten percent of the open space is paved with asphalt. These unpaved open space areas are shown on Figure 6-6-1. These areas have been unpaved or landscaped since the 1950s.

There are no utilities located within or immediately surrounding the open space. EBS information indicates that the majority of this open space is vacant or contains roadways. It appears that the open space was always used for this purpose, though gaps in the historical record exist.

Other incidents, including fires, mishaps, or flooding are not documented to have occurred within the open space of this parcel.

Underground Storage Tanks

One abandoned tank is present at this parcel (Tank 442) It is unknown when this tank was installed. Tank 442 is located on the east side of Building 442. Tank 442 was used to store diesel fuel and has a capacity of up to 1,000 gallons. The presence of Tank 442 was identified from historical data and visual inspections. Based on the available information, this tank has been abandoned for several years. This tank is scheduled to be removed. Investigation of this tank has been completed as described in the October 1988 ERM-West, Inc. report entitled *Abandoned Underground Storage Tank Investigation*. Results of the investigation for Tank 442 detected aromatic volatile organic compounds in the tank. No chemicals were detected in the soil and no groundwater sample was taken. The available information did not identify why the tank was abandoned. However, based on general comments made by NAS Alameda personnel, a tank was most commonly abandoned because it was leaking.

This tank has been identified as a RCRA tank based on its former use as diesel storage for a diesel generator.

Parcel Boundary Conditions

Parcel 6 is bounded by Parcels 5 and 7. Activities of concern on these adjacent parcels include the buried hazardous materials associated with the landfill. As mentioned previously, Parcels 5 and 6 are included in IR Site 1, and Parcel 7 is IR Site 2. These parcels are part of an ongoing IR investigation.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with this site on the parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes one RCRA site (SWMU#UST-14). This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, this RCRA site does not require further investigation. A brief description of the RCRA site is provided below.

SWMU#UST-14 is located on the east side of Building 442, and it is unknown whether any chemicals were released from this site. SWMU#UST-14 is an underground storage tank with a capacity of 1,000 gallons. The chemicals of concern associated with this site are diesel fuel. This tank is currently abandoned. This site was identified during the RCRA Facility Assessment (RFA) as requiring a RCRA Facility Investigation (RFI). The UST will be removed and investigated under the UST program, which will meet the requirements of the RFA. This tank was identified as a RCRA tank based on its past use and contents.

Parcel Reclassification and Data Gaps Summary

The available information suggests that this parcel may be reclassified from BRAC Category 7 to BRAC Category 6. This parcel has been reclassified to BRAC Category 6 because it is part of IR Site 1. Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-6-1 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites.

No Industrial Hygiene (IH) sampling is required for Parcel 6 because no industrial buildings are present. Although no IH sampling is specified in this PEP, IH issues are potentially of concern in Buildings 353 and 354.

TABLE 6-6-1

Summary of Data Gaps
NAS Alameda Parcel 6

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 6.
Installation Restoration (IR) Sites	• IR Site 1 (the 1943-1956 Disposal Area) contains Parcel 6. Additional subsurface investigation, including groundwater monitoring wells, relative to IR Site 1 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• No PCB-containing electrical equipment identified.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels that are not part or IR sites identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• One UST (SWMU#UST-14) currently exists at Parcel 6; however it is scheduled to be removed.
Underground Utilities	• Telephone and electrical lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
- Steam Lines	• No steam lines identified.

TABLE 6-6-1

Summary of Data Gaps
NAS Alameda Parcel 6

Data Gap	Status/Description
Wetlands	• No wetlands identified.
Other	• Associated with former landfill.

As noted earlier, Parcel 6 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Additionally, previous investigations have included surface soil sampling for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 6.

Once the data gaps in Table 6-6-1 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 6 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

No zone-wide or parcel-specific target areas were identified for this parcel; however, several other concerns pertaining to asbestos-containing material, lead-based paint, USTs, underground utilities, industrial hygiene, radiological concerns, and IR sites must be resolved before this parcel can be leased and/or transferred.

SECTION 6-7

PARCEL 7 EVALUATION PLAN

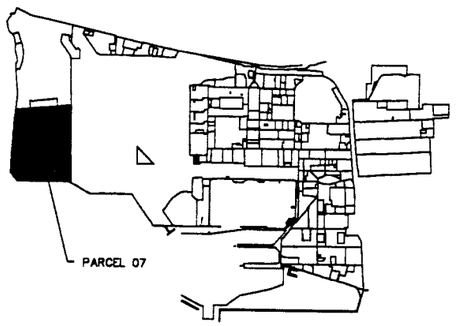
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 7 at NAS Alameda (Figure 6-7-1). The parcel, which is located in the southwest corner of the base, is approximately 110 acres in size and is roughly square in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. Historical activities for Parcel 7 are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 7, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 1, 2, 5, and 6. This parcel zone has been designated the Western Landfill Zone (Zone 1). The Western Landfill Zone encompasses the parcels that may have been used historically for waste disposal at NAS Alameda. During the sampling program development, the parcels located in the zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. As described below, the parcels in this zone are being investigated for landfill-related environmental concerns under the Installation Restoration Program (IR Sites 1 and 2). Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 1.



KEY PLAN

GENERAL LEGEND

PARCEL OUTLINE

SAMPLING PLAN BY OTHERS

- SOIL BORING INSTALLED BY CANONIE IN 1990
- PROPOSED SURFACE SOIL SAMPLES (PRC)
- PROPOSED SOIL BORING (PRC)

STORM DRAIN LEGEND

- MANHOLE & No.
- CATCH BASIN
- STORM SEWER LINE

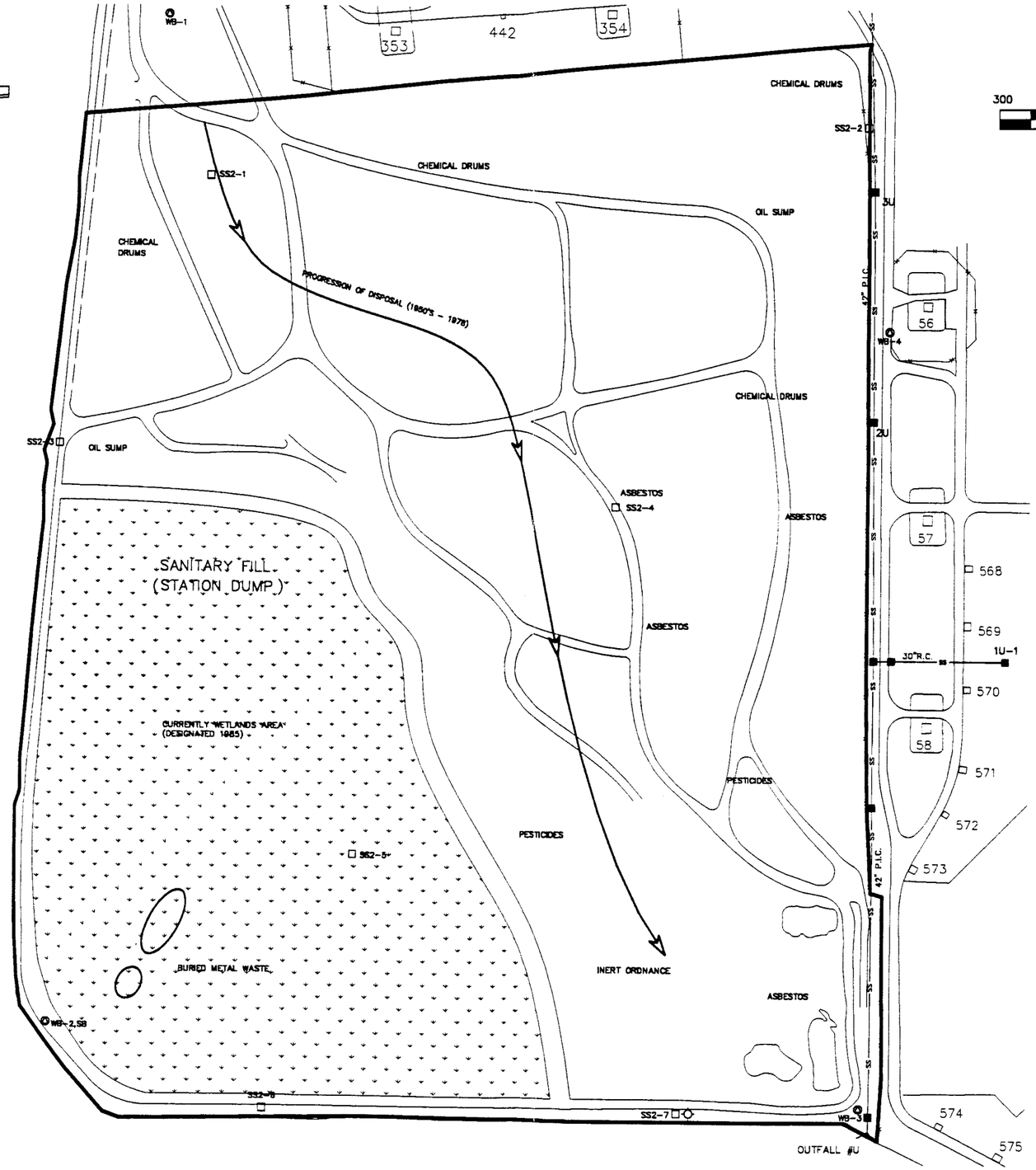
MATERIALS:

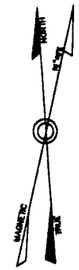
R.C. – REINFORCED CONCRETE
P.I.C. – PAVED INVERT CORRUGATED METAL

SCALE IN FEET

300 0 300 600 900

1" = 300'





NAVAL AIR STATION, ALAMEDA

FIGURE 6-07-1
PARCEL 07
PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO.	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS:
19590007.DWG	PWC 17,629 (STORM DRAINS) PWC 108,728 (SANITARY SEWER) PWC 23,997 (INDUSTRIAL WASTES) HISTORIC DWGS IN EBS DATABASE (FUEL LINES)
SCALE AS NOTED	DATE: 10.27.94/2121.96.45 SHEET 1 OF 1

Filling began in the area covered by this parcel in 1953. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1975. Because of the operations at the landfill, the site topography and features changed considerably over time.

No buildings or structures are present on this parcel; it is entirely open space. The parcel area is presently a wetlands area.

Parcel 7 is part of an Installation Restoration (IR) Program site (IR Site 2). Previous investigations have been conducted at Parcel 7 and specific data regarding potential chemical occurrence are available.

Most PCBs (see protocols in Section 3 for exceptions) and radiological considerations on this parcel will be addressed in other sampling programs and are not considered in this PEP.

Previous investigations at Parcel 7 are described below.

Previous Investigations

This parcel exists in the location of a former NAS Alameda landfill. In previous phases of investigation at NAS Alameda, this landfill is referred to as IR Site 2 or the West Beach Landfill. IR Site 2 encompasses all of Parcel 7. IR Site 2 is currently being investigated under the Installation Restoration Program (IRP).

IR Site 2 (the West Beach Landfill) occupies approximately 110 acres in the southwestern corner of NAS Alameda and is located south of IR Site 1 (the 1943-1956 Disposal Area). The western and southern borders of Site 2 are San Francisco Bay. A portion of the southwest half of Site 2 (approximately 42 acres) is within the city and county of San Francisco. The remainder of Site 2 is located in the city and county of Alameda. Details of the site, fill, and disposal histories, current operations, and site hydrogeology are presented in the SWAT report (PRC/Montgomery Watson, 1 993a) .

Site 2 is bounded on the west and south by San Francisco Bay and to the north and east by a fence with locked gates. The fence runs along Perimeter Road and the Runway Area. The landfill is surrounded by an earthen berm approximately 55 feet wide and 7 feet high. There are piles of construction debris located in the southeastern portion of the site. The refuse disposal area is moderately- to well-vegetated with grasses, and supports a variety of wildlife. A small wetland area within the disposal area provides a nesting area for birds and is well-vegetated with grasses. Site 2 is no longer used for any air station operations or activities.

This landfill operated from the 1950s to 1978 and was used for disposal of chemical drums, asbestos, pesticides, inert ordnance, dredge spoils, and metal wastes. Two oil sumps were also reported to exist at this landfill.

Several previous investigations have been conducted at Site 2. Harding Lawson Associates (HLA) conducted several investigations in conjunction with the plan to close Site 2 as a Class II disposal facility. As mandated by the RWQCB in 1987, an initial SWAT investigation was conducted at Sites 1 and 2 by Canonie in 1990. A second, and more extensive, phase of the field investigation for the SWAT report was subsequently conducted at Sites 1 and 2 in 1991 by the PRC team. Detailed results of the Canonie and PRC team investigations were submitted, respectively, to DTSC in the Phases 1 and 2A DSR, (PRC/Montgomery Watson, 1993b), and the PRC team report titled *Solid Waste Water Quality Assessment Test (SWAT) Report, RI/FS Phases 5 and 6, final,* dated September 1992 (PRC/Montgomery Watson, 1993a). Much of the work at this site involved installation of monitoring wells around the perimeter of the parcel. Several soil and wetland sediment samples were also collected and analyzed for VOCs, SVOCs, pesticides, and PCBs. Soil samples were collected at the surface and at depth between 1.5 feet and 45 feet below ground surface. Several chemicals were detected in these samples, including: VOCs (detected at levels of 8 µg/kg to 130 µg/kg), SVOCs (detected at levels of 2,300 µg/kg to 8,300 µg/kg), and pesticides/PCBs (detected at levels of 19 µg/kg to 400 µg/kg). One sample collected from the southeast corner of the parcel contained levels of several polynuclear aromatic hydrocarbons (benzo(a)anthracene, benzo(b)flouranthene, benzo(k)flouranthene, benzo(a)pyrene, and indeno(1,2,3-cd)pyrene) that exceeded residential PRGs. The levels of benzo(b)flouranthene and benzo(a)pyrene in this sample also exceeded industrial PRGs.

As mentioned previously, this parcel is being investigated under the IRP. This PEP does not duplicate the previous or proposed sampling efforts of the IRP. Rather, it evaluate potential target areas that may have resulted from the recent use of the site as a wetlands.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Open Space

The open space covers the entire parcel. The northern and southeastern portion of the parcel is covered by grassland and has several unpaved roads running through it. These unpaved open space areas are shown on Figure 6-7-1. These areas have been unpaved or landscaped since the 1950s. The southwest portion of the parcel was

designated a wetlands in 1985. There are no utilities located within and immediately surrounding the open space.

EBS information indicates that this parcel was vacant prior to being used as a landfill. After the closure of the landfill in 1978, it has remained open space.

There is no evidence that chemicals were stored in or used at this parcel. Other incidents, including fires, mishaps, or flooding are not documented to have occurred within the open space of this parcel.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 7 is bounded by Parcels 5, 6, and 23. The San Francisco Bay borders the parcel to the west and south. As mentioned previously, Parcels 1, 2, and 5 are all part of IR Site 1, the 1943-1956 Disposal Area. These parcels are part of an ongoing IR investigation.

Parcel Reclassification and Data Gaps Summary

The available information suggests that this parcel may be reclassified from BRAC Category 7 to BRAC Category 6. This parcel has been reclassified to BRAC Category 6 because it is part of IR Site 2. Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-7-1 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: radiological concerns and Installation Restoration Sites. No Industrial Hygiene (IH) sampling is required for Parcel 7 because no buildings are present.

As noted earlier, Parcel 7 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that

TABLE 6-7-1

Summary of Data Gaps
NAS Alameda Parcel 7

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• No ACM issues identified.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No buildings exist at Parcel 7.
Installation Restoration (IR) Sites	• IR Site 2 (West Beach Landfill) contains Parcel 7. Additional subsurface investigation, including groundwater monitoring wells, relative to IR Site 2 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• No LBP issues identified.
PCB-Containing Equipment	• No PCB-containing electrical equipment identified.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels that are not part of IR sites identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• No evidence of underground utilities identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.

TABLE 6-7-1

Summary of Data Gaps
NAS Alameda Parcel 7

Data Gap	Status/Description
- Steam Lines	• No steam lines identified.
Wetlands	• Wetlands exist at Parcel 7.
Other	• Associated with former landfill.

likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Additionally, previous investigations have included surface soil sampling for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 7.

Once the data gaps in Table 6-7-1 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 7 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

No zone-wide or parcel-specific target areas were identified for this parcel; however, other concerns pertaining to radiological concerns and IR sites must be resolved before this parcel can be leased and/or transferred.

SECTION 6-Z2

ZONE 2 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 2 at NAS Alameda (Figure 6-Z2-1). Zone 2 has been designated the Northwest Ordnance Storage Zone and encompasses the parcels that have historically been used for storage and/or repair of small arms, ordnance, and munitions. Zone 2 is comprised of Parcels 3, 8, 12, and 13. During the sampling program development, the parcels located in this zone were evaluated together. One zone-wide target investigation area (target area) and four parcel-specific target areas have been identified in this zone. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling, subsurface Geoprobe soil sampling, and soil vapor sampling. Table 6-Z2-1 provides the complete list of samples and analyses prescribed for this zone, and Figure 6-Z2-1 illustrates all sample locations for the entire zone, including parcel-specific sampling. This zone evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 2, historical activities are discussed below.

Zone 2 Background and Historical Activities

This subsection briefly summarizes EBS information available for buildings, open spaces, and boundaries of Zone 2 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the Parcel Evaluation Plans (PEPs) for the parcels contained in this zone.

Past and present use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs (the non-intrusive investigation[1]). This

[1] The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.

TABLE 6-Z2-1

Summary of Recommended Samples
NAS Alameda Zone Z2

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z2-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 02 Target Area 1	DDT, PCBs	Pesticides	CLP RAS
Z2-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 02 Target Area 1	DDT, PCBs	Pesticides	CLP RAS
Z2-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 02 Target Area 1	DDT, PCBs	Pesticides	CLP RAS
Z2-4-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 02 Target Area 1	DDT, PCBs	Pesticides	CLP RAS
Z2-5-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 02 Target Area 1	DDT, PCBs	Pesticides	CLP RAS
Z2-6-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 02 Target Area 1	DDT, PCBs	Pesticides	CLP RAS
Z2-7-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 02 Target Area 1	DDT, PCBs	Pesticides	CLP RAS
Z2-8-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 02 Target Area 1	DDT, PCBs	Pesticides	CLP RAS
Z2-9-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 02 Target Area 1	DDT, PCBs	Pesticides	CLP RAS

information was used to determine areas on the zone where sampling was deemed necessary to delineate potential impacts of compounds of concern.

Zone 2, the Northwestern Ordnance Storage Zone, encompasses four parcels that have historically been used for storage and/or repair of small arms, ordnance, and munitions. During the sampling program development, the parcels located in this zone were evaluated together to better address zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of specific parcel concerns is provided in the PEPs for individual parcels.

Filling began in the area covered by this zone in the early 1900's. Prior to this time, the zone area was completely inundated by San Francisco Bay. The northern area that was initially filled contained railroad tracks that were used to access a ferry terminal to the west of Zone 2. The remaining zone area was filled between 1916 and 1939. The area within the zone boundary was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, 17 buildings and two structures (Structure 96A on Parcel 12 and Structure 96B on Parcel 13) cover approximately five percent of the zone. The remaining 95 percent is open space. Three buildings were formerly located at this zone and have since been demolished. The zone area is presently in use as a storage area for impounded vehicles, ammunition (including Group B and Group D chemical ammunition), munitions, and small arms.

Zone 2 contains one Installation Restoration (IR) Program site (IR Site 14, Fire Training Area) and partially contains another IR site (IR Site 1, 1943-1956 Disposal Area). In addition, IR Site 20, the Oakland Estuary, borders Parcel 12 to the north. Previous investigations have been conducted in Zone 2 at Parcel 12 and near Parcel 8; specific data regarding potential chemical occurrence are available. Further subsurface investigations related to the nearby IR sites have been proposed within and immediately surrounding Zone 2. Details of previous and proposed investigation activities are described in the corresponding PEPs.

Sewer lines present on this zone are illustrated in the individual PEP figures. Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns and asbestos-containing materials on Zone 2 will be addressed in other sampling programs and are not considered in this ZAP. Industrial hygiene may potentially be of concern in Buildings 26, 420, 594, 52, 53, 355, 356, 357, 358, and 359. Historical aerial photographs indicate that

the open space of Zone 2 has been at least partially unpaved since 1947. Pesticides, which may have been used to suppress vegetation in the unpaved areas, may have impacted the soil in this zone.

Underground Storage Tanks

Four underground storage tanks (Tanks 594-1, 594-2, 420-2, and FS-357) are present at this zone. Tanks 594-1, 594-2, and 420-2 are located on Parcel 8, while Tank FS-357 is located in the northeastern portion of Parcel 12. Underground storage tanks (USTs) are being investigated and removed through the UST Program.

Tank 594-1 stores diesel, has a capacity of 1,000 gallons, and is inactive. This tank failed a tightness test in October 1991. Tank 594-2 stores diesel, has a capacity of 1,000 gallons, and is active. This tank passed October 1991 tank and piping tests. The piping associated with Tank 594-2 reportedly could not be tested. Tanks 594-1 and 594-2 are scheduled to be removed.

Tank 420-2 (also referred to as SWMU UST-13), located near the north side of Building 420, stores diesel and has a capacity of 1,000 gallons. This inactive tank reportedly stored fuel for an emergency generator. Two soil samples collected near the fillpipe of Tank 420-1 during a 1988 ERM investigation contained TPH-diesel, toluene, and xylenes at maximum concentrations of 4,600 ppm, 0.08 ppm, and 0.03 ppm, respectively. Two tanks (Tanks 420-1 and 420-2) were formerly believed to exist near Building 420. A 1988 ERM investigation revealed that only one tank (Tank 420-2) exists near this building; the fillpipe for "Tank 420-1" was determined to be the fillpipe for Tank 420-2. Tank 420-2 is scheduled to be removed.

Tank FS-357 is used to store diesel, has a capacity of 1,000 gallons, and is inactive. A 1988 ERM investigation sampled the contents of this tank and collected one soil sample near Tank FS-357. Sampling of the tank contents revealed TPH-gasoline, benzene, toluene, and lead (in liquid and solid phases). The soil sample contained TPH-gasoline, benzene, and toluene at concentrations of 31 ppm, 0.08 ppm, and 0.1 ppm, respectively. A strong hydrocarbon odor was noted during the sampling. Tank FS-357 is inactive and is scheduled to be removed.

RCRA Sites

This zone contains three RCRA sites (GAP 11 on Parcel 3 and SWMU/GII-5, also known as GAP 7, and SWMU UST-13 on Parcel 8). These sites were evaluated consistent with the criteria applied to other

potential target areas at the zone. Under these criteria, of the three RCRA sites at this zone, GAP 11 and SWMU/GII-5 require further investigation. SWMU/GII-5 is listed in the RCRA Part B Permit and must be investigated as part of the IR or UST Programs. A brief description of each RCRA sites is provided in the corresponding PEPs. The sampling proposed for GAP 11 and SWMU/GII-5 is also described in the corresponding PEPs.

Zone Boundary Conditions

Zone 2 is bounded by Zones 1, 3, 4, and the Oakland Inner Harbor. Activities of concern include the former landfill and waste disposal area in Zone 1 (IR Site 1, 1943-1956 Disposal Site), IR Site 14 (Fire Training Area) in Zones 2 and 3, and the Oakland Inner Harbor (IR Site 20), which borders Parcel 2 to the north.

Zone Target Areas and Compounds of Concern

This zone contains one zone-wide target area and five parcel-specific target areas. This subsection of the ZAP discusses specific zone-wide target area and provides an overview of the parcel-specific target areas. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this zone. Detailed information regarding the parcel-specific target areas and the proposed sampling is provided in the PEPs for individual parcels. The nature and locations of the zone-wide and parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

Zone 2 Target Area

- Zone 2 Target Area 1 (Unpaved/Landscaped Areas): Based on historical aerial photographs, the open space of Zone 2 has been partially unpaved since at least 1947. Zone 2 Target Area 1 includes all currently/formerly unpaved areas within the Northwest Ordnance Storage Zone. Unpaved areas may have been impacted by pesticides that were used to suppress vegetation. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. A range of unpaved areas will be sampled to assess potential risk, if any, from historical pesticide application. This target area is classified as having potential likelihood of impacts. Surface soil samples for pesticides will be

collected from the nine zone-wide locations shown on Figure 6-Z2-1. Samples to be collected in this target area are listed in Table 6-Z2-1.

Parcel 3 Target Area

- Target Area 1 (GAP 11, Hazardous Materials Storage Area): The soil beneath the pavement under the flammable liquids storage shed and hazardous materials locker located west of Building 26 may have been impacted by releases of VOCs and metals from containers stored within these structures. This target area, which includes GAP 11, covers approximately 400 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in Target Area 1 are listed in Table 6-3-1. One subsurface Geoprobe soil sample and one surface soil sample will be collected from the parcel-specific locations shown on Figure 6-3-1.

Parcel 8 Target Area

- Target Area 1 (Building 420): This target area is located in Building 420. This area was used to store and repair torpedoes and other equipment. The chemicals of concern in this target area include fuel, lubrication oils, and solvents. A stain was observed near the location of a former generator. Inactive GAP site (SWMU/GII-5) is located in this building. Limited sampling is required in order to comply with the requirements of the Part B Permit. Two surface soil samples and two subsurface Geoprobe soil samples will be collected from the locations shown on Figure 6-8-1.

Parcel 12 Target Areas

Two parcel-specific target areas were identified for Parcel 12 as indicated below. Twelve surface soil samples will be collected from this parcel. Sample locations are shown on Figure 6-12-1.

- Target Area 1 (Historical Aircraft Parking Area): Historical storage of aircraft in this area may have resulted in impacts to parcel soils from petroleum hydrocarbons. This target area covers approximately 70,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in Target Area 1 are listed in Table 6-12-1.

- Target Area 2 (Bunker Area): The soils and gravel adjacent to the building entrances in the bunker area (central and eastern portion of the parcel) may have been impacted by metals from munitions

handled at these locations. This target area covers approximately 65,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in Target Area 2 are listed in Table 6-12-1.

Parcel 13 Target Area

- Target Area 1 (Buildings 388, 120, 121, and 122): Based on staining observed during the site inspection, the floors of these buildings may have been impacted by releases of TPH and metals stored or handled in the buildings. This target area covers approximately 4,600 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in Target Area 1 are listed in Table 6-13-1. Four surface soil and four soil vapor samples will be collected from the locations shown on Figure 6-13-1.

Screening-Level Investigation

Surface soil sampling (SOP 3), subsurface GeoProbe soil sampling (SOP 14), and soil vapor sampling (SOP 6) will be used to assess conditions in the zone and parcel-specific target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-Z2-1 summarizes screening-level sampling and analysis for the zone and parcel-specific target areas. A total of 19 surface soil samples, three subsurface Geoprobe soil samples, and four soil vapor sample will be collected from the parcel-specific locations shown on Figure 6-Z2-1. A total of nine surface soil samples will be collected from the zone-wide locations shown on Figure 6-Z2-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the zone areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater

sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-3

PARCEL 3 EVALUATION PLAN

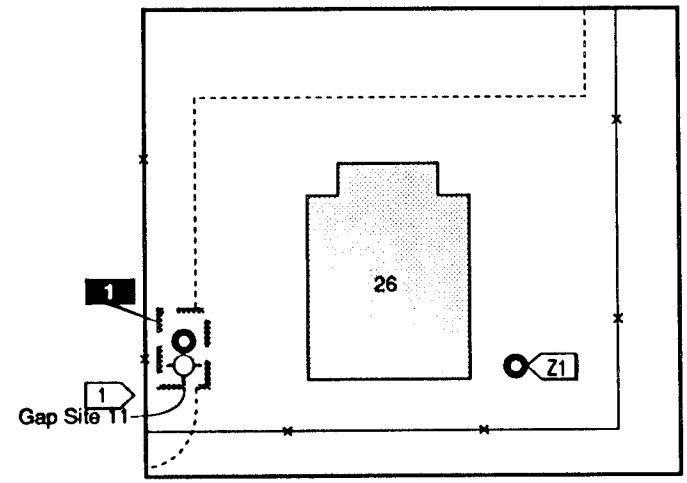
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 3 at NAS Alameda (Figure 6-3-1). The parcel, which is located in the northwestern portion of the base, is 0.6 acres in size and is square in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. One RCRA site may potentially be located at this parcel. One zone-wide and one parcel-specific target investigation areas (target areas) were identified on this parcel. One zone-wide target area sample is located on this parcel. Sampling procedures called for in the screening-level investigation in these areas include subsurface Geoprobe soil and surface soil sampling. Table 6-3-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance in with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 3, historical activities are discussed below.

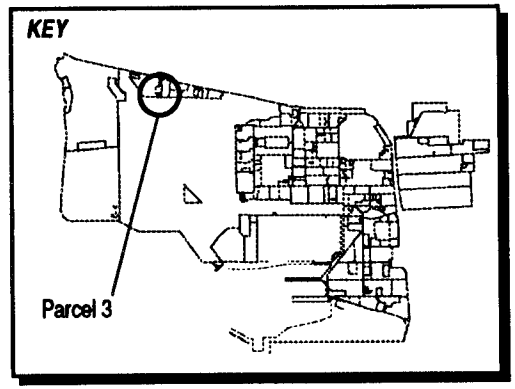
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 3, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

Parcel 3 has been grouped into a zone with Parcels 8, 12, and 13. This parcel zone has been designated the Northwestern Ordnance Storage Zone (Zone 2). The zone encompasses the parcels that have historically been used for storage and/or repair of small arms, ordnance, and munitions. During the sampling program development, the parcels located in this zone were evaluated together.





LEGEND

- Target Area 1
- Sewer Line
- Surface Soil Sample Location
- Geoprobe Location

1" = 60'

Magnetic
True North

Figure 6-3-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.11/DS/07.06.94

TABLE 6-3-1

Summary of Recommended Samples
NAS Alameda Parcel 3

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
3-1-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 1	Cleaning Solvents	VOCs	CLP RAS
3-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lead	Metals	CLP RAS
Z2-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 02 Target Area 1	DDT, PCBs	Pesticides	CLP RAS

Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 2.

Filling associated with the railroad tracks and ferry terminal formerly located along the northern edge of the current NAS Alameda runway area (including part of Parcel 3) began in the early 1900s. Prior to this time, the area was completely inundated by San Francisco Bay. The area within the parcel boundaries was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 26) covers approximately 10 percent of the parcel. The remaining 90 percent is open space. In general, the parcel area is presently used for small arms/pyrotechnics storage. Utilities located at this parcel include underground electrical and water lines. One transformer is also located at this parcel.

Parcel 3 is located approximately 300 feet south of an Installation Restoration (IR) Program site (IR Site 14, Fire Training Area). No previous investigations have been conducted at Parcel 3, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Activities of potential environmental or industrial hygiene concern within the parcel open space and building are described in detail below.

Building 26

Building 26 was constructed in approximately 1941 and serves as storage for small arms/pyrotechnics (Figure 6-3-1). This one-story building covers approximately 2,650 square feet and is generally in fair condition. Building 26 is constructed of concrete with a painted concrete floor and metal construction roof. Holes with protruding metal rods located around the perimeter of Building 26 appear to serve as electrical grounds for the building. These holes also collect runoff from the surrounding area.

Information collected during the EBS indicates that activities conducted within this building included cleaning of small arms and storage of live ammunition and guns. These activities involved the use or generation of chemicals and wastes including solvents and oils.

These processes occurred within Building 26 from the early 1940s to the present. Because it currently stores classified material, Building 26 could not be inspected.

Open Space

Open space covers approximately 90 percent of Parcel 3. The ground surface of the open space is mostly paved with asphalt, with intermittent patches of bare soil and grass. The pavement is generally in fair condition. Based on historical aerial photographs, the open space appears to have been partially unpaved since at least 1947.

Buildings 379A and 379B were formerly located in this open space. Both buildings were utilized as crew facilities and were constructed in the early 1950s. Building 379A was constructed of wood and covered approximately 210 square feet, and Building 379B was a Quonset hut and covered approximately 960 square feet. Both buildings were subsequently demolished. The activities conducted in these buildings are unknown.

The north side of Building 26 is used as a gun cleaning area. Two 55-gallon drums of cleaning solvent are stored inside a flammable liquids storage shed located on the west side of Building 26. Transfer of virgin and spent solvent between containers occurs within this storage shed. Spent solvent is disposed of in a 55-gallon drum. The ground surface under the storage shed is partially paved with asphalt and partially exposed soil. A hazardous materials locker is also located on the west side of Building 26. Two small oil stains are visible on the pavement west of Building 26. Floor finishing compound is stored in a shed located on the east side of Building 26.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 3 is bounded by Parcels 12, 13, 15, and 23 to the west, north, east, and south, respectively. There are no activities of environmental concern associated with the boundaries of these parcels that are likely to affect boundary areas of Parcel 3.

RCRA Sites

One RCRA site (GAP 11) is located on the west side of Building 26. Chemicals of concern at GAP 11 include solvents. Available information identifying GAP Site 11 conflicts. The site inspection locates GAP 11 on the west side of Building 26; however, the Part B permit indicates that GAP 11 is located at Building 162 (Parcel 135). The site will be investigated as part of the parcel evaluation plan.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 3, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-3-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, and radiological concerns.

No Industrial Hygiene (IH) sampling is required for Parcel 3 because no industrial buildings are present. However, because Building 26 was not inspected, the one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

As noted earlier, Parcel 3 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., unpaved areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling in unpaved areas has been addressed as a zone-wide issue for the parcels located in Zone 2.

Once the data gaps in Table 6-3-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 3 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-3-2

Summary of Data Gaps
NAS Alameda Parcel 3

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 14 (Fire Training Area) is located approximately 300 feet north of Parcel 3. Additional subsurface investigation relative to IR Site 14 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Pesticides may have impacted the long-term unpaved areas on Parcel 3.
Potential Parcel-Specific Release Areas	• GAP 11, Hazardous Materials Storage Area
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Electrical and water lines identified.

TABLE 6-3-2

Summary of Data Gaps
NAS Alameda Parcel 3

Data Gap	Status/Description
- Fuel Lines	• No underground or aboveground fuel lines identified.
- Steam Lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target areas and is also contained in a zone-wide target area. One zone-wide target area sample is located on this parcel. This subsection of the PEP discusses specific parcel target area and provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 2. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following parcel-specific target area was identified based on the potential release area described above and listed in Table 6-3-2.

- Target Area 1 (GAP 11, Hazardous Materials Storage Area): The soil beneath the pavement under the flammable liquids storage shed and hazardous materials locker located west of Building 26 may have been impacted by releases of VOCs and metals from containers stored within these structures. This target area, which includes GAP 11, covers approximately 400 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in Target Area 1 are listed in Table 6-3-1.

- Zone 2 Target Area 1 (Unpaved/Landscaped Areas): Based on historical aerial photographs, the open space of Zone 2 has been unpaved since at least 1947. Zone 2 Target Area 1 includes all currently/formerly unpaved areas within the Northwest Ordnance Storage Zone. Unpaved areas may have been impacted by pesticides that were used to suppress vegetation. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. A range of unpaved areas will be sampled to assess potential risk, if any, from historical pesticide application. This target area is classified as having potential likelihood of impacts. One surface soil sample for pesticides will be collected from the location shown on Figure 6-3-1. All samples to be collected in this zone-wide target area are listed in Table 6-Z2-1 and shown on Figure 6-Z2-1.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14). Table 6-3-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 3. One subsurface GeoProbe soil sample and one surface soil sample will be collected from the parcel-specific locations shown on Figure 6-3-1. One surface soil sample will be collected from the zone-wide location shown on Figure 6-3-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

The location of the soil samples shown on Figure 6-3-1 is approximate. The sample should be collected under the flammable liquids storage shed located on the west side of Building 26, near GAP 11. The sample should be located in the center of the darkest and largest stain observed in the field.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-8

PARCEL 8 EVALUATION PLAN

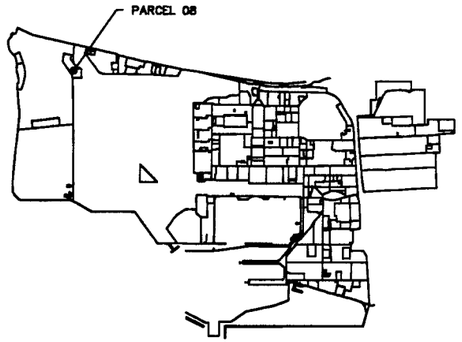
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 8 at NAS Alameda (Figure 6-8-1). The parcel, which is located in the northwestern portion of the base, is approximately six acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel reportedly contains two RCRA sites (GAP 7 and SWMU UST-13). GAP Site 7 has been identified in the Part B Permit as requiring a RCRA Facility Investigation (RFI). One zone-wide and one parcel-specific target investigation area (target area) have been identified on this parcel. Three zone-wide target area samples are located on this parcel. Surface soil and subsurface Geoprobe soil sampling will be used to accomplish the screening-level investigation. Table 6-8-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 8, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 8, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

Parcel 8 has been grouped into a zone with Parcels 3, 12, and 13. This parcel zone has been designated the Northwestern Ordnance Storage Zone (Zone 2). The zone encompasses the parcels that have historically been used for storage and/or repair of small arms,



KEY PLAN

GENERAL LEGEND

- PARCEL OUTLINE
- 24 — SURFACE SOIL SAMPLE & No.
- GeoProbe SOIL SAMPLE
- (1) — TARGET AREA & No.

SAMPLING PLAN BY OTHERS

- □ PROPOSED SURFACE SAMPLE FOR TPH & METALS (PRC)
- × PROPOSED SURFACE SAMPLE FOR PCB (PRC)

SANITARY SEWER LINE LEGEND

- (17-2) ■ SANITARY SEWER MANHOLE & No.
- P.S.17 ⊠ PUMP STATION & No.
- —SW— SANITARY SEWER LINE

MATERIALS:

- C.I. – CAST IRON
- PVC – POLYVINYL CHLORIDE
- AC – ASBESTOS CEMENT
- F.M. – FORCED MAIN

NOTES:

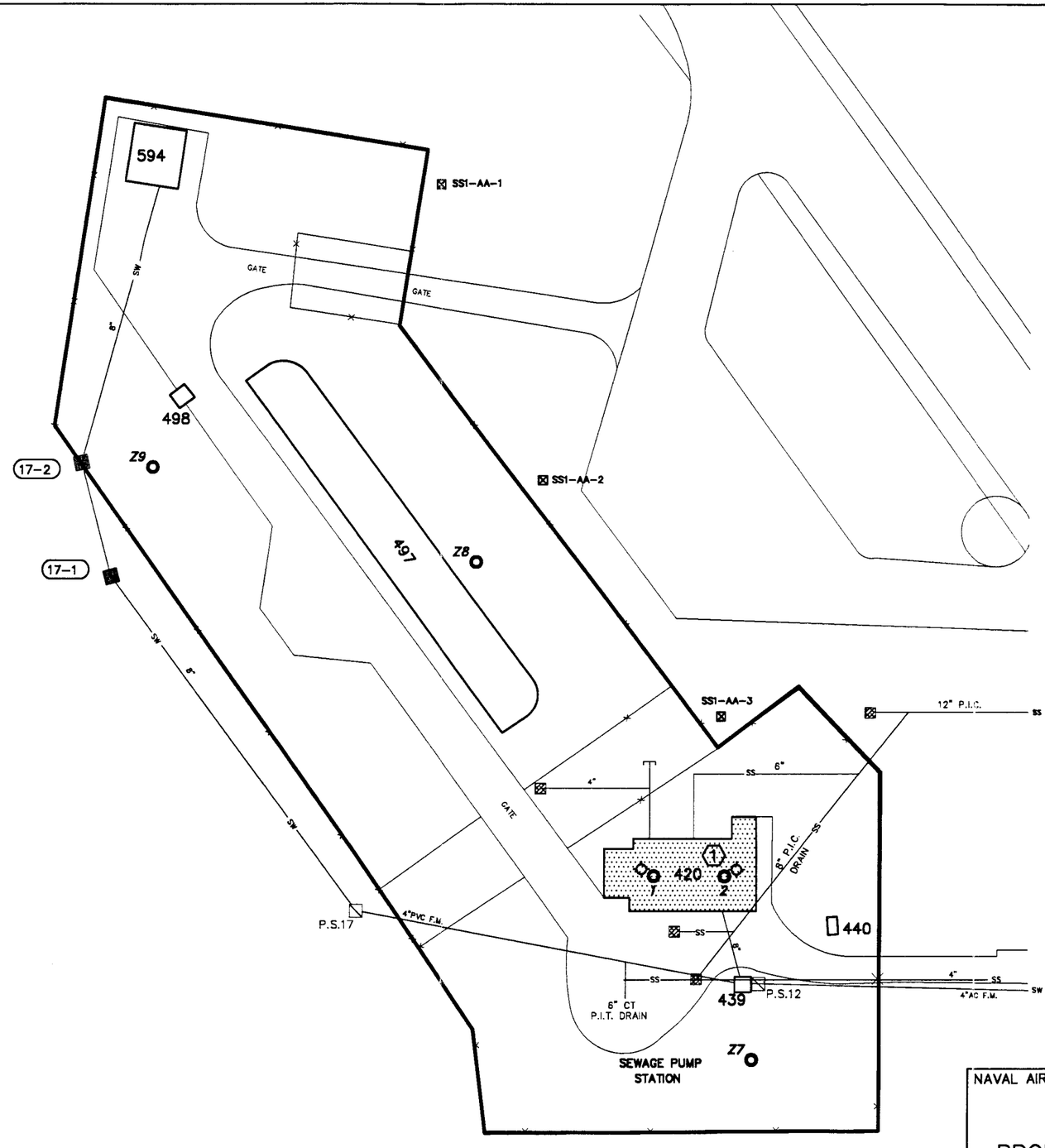
1. ALL SANITARY SEWERS ARE VITRIFIED CLAY PIPE UNLESS NOTED OTHERWISE.

STORM DRAIN LEGEND

- 12A-2 ▨ MANHOLE
- ▨ CATCH BASIN
- —SS— STORM SEWER LINE

MATERIALS:

- R.C. – REINFORCED CONCRETE
- P.I.C. – PAVED INVERT CORRUGATED METAL



SCALE IN FEET

100 0 100 200 300

1" = 100'

NAVAL AIR STATION, ALAMEDA

FIGURE 6-08-1
PARCEL 08
PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO.	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS:
19590008.DWG	PWC 17,629 (STORM DRAINS) PWC 108,728 (SANITARY SEWER) PWC 23,997 (INDUSTRIAL WASTES) HISTORIC DWGS IN EBS DATABASE (FUEL LINES)
SCALE AS NOTED	DATE: 2.10.95/2121.96.45 — SHEET 1 OF 1

TABLE 6-8-1

Summary of Recommended Samples
NAS Alameda Parcel 8

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
8-1-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Lubrication oil, fuel	TPH	Test Kit
8-1-0-S-V-DDMMYY	4'	GeoProbe	Soil	Target Area 1	Solvents	VOCs	CLP RAS
8-2-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Lubrication oil, fuel	TPH	Test Kit
8-2-0-S-V-DDMMYY	4'	GeoProbe	Soil	Target Area 1	Solvents	VOCs	CLP RAS
8-2-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 1	Lubrication oil, fuel	TPH	Modified EPA 8015
Z2-7-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 02 Target Area 1	DDT, PCBs	Pesticides	CLP RAS
Z2-8-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 02 Target Area 1	DDT, PCBs	Pesticides	CLP RAS
Z2-9-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 02 Target Area 1	DDT, PCBs	Pesticides	CLP RAS

* This is the suggested location for the confirmation sample. The actual location will depend on field analytical results.

ordnance, and munitions. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 2.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundaries was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, five buildings (Buildings 420, 439, 497, 498, and 594) cover approximately five percent of the parcel. The remaining 95 percent is open space. Sewer lines are present at this parcel and are shown on Figure 6-8-1. The parcel area is presently in use as a Marine weapons storage and repair facility.

Parcel 8 is partially located within an Installation Restoration (IR) site (IR Site 1, 1943-1956 Disposal Area) and approximately 400 feet south of another IR site (IR Site 20, Oakland Estuary). No previous investigations have been conducted at Parcel 8, and specific data regarding chemical occurrence at this parcel are not available. However, additional sampling that has been proposed near Parcel 8 as part of the IR Site 1 investigation is shown on Figure 6-8-1.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Previous Investigations

This parcel exists in the eastern portion of a former NAS Alameda landfill. In the previous phases of investigation at NAS Alameda this landfill is referred to as IR Site 1 or the 1943-1956 Disposal Area. IR Site 1 encompasses the northwest corner of Alameda NAS, and includes Parcels 1, 2, 5, and 6, and the western one-half of Parcel 8. IR Site 1 is currently being investigated under the Installation Restoration Program (IRP).

During its years of operation (1943-1956), IR Site 1 was the base's main site for waste disposal, and the site reportedly received all waste

generated at NAS Alameda except liquid waste, which was discharged directly to the Seaplane Lagoon.

Canonie reported Site 1 to be approximately 120 acres in area (Canonie, 1990d). Based on an examination of aerial photographs, the portion of Site 1 where material was actually buried may be as small as 12 acres. This 12-acre area is located to the west of Parcel 8. The photographic evidence also suggests that approximately 15 of the 120 acres were used for the storage of construction and military materials. Details of the site, fill, and disposal histories, current operations, and site hydrogeology are presented in the SWAT report (PRC/Montgomery Watson, 1993a).

Three previous investigations have been conducted at Site 1. These investigations included soil and groundwater sampling for purgeable hydrocarbons, total recoverable hydrocarbons, SVOCs, PCBs, metals, radiation, pH, and asbestos. Wahler Associates completed the first investigation of Site 1 in late 1984 under the NACIP program. As mandated by the RWQCB in 1987, the second investigation, an initial SWAT investigation, was conducted at Site 1 by Canonie in 1990. The third investigation, the second and more extensive phase of the field investigation for the SWAT report, was subsequently conducted at Site 1 in 1992 by the PRC team. Because Parcel 8 is located 500 to 1,000 feet from the actual waste burial area, no sampling has been conducted on this parcel as part of the previous investigations.

As mentioned previously, this parcel is being investigated under the IRP. This PEP does not duplicate the previous or proposed sampling efforts as part of the IRP. Rather, it identifies specific target areas that have resulted from the recent use of the site as a Marine weapons storage and repair facility.

Buildings 420

Building 420, located in the southern portion of the parcel, was reportedly constructed in 1966 (Figure 6-8-1). This building has previously been used for storage and repair of torpedoes. These types of industrial processes typically involve the use or generation of chemicals and wastes, including fuel, lubrication oil and potentially solvents used for parts cleaning. It is currently used for ammunition storage and repair. The ordnance is stored in crates and lockers.

Building 420 is constructed with concrete block and a concrete floor. This building is in good condition and occupies approximately 7,000 square feet. The space occupied by Building 420 was formerly vacant open space. Utilities located within or immediately

surrounding Building 420 include underground electrical, sanitary sewer, storm sewer, and water lines. One transformer is also located within this building.

Storage of approximately ten cylinders of oxygen and nitrogen, and small quantities (10 to 20 gallons total) of spray paint and motor oil was observed in Building 420. Hazardous waste containing non-halogenated organic compounds was reported to be stored in this building, although the quantities and exact locations were not reported. There has been no documented spillage of chemicals associated with Building 420. The site inspection conducted during the EBS indicates that some minor spillage may have occurred. A six foot by six foot stain was present on the concrete floor adjacent to the former location of a generator. The cause of this stain is unknown, but it appeared to be the result of a relatively small quantity of material.

Building 420 is equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents such as fires, mishaps, or flooding are documented to have occurred within this building.

Building 439

Building 439 serves as a sewage pumping station (Figure 6-8-1). This building was not inspected during the site inspection. Building 439 covers approximately 170 square feet. The space occupied by Building 439 was formerly vacant open space. Utilities located within or immediately surrounding Building 439 include underground electrical, storm sewer, and sanitary sewer lines.

Information collected during the EBS indicates that this building has been used as a sewage pumping station since it was constructed. Based on the historical review conducted, it does not appear that hazardous materials were used or stored at Building 439. Building 439 is not equipped with an HVAC system. No other incidents such as fires, mishaps, or flooding are documented to have occurred within this building.

Building 497

Building 497 was constructed in 1964 and serves as a special weapons magazine (Figure 6-8-1). This building covers approximately 5,000 square feet and is in good condition. Building 497 is a large concrete bunker covered with asphalt. The space occupied by Building 497 was formerly vacant open space. An electrical line is the only underground utility located near Building 497.

Information collected during the EBS indicates that this building has been used to store special weapons including torpedoes. Based on the historical review conducted, all ordnance is brought to this building and removed from this building in a packaged condition. It is unlikely that spillage or leakage has occurred. No other incidents such as fires, explosions, or flooding are documented to have occurred within this building.

Building 498

Building 498 was constructed in 1964 and serves as a guard watch tower (Figure 6-8-1). The tower is built on metal stilts and is constructed of reinforced concrete. The space occupied by Building 498 was formerly vacant open space. No underground utilities are located within or immediately surrounding Building 498.

Information collected during the EBS indicates that this building has been used as a guard watch tower since it was constructed in 1964. Based on the historical review conducted, it does not appear that hazardous materials were used or stored at Building 498. No other incidents such as fires, mishaps, or flooding are documented to have occurred within this building.

Building 594

Building 594 is located at the northeast corner of the parcel (Figure 6-8-1). This one-story building is constructed of concrete block with a cement floor and metal roof, and covers approximately 3,100 square feet. Building 594 is currently used for office and living space, but was previously used as a shop for underwater weapons. The space occupied by this building was formerly vacant open space.

Utilities located within or immediately surrounding Building 594 include underground sanitary and water lines. Although no chemicals are documented to have been stored in or used at this building, EBS information indicates that this building was used to store and repair underwater weapons and equipment. These types of industrial processes typically involve the use or generation of chemicals and wastes, including fuel, lubrication oil and possibly solvents used for parts cleaning. Building 594 is not equipped with an HVAC system. No other incidents such as fires, mishaps, or flooding are not documented to have occurred within Building 594.

Open Space

The open space covers approximately 90 percent of Parcel 8. The ground surface of the open space is covered with asphalt roadways, gravel, weeds, and brush. Utilities located within or immediately surrounding the open space include underground electrical, sanitary sewer, storm sewer, and water lines. According to a 1947 aerial photograph, equipment and/or vehicles and/or aircraft were stored in the eastern portion of the parcel. Apart from this 1947 aerial photograph, it appears that the open space has always been vacant. No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space of this parcel.

Underground Storage Tanks

Three underground storage tanks (Tanks 594-1, 594-2, and 420-2) currently exist at this parcel. Tanks 594-1 and 594-2 store diesel. Tank 594-1 is inactive and has a capacity of 1,000 gallons. This tank failed a tightness test in October 1991. Tank 594-2 is active and has a capacity of 1,000 gallons. This tank passed October 1991 tank and piping tests. The piping associated with Tank 594-2 reportedly could not be tested. Tanks 594-1 and 594-2 are scheduled to be removed.

Tank 420-2 (also referred to as SWMU UST-13), located near the north side of Building 420, stores diesel and has a capacity of 1,000 gallons. This inactive tank reportedly stored fuel for an emergency generator. Two soil samples collected near the fillpipe of Tank 420-1 during a 1988 ERM investigation contained TPH-diesel, toluene, and xylenes at maximum concentrations of 4,600 ppm, 0.08 ppm, and 0.03 ppm, respectively. Two tanks (Tanks 420-1 and 420-2) were formerly believed to exist near Building 420. A 1988 ERM investigation revealed that only one tank (Tank 420-2) exists near this building; the fillpipe for "Tank 420-1" was determined to be the fillpipe for Tank 420-2. Tank 420-2 is scheduled to be removed under the UST program.

Parcel Boundary Conditions

Parcel 8 is bounded by Parcels 5 and 23. Activities of concern on these adjacent parcels include buried hazardous materials associated with the Parcel 5, which is part of an IR site (IR Site 1, 1942-1956 Disposal Area). IR Site 1 is currently being investigated under the IR Program. It is unlikely that neighboring parcels have impacted Parcel 8. If the continuing investigations at IR Site 1 reveal a cause for concern at Parcel 8, then additional sampling on Parcel 8 may be appropriate.

RCRA Sites

Two RCRA sites (SWMU/GII-5, also known as GAP 7, and SWMU UST-13) are located at this parcel. These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, SWMU/GII-5 requires further investigation. In addition, this site is listed in the RCRA Part B Permit and must be investigated through the IR or UST Program for NAS Alameda. A brief description of each RCRA site is provided below.

SWMU GII-5 is located in Building 420 and is inactive. The site was apparently recommended for an RFI because the inspector conducting the RCRA Facility Assessment (RFA) could not access Building 420 as it was considered a restricted area. Chemicals of concern associated with this site include solvents and thinners. No known releases have occurred at this site. This site could not be located during the EBS site inspection. To comply with the requirements of the Part B Permit, sampling has been proposed in Building 420 in this PEP.

SWMU UST-13 is located near the north side of Building 420, and is currently inactive. The chemicals of concern associated with SWMU UST-13 include diesel fuel. No known releases have occurred at this site. This site is currently being investigated as part of the UST Program and is scheduled to be removed. This tank was identified as a RCRA tank based on its past use and contents. The tank description and results of the 1988 ERM investigation performed on this tank are provided in the Underground Storage Tank subsection above.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 8, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-8-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, industrial hygiene concerns, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated

TABLE 6-8-2

Summary of Data Gaps
NAS Alameda Parcel 8

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 1 (1943-1956 Disposal Area) is located adjacent to Parcel 8. Additional subsurface investigation relative to IR Site 1 is proposed by the IR contractor. • IR Site 20 (Oakland Estuary) is located approximately 400 feet north of Parcel 8. The status of any proposed subsurface investigations relative to IR Site 20 is unknown.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Pesticides may have impacted the long-term unpaved areas on Parcel 8.
Potential Parcel-Specific Release Areas	• Building 420.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

TABLE 6-8-2

Summary of Data Gaps
NAS Alameda Parcel 8

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• Three USTs (Tanks 594-1, 594-2, and 420-2) currently exist at Parcel 8 and are scheduled to be removed.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
- Steam Lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

with USTs and sewer lines is discussed in corresponding protocols presented in Section 3.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Buildings 420 and 594. The one-time compliance program will determine whether further sampling or cleanup measures are required within these buildings before transfer or lease can occur.

As noted earlier, Parcel 8 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., unpaved areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling in unpaved areas has been addressed as a zone-wide issue for the parcels located in Zone 2.

Once the data gaps in Table 6-8-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 8 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target area and is also contained in a zone-wide target area. This subsection of the PEP discusses the specific parcel target area and provides an overview of the zone-wide target area. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 2. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Building 420): This target area is located in Building 420. This area was used to store and repair torpedoes and other equipment. The chemicals of concern in this target area include fuel, lubrication oils, and solvents. A stain was observed near the location of a former generator. Inactive GAP site (SWMU/GII-5) is located in this building. Limited sampling is

required in order to comply with the requirements of the Part B Permit.

- Zone 2 Target Area 1 (Unpaved/Landscaped Areas): Based on historical aerial photographs, the open space of Zone 2 has been partially unpaved since at least 1947. Zone 2 Target Area 1 includes all currently/formerly unpaved areas within the Northwest Ordnance Storage Zone. Unpaved areas may have been impacted by pesticides that were used to suppress vegetation. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. A range of unpaved areas will be sampled to assess potential risk, if any, from historical pesticide application. This target area is classified as having potential likelihood of impacts. One surface soil sample for pesticides will be collected from the location shown on Figure 6-8-1. All samples to be collected in this zone-wide target area are listed in Table 6-Z2-1.

In addition, concerns pertaining to industrial hygiene (Buildings 420 and 594), asbestos, lead-based paint, PCBs, underground lines, radiological issues, the impacts of the adjacent IR site (IR Site 1), and USTs must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Screening-Level Investigation

Surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14) will be employed to assess conditions in the target area and to identify whether further sampling in the follow-up detailed evaluation phase is necessary. Two parcel-specific surface soil and subsurface Geoprobe soil samples and three zone-wide surface soil samples will be collected from the locations shown on Figure 6-8-1. The soil sample locations shown on Figure 6-8-1 are approximate. Sampling will be conducted in accordance with the referenced SOP in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the

following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-12

PARCEL 12 EVALUATION PLAN

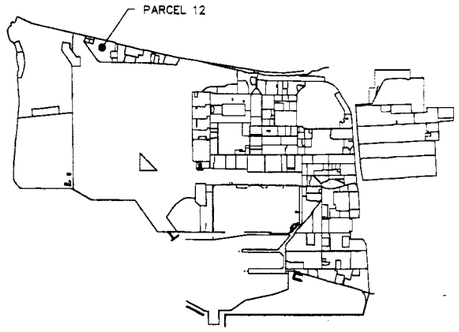
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 12 at NAS Alameda (Figure 6-12-1). The parcel, which is located in the northwestern portion of the base, is approximately 13 acres in size and is irregular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One zone-wide and two parcel-specific target investigation areas (target areas) were identified on this parcel. Four zone-wide target area samples are located on this parcel. Surface soil sampling will be used to accomplish the screening-level investigation. Table 6-12-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 12, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 12, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, an underground storage tank, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

Parcel 12 has been grouped into a zone with Parcels 3, 8, and 13. This parcel zone has been designated the Northwestern Ordnance Storage Zone (Zone 2). The zone encompasses the parcels that have historically been used for storage and/or repair of small arms, ordnance, and munitions. During the sampling program development, the parcels located in this zone were evaluated together.



KEY PLAN

PRC IR LEGEND

- PROPOSED PRC SURFACE SOIL LOCATION
- PROPOSED PRC SOIL BORINGS
- EXISTING PRC DEEP MONITORING WELL
- PROPOSED PRC CPT/HYDROPUNCH

GENERAL LEGEND

- PARCEL OUTLINE
- SURFACE SOIL SAMPLE & No.
- TARGET AREA & No.

SANITARY SEWER LINE LEGEND

- P.S.11 PUMP STATION & No.
- —SW— SANITARY SEWER LINE

MATERIALS:

A.C. – ASBESTOS CEMENT
F.M. – FORCED MAIN

NOTES:

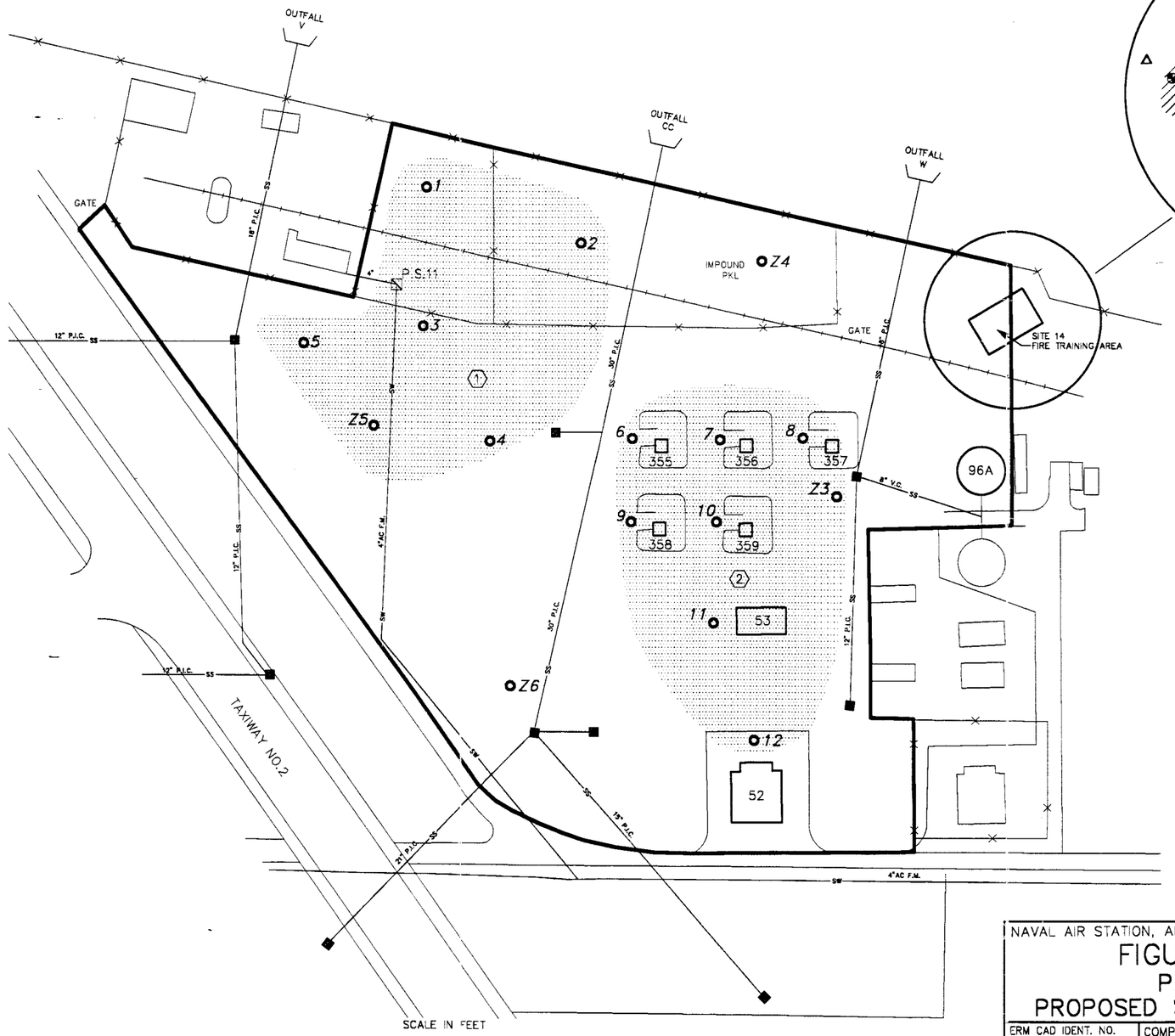
1. ALL SANITARY SEWERS ARE VITRIFIED CLAY PIPE UNLESS NOTED OTHERWISE.

STORM DRAIN LEGEND

- CATCH BASIN
- —SS— STORM SEWER LINE

MATERIALS:

P.I.C. – PAVED INVERT CORREGATED METAL



SCALE IN FEET

150 0 150 300 450

1" = 150'

NAVAL AIR STATION, ALAMEDA

FIGURE 6-12-1
PARCEL 12
PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO. 19590012.DWG \\HOME\SHARON\NAVY-AS\J_RUBIN\PARCEL5\	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS: PWC 17,629 (STORM DRAINS) PWC 108,728 (SANITARY SEWER) PWC 23,997 (INDUSTRIAL WASTES) HISTORIC DWGS IN EBS DATABASE (FUEL LINES)	
SCALE AS NOTED	DATE: 10.27.94/2121.96.45	SHEET 1 OF 1

TABLE 6-12-1

Summary of Recommended Samples
NAS Alameda Parcel 12

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
12-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Gasoline	TPH	Test Kit
12-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Gasoline	TPH	Test Kit
12-2-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Gasoline	TPH	Modified EPA 8015
12-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Gasoline	TPH	Test Kit
12-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Gasoline	TPH	Test Kit
12-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Gasoline	TPH	Test Kit
12-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Lead	Metals	XRF
12-7-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Lead	Metals	XRF
12-8-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Lead	Metals	XRF
12-8-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 2	Lead	Metals	CLP RAS
12-9-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Lead	Metals	XRF
12-10-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Lead	Metals	XRF
12-10-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 2	Lead	Metals	CLP RAS
12-11-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Lead	Metals	XRF
12-12-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Lead	Metals	XRF
Z2-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 02 Target Area 1	DDT, PCBs	Pesticides	CLP RAS

TABLE 6-12-1

Summary of Recommended Samples
NAS Alameda Parcel 12

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z2-4-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 02 Target Area 1	DDT, PCBs	Pesticides	CLP RAS
Z2-5-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 02 Target Area 1	DDT, PCBs	Pesticides	CLP RAS
Z2-6-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 02 Target Area 1	DDT, PCBs	Pesticides	CLP RAS

*These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 2.

Filling associated with the railroad tracks and the ferry terminal formerly located along the northern edge of the current NAS Alameda runway area (including part of Parcel 12) began in the early 1900s. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundaries was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, seven buildings/bunkers (Buildings 52, 53, 355, 356, 357, 358, and 359) and one aboveground potable water tank (Structure 96A) cover approximately two percent of the parcel. The remainder of the parcel (approximately 98 percent) is open space. In general, the parcel area is presently in use for munitions storage including Group B and Group D chemical ammunition. Utilities located within and immediately surrounding Parcel 12 include underground sanitary sewer, storm sewer, water, and electrical lines. Sewer lines are shown on Figure 6-12-1.

An Installation Restoration (IR) Program site (IR Site 20, the Oakland Estuary) borders Parcel 12 to the north. Another site (IR Site 14, Fire Training Area) is partially located in the northeast corner of Parcel 12. Previous investigations have been conducted at IR Site 14. Data and results are summarized in a 1992 report prepared by PRC Environmental Management, Inc. and Montgomery Watson (contract N62474-88-D-5086) entitled *Data Summary Report Phases 2B and 3.* Proposed investigations are available in a 1993 report prepared by PRC Environmental Management, Inc. and Montgomery Watson (contract N62474-88-D-5086) entitled *Follow-on Field Sampling Plan Remedial Investigation/Feasibility Study Phases 2B and 3.* Therefore, specific data regarding potential chemical occurrence on the parcel are available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. According to EBS information, an informal assessment indicated that asbestos-containing materials may be present at Buildings 357, 358, and 359. Activities of potential environmental or industrial hygiene concern within the parcel open space and buildings are described in detail below.

Building 52

Building 52 was constructed in approximately 1941 and reportedly serves as a storage facility for small arms/pyrotechnics (Figure 6-12-1). This one-story building covers approximately 2,700 square feet and is in fair condition. The walls and floor of Building 52 are constructed of concrete, while the roof is constructed of metal. Because it stores live ammunition, this building could not be inspected.

Building 53

Building 53 was constructed in approximately 1941 and reportedly served as an inert materials storehouse (Figure 6-12-1). This one-story building covers approximately 1,600 square feet and is generally in fair condition. The walls and floor of Building 53 are constructed of concrete, while the roof is constructed of metal. Specific information was not available on the activities in the building. Because it stores live ammunition, this building could not be inspected.

Building 355

Building 355 was constructed in approximately 1941 and serves as a storage bunker for small arms/pyrotechnics (Figure 6-12-1). This one-story building covers approximately 200 square feet and is in fair condition. Building 355 is constructed of concrete and has a roof covered with soil and grass. Because it stores live ammunition, this building could not be inspected.

Building 356

Building 356 was constructed in approximately 1941 and serves as a storage bunker for high explosives (Figure 6-12-1). This one-story building covers approximately 200 square feet and is in fair condition. Building 356 is constructed of concrete and has a roof covered with soil and grass. Because it stores live ammunition, this building could not be inspected.

Building 357

Building 357 was constructed in approximately 1941 and serves as a storage bunker for small arms/pyrotechnics (Figure 6-12-1). This one-story building covers approximately 200 square feet and is in fair condition. Building 357 is constructed of concrete and has a roof

covered with soil and grass. Because it stores live ammunition, this building could not be inspected.

Building 358

Building 358 was constructed in approximately 1941 and serves as a storage bunker for fuses and detonators (Figure 6-12-1). This one-story building covers approximately 200 square feet and is in fair condition. Building 358 is constructed of concrete and has a roof covered with soil and grass. Because it stores live ammunition, this building could not be inspected.

Building 359

Building 359 was constructed in approximately 1941 and serves as a storage bunker for high explosives (Figure 6-12-1). This one-story building covers approximately 200 square feet and is in fair condition. Building 359 is constructed of concrete and has a roof covered with soil and grass. Because it stores live ammunition, this building could not be inspected.

Open Space

Open space covers approximately 90 percent of Parcel 12. Historically, the open space was used for aircraft storage. The ground surface of the open space is mostly bare soil, gravel, and grass with some asphalt pavement around Building 52 for parking. The asphalt is in poor condition.

An automobile impoundment area is located in the north portion of the parcel and contains small scattered oil stains. Parked aircraft were observed in the northwestern portion of the parcel in 1947 and 1958 aerial photographs. Staining appears to exist around the aircraft in the 1947 aerial photograph.

Structure 96A, an aboveground potable water storage tank, is located in the northeastern potion of the parcel. This tank is constructed of cinder block-like material and has a capacity of 125,000 gallons. No concerns associated with this structure were noted during the site inspection. One abandoned aboveground storage tank was observed in the northeastern portion of the open space. This tank stores diesel and has an approximate capacity of 5,000 gallons. No secondary containment system was in place for this tank. No staining was noted on the soil near this tank.

The IR contractor has proposed CPT/HydroPunch sampling in the northern and southern portions of Parcel 12 as part of the investigation at IR Site 1 (1942-1956 Disposal Area) and the runways.

Fire Training Area (IR Site 14)

The Fire Training Area (FTA) consists of a concrete pad surrounded by an earthen berm on three sides. The FTA straddles the Parcel 12/Parcel 14 boundary adjacent to the Oakland Estuary in the northeast corner of Parcel 12. The area was used for fire fighting simulations from approximately 1973 to 1987. In training exercises waste fuels from plane defueling were ignited and then extinguished with fire fighting foam to simulate plane crashes. A sump in the northeast corner of the FTA pad apparently collected runoff from fire training activities. The construction dates of the concrete pad and sump are unknown. The area is currently used for fire department rescue training using "jaws of life" and other rescue equipment on automobiles.

Previous investigations at the FTA have consisted of soil vapor sampling (44 samples), surface soil sampling (3 samples), subsurface soil sampling (9 samples), and groundwater sampling from three monitoring wells. Compounds detected at elevated levels in soil and/or groundwater in and around the FTA have included TPH, VOCs (especially BTEX), SVOCs, pesticides, PCBs, metals, and dioxins and furans. Pesticides, PCBs, SVOCs, VOCs, and dioxins and furans were detected in soil at concentrations below residential PRGs. TPH concentrations ranged between 661 and 2070 mg/kg in surface soils. Arsenic and beryllium were detected in soil above USEPA residential PRGs; chromium was detected in soil above Cal-modified PRGs. Antimony, arsenic, beryllium, and manganese were detected in groundwater above USEPA MCLs. Oil and grease was detected in monitoring well M14-01 at a concentration of 0.3 mg/L.

Additional sampling proposed by the IR contractor is shown on Figure 6-12-1. Proposed sampling includes: subsurface soil sampling from 11 soil borings on the FTA concrete pad and berm, CPT/HydroPunch testing in three locations near previously installed monitoring wells, sampling of FTA sump contents, and collection of nine surface soil samples around the perimeter of the FTA berm.

Underground Storage Tanks

One inactive underground storage tank (Tank FS-357) is located in the northeastern portion of Parcel 12. Tank FS-357 is used to store diesel

and has a capacity of 1,000 gallons. A 1988 ERM investigation sampled the contents of this tank and collected one soil sample near Tank FS-357. Sampling of the tank contents revealed TPH-gasoline, benzene, toluene, and lead (in liquid and solid phases). The soil sample contained TPH-gasoline, benzene, and toluene at concentrations of 31 ppm, 0.08 ppm, and 0.1 ppm, respectively. A strong hydrocarbon odor was noted during the sampling. Tank FS-357 is inactive and is scheduled to be removed under the UST Program.

Parcel Boundary Conditions

Parcel 12 is bounded by Parcels 14, 13, and 3 to the east, Parcel 23 to the south, Parcels 9, 10, and 11 to the northwest, and the Oakland Estuary to the north. The IR Site 14 boundary was discussed above. A RCRA site (GAP 11) is located in the western portion of Parcel 3. The southeastern corner of Parcel 11 contains a former battery charging area. The other remaining parcels are not likely to affect boundary areas of Parcel 12.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 12, consistent with the objectives described in Section 1 of the Shell Workplan. Since this parcel contains part of IR site 14, it can be reclassified as BRAC Category 6. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents the parcel from being reclassified from BRAC Category 6 to another BRAC category. The data gaps shown in Table 6-12-1 must be addressed before the parcel can be reclassified from BRAC Category 6 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, underground storage tanks, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with USTs and sewer lines is discussed in corresponding protocols presented in Section 3.

Although no industrial hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in the parcel buildings. The one-time compliance program will determine whether further sampling or cleanup measures are required within these buildings before transfer or lease can occur.

TABLE 6-12-2

Summary of Data Gaps
NAS Alameda Parcel 12

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 14 (Fire Training Area) is located in the northeastern portion of Parcel 12. Additional subsurface investigation relative to IR Site 14 is proposed by the IR contractor. • IR Site 20 (Oakland Estuary) borders Parcel 12 to the north. It is unlikely that IR Site 20 has impacted Parcel 12.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Pesticides may have impacted the long-term unpaved areas on Parcel 12.
Potential Parcel-Specific Release Areas	• Historical Aircraft Parking Area. • Bunker Areas.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

TABLE 6-12-2

Summary of Data Gaps
NAS Alameda Parcel 12

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• One UST (Tank FS-357) currently exists at Parcel 12 and is scheduled to be removed.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
- Steam Lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Based on historical aerial photographs, Parcel 12 has been at least partially unpaved since approximately 1947. Based on current EPA/Cal-EPA policy, unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., unpaved areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling has been addressed as a zone-wide issue for the parcels located in Zone 2.

Once the data gaps in Table 6-12-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 12 may be reclassified from BRAC Category 6, leased or transferred.

Target Areas and Compounds of Concern

This subsection of the PEP discusses the two parcel-specific target areas and provides an overview of the zone-wide target area. Four zone-wide target area samples are located on this parcel. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 2. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following target areas were identified based on the potential release areas described above and listed in Table 6-12-2.

- Target Area 1 (Historical Aircraft Parking Area): Historical storage of aircraft in this area may have resulted in impacts to parcel soils from petroleum hydrocarbons. This target area covers approximately 70,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in Target Area 1 are listed in Table 6-12-1.

- Target Area 2 (Bunker Area): The soils and gravel adjacent to the building entrances in the bunker area (central and eastern portion of the parcel) may have been impacted by metals from munitions handled at these locations. This target area covers approximately 65,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in Target Area 2 are listed in Table 6-12-1.

- Zone 2 Target Area 1 (Unpaved/Landscaped Areas): Based on historical aerial photographs, the open space of Zone 2 has been unpaved since at least 1947. Zone 2 Target Area 1 includes currently/formerly unpaved areas within the Northwest Ordnance Storage Zone. Unpaved areas may have been impacted by pesticides that were used to suppress vegetation. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. A range of unpaved areas will be sampled to assess potential risk, if any, from historical pesticide application. This target area is classified as having potential likelihood of impacts. Four surface soil samples for pesticides will be collected from the locations shown on Figure 6-12-1. All samples to be collected in this zone-wide target area are listed in Table 6-Z2-1 and shown on Figure 6-Z2-1.

In addition, concerns pertaining to industrial hygiene, asbestos, lead-based paint, underground lines, radiological issues, the IR sites, and USTs must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Screening-Level Investigation

Surface soil sampling is the screening-level technique that will be employed to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-12-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 12. Twelve parcel-specific and four zone-wide surface soil samples will be collected from the locations shown on Figure 6-12-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

No screening-level investigation will be performed at the Fire Training Area. Previous and proposed IR investigations will provide data that will exceed the requirements of this parcel evaluation program in this area of the parcel.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-13

PARCEL 13 EVALUATION PLAN

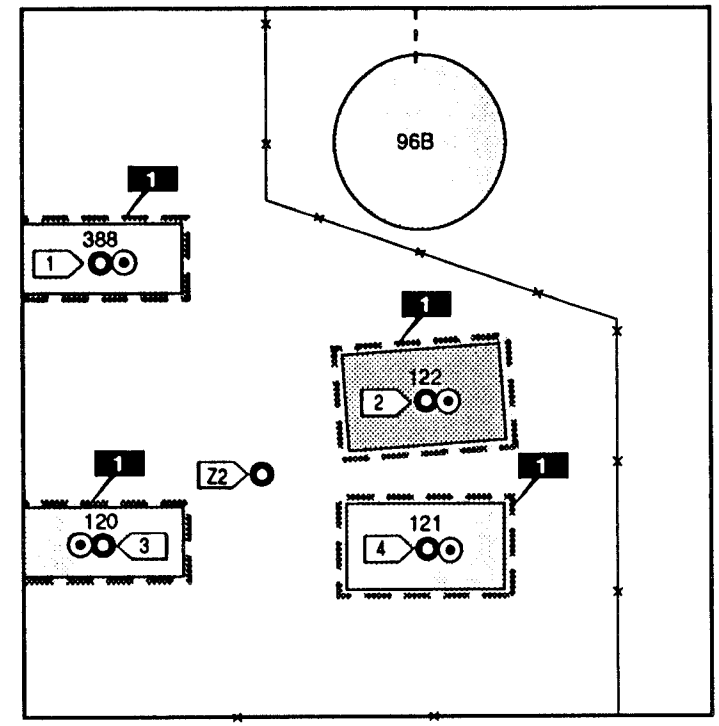
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 13 at NAS Alameda (Figure 6-13-1). The parcel, which is located in the northern portion of the base, is 1.2 acres in size and is square in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One zone-wide and one parcel-specific target investigation areas (target areas) have been identified on this parcel. One zone-wide target area sample is located on this parcel. Surface soil sampling and soil vapor sampling will be used to accomplish the screening-level investigation. Table 6-13-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 13, historical activities are discussed below.

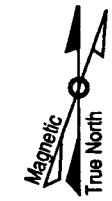
Background and Historical Activities

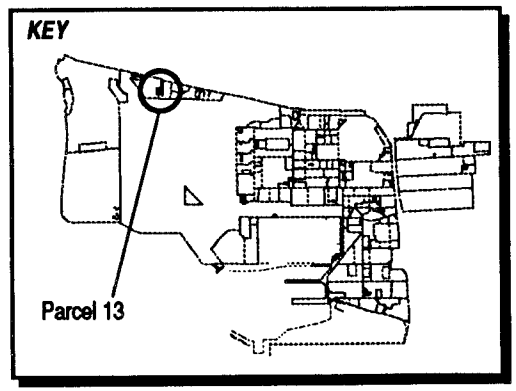
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 13, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies areas of concern.

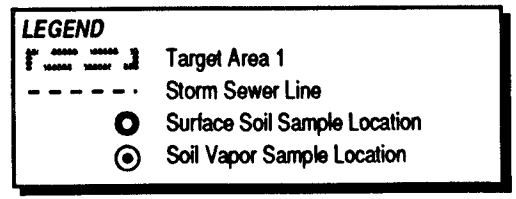
Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

Parcel 13 has been grouped into a zone with Parcels 3, 8, and 12. This parcel zone has been designated the Northwestern Ordnance Storage Zone (Zone 2). The zone encompasses the parcels that have historically been used for storage and/or repair of small arms, ordnance, and munitions. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the









1"= 60'

Figure 6-13-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.00 11/DS/07.06.94

TABLE 6-13-1

Summary of Recommended Samples
NAS Alameda Parcel 13

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
13-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lubrication oil, lead	TPH, Metals	Test Kit, XRF
13-1-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	Solvents	VOCs	GC
13-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lubrication oil, lead	TPH, Metals	Test Kit, XRF
13-2-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	Solvents	VOCs	GC
13-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lubrication oil, lead	TPH, Metals	Test Kit, XRF
13-3-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Lubrication oil, lead	TPH, Metals	Modified EPA 8015, CLP RAS
13-3-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	Solvents	VOCs	GC
13-3-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 1	Solvents	VOCs	CLP RAS
13-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lubrication oil, lead	TPH, Metals	Test Kit, XRF
13-4-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	Solvents	VOCs	GC
Z2-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 02 Target Area 1	DDT, PCBs	Pesticides	CLP RAS

*This is the suggested location for the confirmation sample. The actual location will depend on field analytical results.

entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 2.

Filling associated with the railroad tracks and the ferry terminal formerly located along the northern edge of the current NAS Alameda runway area (including part of Parcel 13) began in the early 1900s. Prior to this time, the area was completely inundated by San Francisco Bay. The area within the parcel boundaries was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, four buildings (Buildings 388, 120, 121, and 122) and one aboveground storage tank (Structure 96B) cover 20 percent of the parcel. The remaining 80 percent is open space. The buildings on Parcel 13 were historically used for ordnance storage. Utilities located within or immediately surrounding this parcel include underground electrical, water, and storm sewer lines. The storm sewer lines present on this parcel are shown on Figure 6-13-1.

Parcel 13 is located approximately 200 feet south of an Installation Restoration (IR) Program site (IR Site 14, Fire Training Area). No previous investigations have been conducted at Parcel 13 and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 388

Building 388 was constructed in approximately 1950 and has been used as a storage facility for explosives and flammable materials, including paint, solvents, and oil (Figure 6-13-1). Currently the building is used to store Naval Investigation Services (NIS) evidence for trial. Building 388 is a Quonset hut constructed of corrugated metal with a gravel floor. The building covers approximately 760 square feet and is in fair condition.

Concerns associated with this building include leakage and spillage of chemicals stored in the building and scattered stains on the gravel floor. No hazardous materials or wastes were observed to be stored in and around the building during the site inspection. Specific information was not available on historical hazardous materials use or handling in the building.

Building 120

Building 120 was constructed in approximately 1944 and has been used for ordnance storage. Currently the building is used to store ammunition and related equipment. Building 120 is a Quonset hut constructed of corrugated metal with a gravel and bare soil floor. The building covers approximately 1,280 square feet and is in fair condition.

Scattered stains were noted on the floor of the building during the site inspection. No hazardous materials or wastes were observed to be stored in or around the building during the site inspection. Specific information was not available on historical hazardous materials use or handling in the building.

Building 121

Building 121 was constructed in approximately 1944 and has been used for ordnance storage. Currently the building is used to store bomb fins. Building 121 is a Quonset hut constructed of corrugated metal with a gravel and bare soil floor. The building covers approximately 1,280 square feet and is in fair condition.

Scattered stains were noted on the floor of the building during the site inspection. No hazardous materials or wastes were observed to be stored in or around the building during the site inspection. Specific information was not available on historical hazardous materials use or handling in the building.

Building 122

Building 122 was constructed in approximately 1944 and has been used for ordnance storage. Currently the building is used to store bomb fins. Building 122 is a Quonset hut constructed of corrugated metal with a gravel and bare soil floor. The building covers approximately 1,280 square feet and is in fair condition.

Scattered stains were noted on the floor of the building during the site inspection. No hazardous materials or wastes were observed to be stored in and around the building during the site inspection. Specific information was not available on historical hazardous materials use or handling in the building.

Structure 96B

Structure 96B is a concrete water storage tank. This tank covers approximately 5,000 square feet and has a capacity of 125,000 gallons. No concerns associated with this structure were noted during the site inspection.

Open Space

Open space covers approximately 80 percent of Parcel 13. The ground surface of the open space consists mostly of gravel and bare soil.

Building 389 was formerly located in this open space. The building was constructed in 1987 and was utilized as a line maintenance shelter. Building 389 covered approximately 800 square feet.

An area of stained soil (approximately 5 feet by 10 feet) was observed at the south end of Parcel 13 during the site inspection. Additional concerns in the open space include the potential impacts from the activities associated with the buildings described in the previous sections.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 13 is bounded by Parcels 3, 12, 14, and 15 to the south, west, north, and east, respectively. IR Site 14, the Fire Training Area, is located approximately 200 feet north of Parcel 13 on Parcels 13 and 14. Impacted soils have been identified in this area; however, migration of compounds of concern onto Parcel 13 is not probable. The IR contractor has proposed installation of a monitoring well on Parcel 13 near the east end of Buildings 121 and 122 as part of the ongoing investigation at IR Site 1 (Parcel 1) and IR Site 2 (Parcel 2).

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 13, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-13-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, a separate investigation is currently underway to address the Radiological Compounds data gap at this parcel. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

No industrial hygiene (IH) sampling is recommended for Parcel 13 because no industrial buildings are present.

As noted earlier, Parcel 13 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., unpaved areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling in unpaved areas has been addressed as a zone-wide issue for the parcels located in Zone 2.

Once the data gaps in Table 6-13-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 13 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP discusses the parcel-specific target area and provides an overview of the zone-wide target area. One zone-wide target area sample is located on this parcel. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 2. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual

TABLE 6-13-2

Summary of Data Gaps
NAS Alameda Parcel 13

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 13.
Installation Restoration (IR) Sites	• IR Site 14 (Fire Training Area) is located approximately 200 feet north of Parcel 13. Additional subsurface investigation relative to IR Site 14 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Pesticides may have impacted the unpaved areas on Parcel 13.
Potential Parcel-Specific Release Areas	• TPH and metals may have impacted the floors of Buildings 388, 120, 121, and 122.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, electrical, and water lines identified.

TABLE 6-13-2

Summary of Data Gaps
NAS Alameda Parcel 13

Data Gap	Status/Description
- Fuel Lines	• No underground or aboveground fuel lines identified.
- Steam Lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

observation and accessibility. The following target areas were identified based on the potential release areas described above and listed in Table 6-13-2

- Target Area 1 (Buildings 388, 120, 121, and 122): Based on staining observed during the site inspection, the floors of these buildings may have been impacted by releases of solvents, TPH, and metals stored or handled in the buildings. This target area covers approximately 4,600 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in Target Area 1 are listed in Table 6-13-1.

- Zone 2 Target Area 1 (Unpaved/Landscaped Areas): Based on historical aerial photographs, the open space of Zone 2 has been unpaved since at least 1947. Zone 2 Target Area 1 includes all currently/formerly unpaved areas within the Northwest Ordnance Storage Zone. Unpaved areas may have been impacted by pesticides that were used to suppress vegetation. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. A range of unpaved areas will be sampled to assess potential risk, if any, from historical pesticide application. This target area is classified as having a potential likelihood of impacts. One surface soil sample for pesticides will be collected from the location shown on Figure 6-13-1. All samples to be collected in this zone-wide target area are listed in Table 6-Z2-1 and shown on Figure 6-Z2-1.

In addition, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological issues, and the nearby IR sites must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Screening-Level Investigation

Surface soil sampling (SOP 3) and soil vapor sampling (SOP 6) will be employed to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-13-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 13. One zone-wide and four parcel-specific surface soil samples and four parcel-specific soil vapor samples will be collected from the sampling locations shown on Figure 6-13-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

The sample locations shown on Figure 6-13-1 are approximate. Samples should be collected from soil areas that are visibly stained.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-Z3

ZONE 3 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 3 at NAS Alameda (Figure 6-Z3-1). Zone 3 has been designated the Northwestern Construction and Maintenance Zone. The zone encompasses the parcels north of the runway that have historically contained shops and storage areas associated with a variety of activities including construction, maintenance, aircraft refueling, and fire training. Zone 3 is comprised of Parcels 4, 9, 10, 11, 14, 15, 16, 17, 18, 19, 20, 21, and 22. During the sampling program development, the parcels located in this zone were evaluated together. One zone-wide target investigation area (target area) and 24 parcel-specific target areas have been identified in this zone. Sampling procedures called for in the screening-level investigation in these areas include surface soil, soil vapor, subsurface GeoProbe soil, and HydroPunch sampling. Table 6-Z3-1 provides the complete list of samples and analyses prescribed for this zone, and Figure 6-Z3-1 illustrates all sample locations for the entire zone, including parcel-specific sampling. This zone evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 3, historical activities are discussed below.

Zone 3 Background and Historical Activities

This subsection briefly summarizes EBS information available for buildings, open spaces, and boundaries of Zone 3 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the Parcel Evaluation Plans (PEPs) for the parcels contained in this zone.

Past and present use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and

TABLE 6-2.3-1
Summary of Recommended Samples
NAS Alameda Zone Z3

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z3-1-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-2-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-3-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-3-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-4-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-5-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-6-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-7-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-7-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-8-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-8-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-9-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-10-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS

TABLE 6-Z3-1
Summary of Recommended Samples
NAS Alameda Zone Z3

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z3-11-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-12-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-13-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-14-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-15-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-16-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-17-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-18-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-19-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-20-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-21-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-22-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS

TABLE 6-...1

Summary of Recommended Samples
NAS Alameda Zone Z3

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z3-23-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-24-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-25-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-26-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS

historical aerial photographs (the non-intrusive investigation[1]). This information was used to determine areas on the zone where sampling was deemed necessary to delineate potential impacts of compounds of concern.

Zone 3, the Northwestern Construction and Maintenance Zone encompasses the parcels north of the runway that have historically contained shops and storage areas associated with a variety of activities including construction, maintenance, aircraft refueling, and fire training. During sampling program development, the parcels located in this zone were evaluated together to better address zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of specific parcel concerns is provided in the Parcel Evaluation Plans (PEPs) for individual parcels.

Filling began in the area covered by this zone in the early 1900's. Prior to this time, the zone area was completely inundated by San Francisco Bay. The northern area that was initially filled contained railroad tracks that were used to access a ferry terminal to the west of Zone 3. The remaining zone area was filled between 1916 and 1939. The area within the zone boundaries was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, 37 buildings and seven structures cover approximately 85 percent of the zone. The remaining 15 percent is open space. Six buildings were formerly located on the parcel and have since been demolished. The zone area is presently in use as shops or storage areas associated with construction, maintenance, and fire training..

Zone 3 contains two Installation Restoration (IR) Program sites: IR Site 14, (the Fire Training Area located on Parcel 14) and IR Site 15 (located on Parcel 22). IR site 20 (the Oakland Estuary) borders Zone 3 to the north. Previous investigations have been conducted at Zone 3 and specific data regarding potential chemical occurrence are available. Specifically, previous investigations have been conducted at Parcel 14 and 22. Further subsurface investigations related to the nearby IR sites have been proposed within and immediately surrounding Zone 3. Details of previous and proposed investigation activities are described in the corresponding PEPs.

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1 The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.

Sewer lines present on this zone are illustrated in the individual PEP figures. Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns and asbestos-containing materials on Zone 3 will be addressed in other sampling programs and are not considered in this ZAP. Industrial hygiene may potentially be a concern in Buildings 26, 420, 594, 52, 53, 355, 356, 357, 358, and 359. Historical aerial photographs indicate that the open space of Zone 3 has been at least partially unpaved since 1947. Pesticides, which may have been used to suppress vegetation in the unpaved areas, may have impacted the soil in this zone.

Underground Storage Tanks

Three underground storage tanks (Tanks 374A, 374B, and Tank 473-1) are present at this zone. Tanks 374A and 374B are located on Parcel 16, while Tank 473-1 is located on Parcel 19.

Tanks 374A and 374B store JP aviation fuel and have a capacity of 500,000 gallons each. These tanks are currently active. The capacity of these tanks is unknown. No UST investigations have been conducted for these tanks, and no information is available regarding the condition or tightness of these tanks.

Tank 473-1, located south of Building 473, stored diesel fuel and has a capacity of 250 gallons. This tank has been abandoned. A 1988 UST investigation was performed on Tank 473-1. Two soil borings were drilled and subsurface soil samples were collected. The UST investigation indicated the presence of BTEX compounds at low levels. Tank 473-1 was included in the RCRA Facility Assessment.

RCRA Sites

This zone contains five RCRA sites (AST 331-1 on Parcel 4, SWMU/GII-23 on Parcel 16, GII-7 on Parcel 17, SWMU/GAP 78 on Parcel 18, and Tank 473-1 on Parcel 19). These sites were evaluated consistent with the criteria applied to other potential target areas at the zone. Under these criteria, of the five RCRA sites at this zone, AST 331-1, SWMU/GII-23, GII-7, SWMU/GAP 78, and Tank 473-1, require further investigation. SWMU/GII-23, GII-7, SWMU/GAP 78, and Tank 473-1 are listed in the RCRA Part B Permit and must be investigated as part of the RCRA Facility Investigation (RFI). A brief description of each RCRA site is provided in the corresponding PEP. The sampling proposed for GAP 11 is also described in the corresponding PEP.

Zone Boundary Conditions

Zone 3 is bounded by Zones 1, 2, 4, and the Oakland Inner Harbor. Activities of concern include the former landfill and waste disposal area in Zone 1 (IR Site 1, 1943-1956 Disposal Site), IR Site 14 (Fire Training Area) in Zones 2 and 3, and the Oakland Inner Harbor (IR Site 20), which borders Parcel 12 to the north.

Zone Target Areas and Compounds of Concern

This zone contains one zone-wide target area and 24 parcel-specific target areas. This subsection of the ZAP discusses specific zone-wide target areas and provides an overview of the specific parcel target areas. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this zone. Detailed information regarding the parcel-specific target areas and the proposed sampling is provided in the PEPs for individual parcels. The nature and locations of the zone-wide and parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

Zone 3 Target Areas

- Zone 3 Target Area 1 (Unpaved/Landscaped Areas): Based on historical aerial photographs, the open space of Zone 3 has been unpaved since at least 1947. Zone 3 Target Area 1 includes all landscaped and currently/formerly unpaved areas within the Northwestern Construction and Maintenance Zone. Landscaped and unpaved areas may have been impacted by pesticides that were used to suppress vegetation. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. A range of landscaped and unpaved areas will be sampled to assess potential risk, if any, from historical pesticide application. This target area is classified as having potential likelihood of impacts. Surface soil samples for pesticides will be collected from the 13 zone-wide locations shown on Figure 6-Z3-1. Samples to be collected in this target area are listed in Table 6-Z3-1.

Parcels 10, 14, 20, and 22 Target Areas

No parcel-specific target areas were identified on these parcels.

Parcel 4 Target Areas

Two parcel-specific target areas were identified for Parcel 4 as indicated below. Three surface soil samples will be collected from this parcel. Sample locations are shown on Figure 6-4-1.

- Target Area 1 (Southwest Corner of Building 331): Release of TPH from machinery formerly located on the southwest exterior of Building 33 is a concern in this area. Stained soil was noted during the site inspection. This target area is estimated to cover 200 square feet and has been classified as having a potential level of impacts. Samples to be collected in Target Area 1 are listed in Table 6-4-1.

- Target Area 2 (Former AST 331-1): Release of diesel fuel from former aboveground storage tank (AST 331-1) located on the southern exterior of Building 331 is a concern in this area. Stained soil was noted during the site inspection. This target area is estimated to cover less than 100 square feet and has been classified as having a potential level of impacts. Samples to be collected in Target Area 2 are listed in Table 6-4-1.

Parcel 9 Target Area

- Target Area 1, Open Space: The storage of aircraft in this area may have resulted in impacts to parcel soils from TPH. This target area covers approximately 21,000 square feet and has been classified as having a potential likelihood of impacts. Four surface soil samples will be collected from the locations shown on Figure 6-9-1.

Parcel 11 Target Areas

Two parcel-specific target areas were identified for Parcel 11 as indicated below. Five surface soil samples will be collected from this parcel. Sample locations are shown on Figure 6-11-1.

- Target Area 1, open space: The storage of aircraft may have resulted in impacts to parcel soils from petroleum hydrocarbons. This target area covers approximately 20,000 square feet and has been classified as having a potential likelihood of impacts.

- Target Area 2, Building 465: The soils beneath the former battery charging area may have been impacted by spills or leakage of chemicals from batteries, particularly lead and acid. This target area covers approximately 2,000 square feet and has been classified as having a potential likelihood of impacts.

Parcel 15 Target Areas

Five parcel-specific target areas were identified for Parcel 15 as indicated below. Nine surface soil samples will be collected from this parcel. Sample locations are shown on Figure 6-15-1.

- Target Area 1 (Building 179): The three areas of stained soils adjacent to Building 179 may have been impacted by releases of petroleum hydrocarbons, specifically fuel oil. This target area covers approximately 700 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-15-1.

- Target Area 2 (Open Space Disposal Area): The mounds of soils in the former disposal area may contain TPH, SVOCs, PCBs, and metals. This target area covers approximately 2,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-15-1.

- Target Area 3 (Open Space Heavy Equipment Area): The areas of stained soil located near the heavy equipment on the north side of the parcel may have been impacted by releases of petroleum hydrocarbons. This target area covers approximately 2,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-15-1.

- Target Area 4 (Open Space Fenced Area): The stained soil located in the southwest corner of the fenced area may have been impacted by releases of petroleum hydrocarbons from vehicles such as heavy construction equipment. This target area covers approximately 1,500 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-15-1.

- Target Area 5 (Open Space Storage Area): The soils beneath the area utilized for the storage of poles and railroad ties may have been impacted by SVOCs, specifically creosote constituents. This target area covers approximately 4,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this Target Area are listed in Table 6-15-1.

Parcel 16 Target Areas

Two parcel-specific target areas were identified for Parcel 16 as indicated below. Six surface soil samples, seven GeoProbe samples, and four

HydroPunch samples will be collected from the locations shown on Figure 6-16-1.

- Target Area 1 (Building 375): The soils adjacent to Building 375 may have been impacted by releases of petroleum hydrocarbons from fuel transfer operations. This target area covers approximately 20,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-16-1.

- Target Area 2 (Aboveground Fuel Pipelines): The soils beneath or adjacent to the aboveground fuel pipelines may have been impacted by releases of petroleum hydrocarbons. Groundwater at the parcel may have also been impacted by fueling operations conducted at the site. This target area covers approximately 25,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-16-1.

Parcel 17 Target Areas

Four parcel-specific target areas were identified for Parcel 17 as indicated below. Eleven surface soil samples will be collected from the locations shown on Figure 6-17-1.

- Target Area 1 (Southwest corner of Building 528): The area at the southwest corner of Building 528 may have been impacted by leakage of petroleum products, solvents, and cleaners used in building operations. This target area covers approximately 1,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-17-1.

- Target Area 2 (Building 597): The area around Building 597 may have been impacted by leakage of petroleum products, glues, and cleaners used in building operations. This target area covers approximately 2,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-17-1.

- Target Area 3 (Above Ground Diesel Storage Tank): The soils beneath the above ground diesel tank located on the west side of Building 528 may have been impacted by releases of fuel. This target area covers approximately 500 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-17-1.

- Target Area 4 (Open Space): The soils in the vehicle and equipment parking area and hazardous waste storage area may have been impacted by releases of petroleum hydrocarbons. Significant staining from vehicle maintenance was noted during the site inspection This target area covers approximately 60,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-17-1.

Parcel 18 Target Areas

Four parcel-specific target areas were identified for Parcel 18 as indicated below. Sixteen surface soil samples and three soil vapor samples will be collected from the locations shown on Figure 6-18-1.

- Target Area 1 (Aboveground Storage Tanks): The soil (beneath the pavement) under the aboveground diesel fuel storage tanks on the east and west ends of the Building 330 and the aboveground diesel fuel storage tanks on the north, east, south, and west sides of the Building 344/474, may have been impacted by spillage or leakage of diesel fuel from the tanks. Each of these target areas covers approximately 20 square feet and has suspect likelihood of subsurface impacts indicated by the presence of staining. Samples to be collected in these target areas are listed in Table 6-18-1.

- Target Area 2 (Perimeters of Buildings 343 and 330): Abrasive blasting residues in and around this building may contain elevated levels of metals from removed paint and metal scale incorporated during blasting operations. Used blasting media on surrounding pavement and/or soil will be sampled as if it were surface soil. The target area covers the entire perimeter of the building (6,000 square feet) and has suspect likelihood of impacts.

- Target Area 3, Buildings 476, 477, and 479: The area in and around Buildings 476, 477, and 479 may have been impacted by spills or leakage of VOCs in paint and solvents. Dioxins may have been released from the stack in the southeast corner of Building 477. This target area covers approximately 5,000 square feet and has suspect likelihood of impacts.

- Target Area 4 Open Space II: Based on staining observed in historical aerial photographs, the soil in this unpaved former staging area may have been impacted by releases of TPH from stored vehicles and equipment.

- Target Area 5, Perimeter of Building 604: Based on a site inspection conducted in December 1994, the soil in this area may have been impacted by spills of garnet sandblast grit.

- Target Area 6, Area north of Building 510: Based on a site inspection conducted in December 1994, the soil in this area may have been impacted by spills of garnet sandblast grit.

Parcel 19 Target Areas

Three parcel-specific target areas were identified for Parcel 19 as indicated below. Nine surface soil samples will be collected from the locations shown on Figure 6-19-1.

- Target Area 1 (Building 345): The areas adjacent to Building 345 may have been impacted by metals from welding and sandblasting activities. This target area covers approximately 4,500 square feet and has been classified as having a probable likelihood of impacts. Samples to be collected in this target area are listed in Table 6-19-1.

- Target Area 2 (Building 471): The soils adjacent to Building 471 may have been impacted by welding and sandblasting operations conducted in the building. This target area covers approximately 2,500 square feet and has been classified as having a probable likelihood of impacts. Samples to be collected in this target area are listed in Table 6-19-1.

- Target Area 3 (Building 473): The soils adjacent to Building 473 may have been impacted by releases of petroleum hydrocarbons or metals. This target area covers approximately 800 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-19-1.

Parcel 21 Target Area

- Target Area 1 (Open Space, Eastern Boundary): Soils along the eastern boundary of Parcel 21 may have been impacted by PCBs and lead from Parcel 22. This target area covers approximately 2,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-21-1. Two surface soil samples will be collected from the locations shown on Figure 6-21-1.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in the zone and parcel-specific target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3), soil vapor sampling (SOP 6), subsurface GeoProbe soil sampling (SOP 14), and HydroPunch groundwater sampling (SOPs 1 and 15).

Table 6-Z3-1 summarizes screening-level sampling and analysis for the zone and parcel-specific target areas. A total of 13 surface soil samples will be collected from the zone-wide locations shown on Figure 6-Z3-1. A total of 65 surface soil samples, three soil vapor samples, seven subsurface GeoProbe soil samples, and four HydroPunch groundwater samples will be collected from the parcel-specific locations shown on Figure 6-Z3-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the zone areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: chip sampling (SOP 18), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-4

PARCEL 4 EVALUATION PLAN

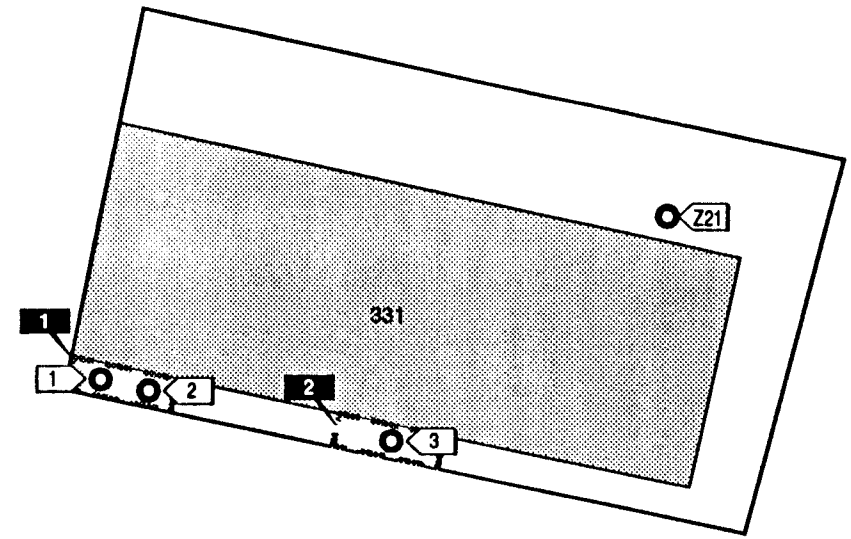
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 4 at NAS Alameda (Figure 6-4-1). The parcel, which is located north of the runway area, is approximately 9,000 square feet in size and is rectangular. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. One RCRA site, an aboveground diesel fuel tank, is present on the parcel. This site was identified during the RCRA Facility Assessment (RFA) as requiring a RCRA Facility Investigation (RFI). RFI sites requiring remediation will be remediated through the IR program or through the UST program. This parcel contains two parcel-specific target areas. In addition, this parcel is contained in one zone-wide target area. Surface soil sampling will be used to implement the screening-level investigation for this area. Table 6-4-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 4, historical activities are discussed below.

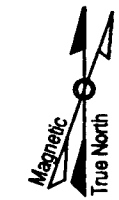
Background and Historical Activities

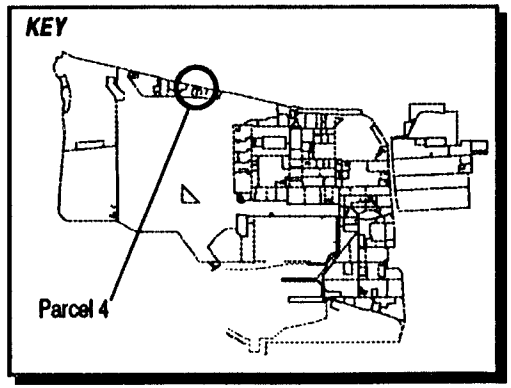
This subsection summarizes EBS information available for Parcel 4, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies the Installation Restoration Program site and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of historical records, permits, and historical aerial photographs. This information was used to determine appropriate sampling to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 9, 10, 11, 14, 15, 16, 17, 18, 19, 20, 21, and 22. This parcel zone has been designated the Northwestern Construction and Maintenance Zone (Zone 3). The zone encompasses the parcels north of the runway that have







LEGEND

Target Areas 1 & 2

Surface Soil Sample Location

Note: Parcel boundaries are approximate.

1" = 30'

Figure 6-4-1

Parcel Specific Sampling Locations

NAS Alameda, CA

ERM-West, Inc. 7'94

2121.90.12/DS/07.06.94

TABLE 6-4-1

Summary of Recommended Samples
NAS Alameda Parcel 4

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
4-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, Metals	TPH, Metals	Test Kit, XRF
4-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, Metals	TPH, Metals	Test Kit, XRF
4-2-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	TPH, Metals	TPH, Metals	Modified EPA 8015, CLP RAS
4-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH, Metals	TPH, Metals	Test Kit, XRF
Z3-21-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS

* This is the suggested location for the confirmation sample. The actual location will depend on field analytical results.

historically contained shops and storage areas associated with a variety of activities including construction, maintenance, aircraft refueling, and fire training. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 3.

Filling associated with the railroad tracks and ferry terminal formerly located along the northern edge of the current NAS Alameda runway area, including the Parcel 4 area, began in the early 1900s. Prior to this time, the parcel area was inundated by San Francisco Bay. The parcel was completely filled as of 1915. Currently, one vacant building is present on the parcel. Sewer lines are not present on Parcel 4.

The north side of Parcel 4 borders the Oakland Estuary (IR Site 20). No previous investigations have been conducted at Parcel 4. Therefore, specific data regarding potential chemical occurrence on the parcel are not available.

Lead-based paint, radiological considerations, and industrial hygiene concerns are potentially of concern and are being addressed in separate programs. Activities of potential environmental concern within parcel open space and buildings are described in detail below.

Building 331

Building 331 was constructed in approximately 1948 and has been used as a Naval Air Rework Facility (NARF) woodworking shop with associated offices (Figure 6-4-1). The building was vacated in December 1993. Building 331 is a Quonset hut constructed of corrugated metal with a concrete floor. It covers approximately 5,900 square feet (two-thirds of the parcel). The interior of the building includes an equipment storage loft. The building is generally in fair to poor condition. During the site inspection, peeling paint was observed on the interior of the building and much sawdust was present on the floor and windowsills of the shop. Oil spills from the machines were documented during the site inspection. All equipment has been removed from the shop, but scattered oil stains remain, covering 10 to 15 percent of the building floor.

A spill is located on the southwest exterior of the building. A 500-gallon aboveground storage tank (AST) was located on the south exterioir of the building and was used to fuel a furnace. Diesel spills around the AST were noted during the site inspection. The AST has since been removed. Spills of garnet sandblast grit around the

perimeter of the building were revealed during site inspection on Decmeber 21, 1994. No hazardous materials or wastes storage was observed during site inspection. A previous chemical inventory reported that a total of 20 gallons of paint and non-halogenated organic compounds were formerly stored in the building.

Open Space

The parcel open space is located primarily on the north and east sides of Building 331. Bare soil and weeds cover most of the open space. Concerns associated with the areas on the south side of Building 331 are noted above. No other impacts were noted in the open space during the site inspection.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 4 is bordered by parcels 18, 19, and 20 and the Oakland Estuary to the west, south, east, and north, respectively. Environmental concerns associated with the Oakland Estuary (sediment contamination) are not likely to have impacted Parcel 4. Sandblasting shops on Parcels 18 and 19, and an electrical equipment repair shop on Parcel 20 may have impacted soil on Parcel 4 with metals and PCBs, respectively. Railroad tracks formerly paralleled the southern border of Parcel 4 on Parcel 19.

RCRA Sites

One RCRA unit (SWMU/unknown) has been identified on Parcel 4. This site is described in the Part B permit as a 500-gallon aboveground storage tank (AST 331-1) formerly located on the southern exterior of Building 331. This tank was owned by NADEP. The chemicals of concern associated with this site include diesel fuel. No documented releases of chemicals were identified for this site; however, staining was observed during a visual inspection. This tank has been removed; however, no ivestigative sampling has been performed. The sampling proposed for this site is described in the Target Areas and Compounds of Concern subsection

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 4, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-4-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: radiological concerns and Installation Restoration Sites. There are no USTs, fuel lines, or sewers located on this parcel. No Industrial Hygiene (IH) sampling is required for Parcel 4 because no buildings are present.

As noted earlier, Parcel 4 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., unpaved areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling in landscaped and unpaved areas has been addressed as a zone-wide issue for the parcels located in Zone 3.

Once the data gaps in Table 6-4-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 4 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-4-2

Summary of Data Gaps
NAS Alameda Parcel 4

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 4.
Installation Restoration (IR) Sites	• IR Site 20 (The Oakland Estuary) is located directly to the north side of Parcel 4. IR 20 is unlikely to have impacted Parcel 4. No additional subsurface investigation relative to IR Site 20 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Pesticides may have impacted the long-term unpaved areas on Parcel 4.
Potential Parcel-Specific Release Areas	• Southwest Corner of Building 331. • Former AST 331-1.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-4-2

Summary of Data Gaps
NAS Alameda Parcel 4

Data Gap	Status/Description
Underground Utilities	• No evidence of underground utilities identified.
- Fuel lines	• No underground or aboveground fuel lines identified.
- Steam lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

This parcel contains two parcel-specific target areas and is also contained in a zone with a zone-wide target area.

This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 3. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following two parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-4-2.

- Target Area 1 (Southwest Corner of Building 331): Release of TPH from machinery formerly located on the southwest exterior of Building 33 is a concern in this area. Stained soil was noted during the site inspection. This target area is estimated to cover 200 square feet and has been classified as having a potential level of impacts. Samples to be collected in Target Area 1 are listed in Table 6-4-1.

- Target Area 2 (Former AST 331-1): Release of diesel fuel from former aboveground storage tank (AST 331-1) located on the southern exterior of Building 331 is a concern in this area. Stained soil was noted during the site inspection. This target area is estimated to cover less than 100 square feet and has been classified as having a potential level of impacts. Samples to be collected in Target Area 2 are listed in Table 6-4-1.

The following zone-wide target area was identified on Parcel 4 based on possible impacts from activities described above involving potentially hazardous substances.

- Zone 3 Target Area 1 (Landscaped and Long-Term Unpaved Areas): This target area includes all landscaped and current/former unpaved areas within Zone 3. Landscaped and unpaved areas maintained since approximately 1940 may have been impacted by pesticide residues. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. This target area is classified as having potential likelihood of impacts. One of the twenty-six proposed zone-wide surface soil samples for pesticides and PCBs are located in Parcel 4. The samples were located on this parcel to ensure an appropriate

distribution of samples throughout the zone-wide target area. Samples that are located on Parcel 4 are listed on Table 6-4-1.

Possible impacts from adjacent parcel sources, including the sandblasting shops, and electrical shop, will be addressed by investigations on the adjacent parcels.

Screening-Level Investigation

Surface soil sampling (SOP 3) will be employed to assess conditions in the target area and to identify whether further sampling in the follow-up detailed evaluation phase is necessary. Three parcel-specific surface soil samples and one zone-wide soil sample will be collected from the locations shown on Figure 6-4-1. Sampling will be conducted in accordance with the referenced SOP in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4. Sampling associated with former railroad tracks will not be conducted because their former location is not known well enough to sample effectively. Surface soil sampling locations shown on Figure 6-4-1 are approximate. Samples should be collected from areas of darkest staining.

Detailed Evaluation Phase

The detailed evaluation phase, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern in the target areas identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-9

PARCEL 9 EVALUATION PLAN

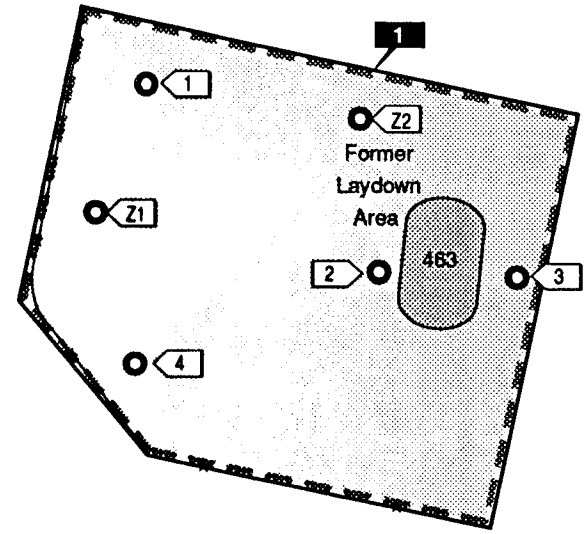
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 9 at NAS Alameda (Figure 6-9-1). The parcel, which is located in the northern portion of the base, is 0.5 acres in size and is approximately square. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel does not contain any RCRA units. This parcel contains one parcel-specific target area. In addition, this parcel is contained in one zone-wide target area. Surface soil sampling will be used to implement the screening-level investigation in the target areas. Table 6-9-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 9, historical activities are discussed below.

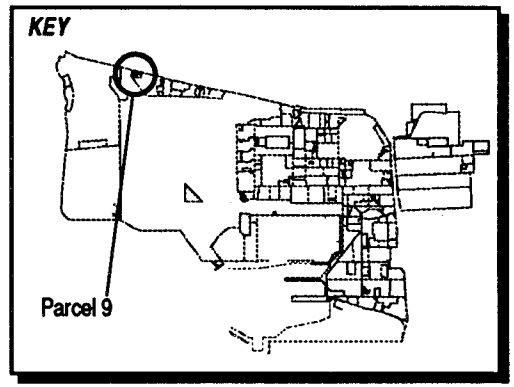
Background and Historical Activities

This subsection summarizes EBS information available for open spaces and boundaries of Parcel 9, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies the Installation Restoration Program site and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 4, 10, 11, 14, 15, 16, 17, 18, 19, 20, 21, and 22. This parcel zone has been designated the Northwestern Construction and Maintenance Zone (Zone 3). The zone encompasses the parcels north of the runway that have historically contained shops and storage areas associated with a variety of activities including construction, maintenance, aircraft refueling, and fire training. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future





LEGEND

Target Area 1

Surface Soil Sample Location

Note: *Parcel boundaries are approximate.*

1"= 60'

Figure 6-9-1

Parcel Specific Sampling Locations

NAS Alameda, CA

ERM-West, Inc. 7'94

2121.90.12/DS/07.06.94

TABLE 6-

Summary of Recommended Samples
NAS Alameda Parcel 9

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
9-1-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Test Kit
9-2-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Test Kit
9-3-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Test Kit
9-4-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Test Kit
9-4-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Modified EPA 8015
Z3-1-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-2-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS

* This is the suggested location for the confirmation sample. The actual location will depend on field analytical results.

data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 3.

Filling associated with the railroad tracks and ferry terminal formerly located along the northern edge of the current NAS Alameda runway area (including part of Parcel 9) began in the early 1900s. Prior to this time, the area was completely inundated by San Francisco Bay. The area within the parcel boundary was totally filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, no buildings are located on this parcel. The entire parcel is open space. Historically, the parcel area has been used for open storage of miscellaneous dry materials and storage of aircraft. There are no sewer lines located on this parcel.

Parcel 9 is located approximately 100 feet south of an Installation Restoration (IR) Program site, the Oakland Estuary (IR Site 20). No previous investigations have been conducted at Parcel 9 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within the parcel open space are described in detail below.

Former Laydown Area (Structure 463)

The former laydown area, Structure 463, was used for miscellaneous open storage of dry materials (Figure 6-9-1) and covers approximately 800 square feet. No hazardous materials or wastes were observed to be stored in and around the area during the site inspection. Specific information on historical hazardous materials use or handling in the area was not available.

Open Space

Parcel 9 open space is the area surrounding the former laydown area, extending to the parcel boundaries. The ground surface of the open space is mostly gravel and bare soil with some degraded pavement. Aerial photograph review indicated that this area has been unpaved since 1960.

This area was historically used for aircraft storage that may have resulted in impacts to parcel soils from aircraft fuel and oil. Railroad tracks historically crossed the northern part of the parcel parallel to the estuary approximately near the northern end of the former laydown area. Railroad ties have reportedly been uncovered in the vicinity of the parcel during past construction.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 9 is bounded by Parcels 10, 11, 12, and 23 to the north, east, south, and west, respectively. The Oakland Estuary borders Parcel 9 to the north. There are no activities of environmental concern associated with these parcels that are likely to affect boundary areas of Parcel 9.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 9, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-9-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: radiological concerns and Installation Restoration Sites. No underground lines or tanks have been identified at this parcel. No Industrial Hygiene (IH) sampling is required for Parcel 9 because no buildings are present.

As noted earlier, Parcel 9 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., unpaved areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or

TABLE 6-9-2

Summary of Data Gaps
NAS Alameda Parcel 9

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 9.
Installation Restoration (IR) Sites	• IR Site 20 (The Oakland Estuary) is located adjacent to the north side of Parcel 9. No additional subsurface investigation relative to IR Site 20 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Pesticides may have impacted the long-term unpaved areas (currently unpaved) on Parcel 9.
Potential Parcel-Specific Release Areas	• Target Area 1, Open Space: Releases of TPH.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-9-2

Summary of Data Gaps
NAS Alameda Parcel 9

Data Gap	Status/Description
Underground Utilities	• No evidence of underground utilities identified.
- Fuel lines	• No underground or aboveground fuel lines identified.
- Steam lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• Railroad tracks formerly existed in this parcel.

distribution areas, etc.) will be sampled for pesticides. Pesticide sampling in landscaped and unpaved areas has been addressed as a zone-wide issue for the parcels located in Zone 3.

Once the data gaps in Table 6-9-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 9 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target area. Two zone-wide target area samples proposed for this parcel.

This subsection of the PEP discusses the specific parcel target area. The discussion of the zone-wide target areas is provided in the Zone Analysis Plan for Zone 3. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

The following target area was identified on Parcel 9 based on possible impacts from activities described above involving potentially hazardous substances. Samples to be colled in this target area are listed in Table 6-9-1.

- Target Area 1, Open Space: The storage of aircraft in this area may have resulted in impacts to parcel soils from TPH. This target area covers approximately 21,000 square feet and has been classified as having a potential likelihood of impacts.

The following zone-wide target area was identified on Parcel 9 based on possible impacts from activities described above involving potentially hazardous substances.

- Zone 3 Target Area 1 (Landscaped and Long-Term Unpaved Areas): This target area includes all landscaped and current/former unpaved areas within Zone 3. Landscaped and unpaved areas maintained since approximately 1940 may have been impacted by pesticide residues. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. This target area is classified as having potential likelihood of impacts. Two of the twenty-six proposed zone-wide surface soil samples for pesticides and PCBs are located in Parcel 9. The samples were located on this parcel to ensure an appropriate

distribution of samples throughout the zone-wide target area. Samples that are located on Parcel 9 are listed on Table 6-9-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) will be employed to assess conditions in the target area and to identify whether further sampling in the follow-up detailed evaluation phase is necessary. Four parcel-specific surface soil samples and two zone-wide surface soil samples will be collected from the locations shown on Figure 6-9-1. The surface soil sample locations shown on Figure 6-9-1 are approximate. Sampling will be conducted in accordance with the referenced SOP in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4. Sampling associated with former railroad tracks will not be conducted because their former location is not known well enough to sample effectively.

Detailed Evaluation Phase

The detailed evaluation phase of sampling is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above on a higher density level as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-10

PARCEL 10 EVALUATION PLAN

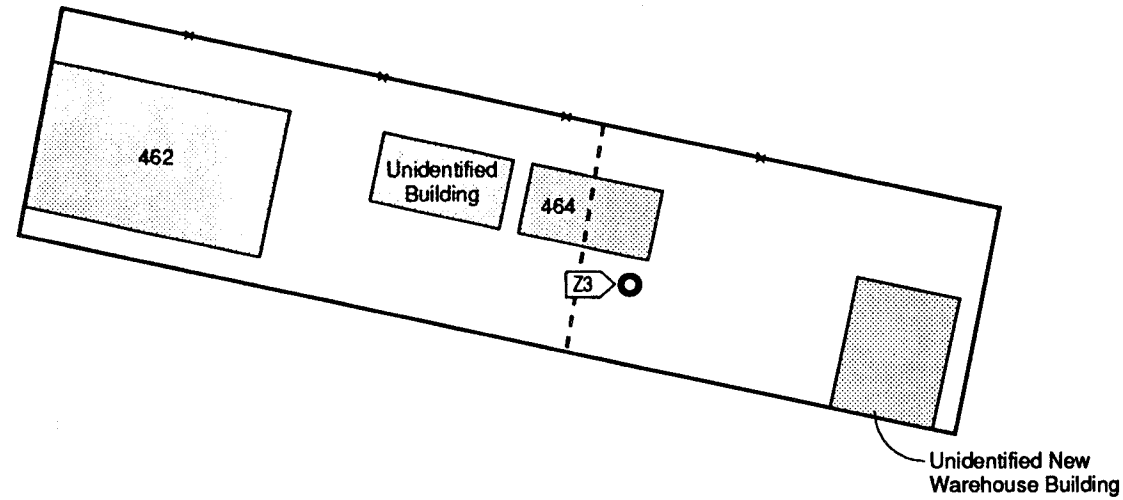
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 10 at NAS Alameda (Figure 6-10-1). The parcel, which is located in the northern portion of the base, is a half an acre in size and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel does not contain any RCRA sites. This parcel contains no parcel-specific target areas and is contained in one zone-wide target area. Surface soil sampling will be used to implement the screening-level investigation in the target areas. Table 6-10-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 10, historical activities are discussed below.

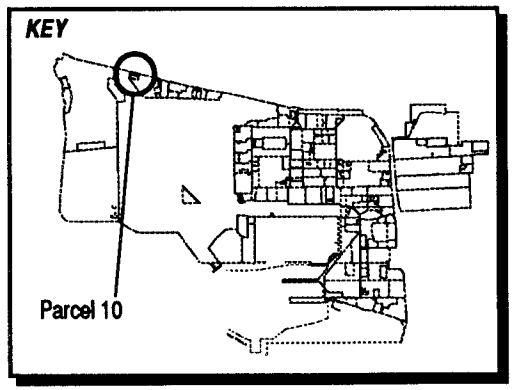
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 10, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies the Installation Restoration Program site and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 4, 9, 11, 14, 15, 16, 17, 18, 19, 20, 21, and 22. This parcel zone has been designated the Northwestern Construction and Maintenance Zone (Zone 3). The zone encompasses the parcels north of the runway that have historically contained shops and storage areas associated with a variety of activities including construction, maintenance, aircraft refueling, and fire training. During the sampling program development, the





LEGEND

- Storm Sewer Line
- Surface Soil Sample Location

Note: Parcel boundaries are approximate.

1"= 60'

Magnetic
True North

Figure 6-10-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.11/DS/07.06.94

TABLE 6-1
Summary of Recommended Samples
NAS Alameda Parcel 10

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z3-3-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-3-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS

* This is the suggested location for the confirmation sample. The actual location will depend on field analytical results.

parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 3.

Filling associated with the railroad tracks and ferry terminal formerly located along the northern edge of the current NAS Alameda runway area (including part of Parcel 10) began in the early 1900s. Prior to this time, the area was completely inundated by San Francisco Bay. The parcel was totally filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, four buildings (462, 464, an unidentified building, and an unidentified new warehouse building) cover 30 percent of the parcel. The remainder (70 percent) is open space. In general, both the buildings and open space on Parcel 10 are used for general storage. Historically, this area was used to store aircraft.

Parcel 10 is located adjacent to Installation Restoration (IR) Program Site 20, the Oakland Estuary. No previous investigations have been conducted at Parcel 10 and specific data regarding potential chemical occurrence are not available.

Storm sewer lines are present at this parcel and are shown on Figure 6-10-1. Other utilities present on the parcel include water and electrical lines.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 462

Building 462 was constructed in approximately 1962 as a general warehouse (Figure 6-10-1). Currently, the building is used to store tents, cases, and sleeping bags. Building 462 is a one story building constructed of metal. The building is generally in fair condition and covers approximately 3,700 square feet.

Hazardous materials and wastes were not observed in or around the building during the site inspection and historical information concerning hazardous materials use or handling was not available.

Building 464

Building 464 was constructed in approximately 1962 and has been used as a general storage shed. Currently, the building is used to store carbon dioxide fire extinguishers and associated fire-fighting equipment. Building 464 is a one story building constructed of metal. The building is generally in fair condition and covers approximately 1,000 square feet.

Hazardous materials and wastes were not observed in or around the building during the site inspection and historical information concerning hazardous materials use or handling was not available.

Unidentified New Warehouse Building

The date of construction of this building is not known. The building appears to have been constructed within the last five years and is located partially on Parcel 11 and partially on Parcel 10. The building is currently used for helmet storage. The building is constructed of metal with a concrete floor and is in good condition. It covers a total of approximately 2,000 square feet with approximately 50 percent located on Parcel 10.

No hazardous materials or wastes were observed to be stored in and around the building during the site inspection. Specific information was not available on historical hazardous materials use or handling in the building.

Unidentified Building

The date of construction of this building is not known. The building appears to have been constructed within the last five years and is located west of Building 464. The current and former use of the building is not known. The building is constructed of metal with a concrete floor. The building is in good condition and covers approximately 1,000 square feet.

No hazardous materials or wastes were observed to be stored in and around the building during the site inspection. Specific information was not available on historical hazardous materials use or handling in the building.

Open Space

Open space occupies approximately 70 percent of the total parcel space (approximately 23,000 square feet). Parcel 10 open space is defined as the area surrounding the parcel buildings and extending to the parcel boundaries. Historically, this area was used for aircraft parking that may have resulted in impacts to parcel soils from aircraft fuel and oil, and possibly metals. Two storage sheds are located in the open space east of Building 462. There is no evidence of chemical use or storage in these sheds. Currently, only brooms and mops are stored in these sheds. The open space occupies approximately 70 percent of the total parcel space (approximately 23,000 square feet). The ground surface of the open space is mostly gravel and bare soil.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 10 is bounded by Parcels 9, 11, 12, and 23 to the south, south, east, and west, respectively. There are no activities of environmental concern associated with the boundaries of these parcels that are likely to affect boundary areas of Parcel 10. IR Site 20, the Oakland Estuary, borders the parcel to the north. Impacted sediments have been identified in this area; however, migration of compounds of concern onto Parcel 10 is not likely.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 10, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-10-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: radiological concerns

TABLE 6-10-1

Summary of Data Gaps
NAS Alameda Parcel 10

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 10.
Installation Restoration (IR) Sites	• IR Site 20 (The Oakland Estuary) is located adjacent to the north side of Parcel 10. No additional subsurface investigation relative to IR Site 20 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Pesticides may have impacted the long-term unpaved areas on Parcel 10.
Potential Parcel-Specific Release Areas	• There are no parcel specific release areas.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer lines identified.
- Fuel lines	• No underground or aboveground fuel lines identified.

TABLE 6-10-1

Summary of Data Gaps
NAS Alameda Parcel 10

Data Gap	Status/Description
- Steam lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• Former railroad tracks.

and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewers is discussed in corresponding protocols presented in Section 3. No Industrial Hygiene (IH) sampling is required for Parcel 10 because no buildings are present.

As noted earlier, Parcel 10 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., unpaved areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling in landscaped and unpaved areas has been addressed as a zone-wide issue for the parcels located in Zone 3

Once the data gaps in Table 6-10-1 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 10 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains no parcel-specific target areas. One zone-wide target area sample is proposed for this parcel.

The following zone-wide target area was identified on Parcel 10 based on possible impacts from activities described above involving potentially hazardous substances.

- Zone 3 Target Area 1 (Landscaped and Long-Term Unpaved Areas): This target area includes all landscaped and current/former unpaved areas within Zone 3. Landscaped and unpaved areas maintained since approximately 1940 may have been impacted by pesticide residues. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. This target area is classified as having potential likelihood of impacts. One of the twenty-six proposed zone-wide surface soil samples for pesticides and PCBs is located in Parcel 10. The sample was located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area. The sample that is located on Parcel 10 is listed on Table 6-10-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening level sampling method that will be employed to assess conditions in the target area. Sampling associated with former railroad tracks will not be conducted because their former location is not known well enough to sample effectively.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-11

PARCEL 11 EVALUATION PLAN

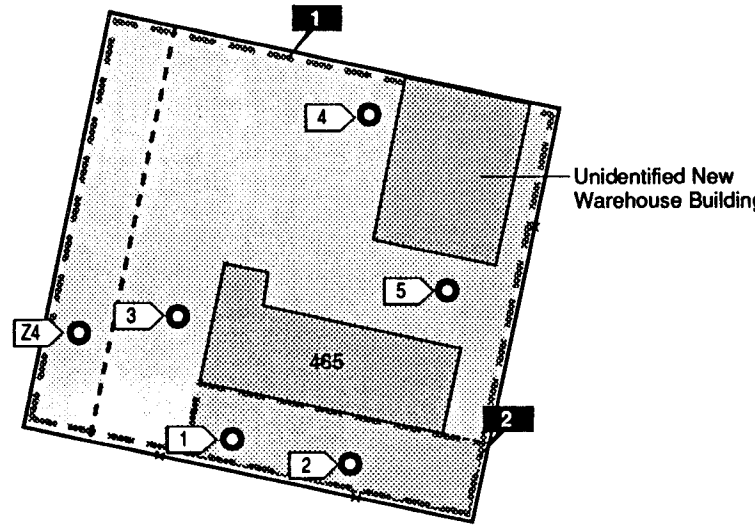
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 11 at NAS Alameda (Figure 6-11-1). The parcel, which is located in the northern portion of the base, is 0.5 acres in size and is square. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel does not contain any RCRA units. This parcel contains two parcel-specific target areas. In addition, one zone-wide target area encompasses this parcel. One zone-wide target area sample is located on this parcel. Surface soil sampling will be conducted to accomplish the screening-level investigation of this area. Table 6-11-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 11, historical activities are discussed below.

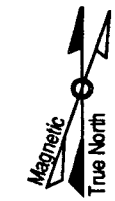
Background and Historical Activities

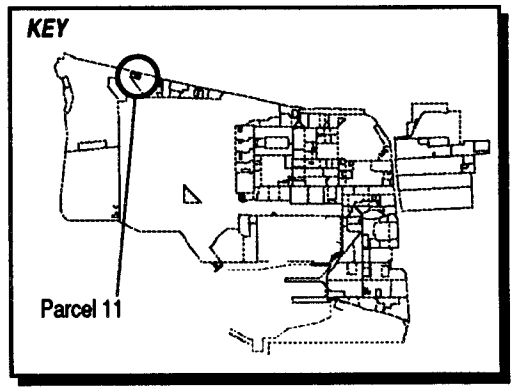
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 11, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies the Installation Restoration Program site and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 4, 9, 10, 14, 15, 16, 17, 18, 19, 20, 21, and 22. This parcel zone has been designated the Northwestern Construction and Maintenance Zone (Zone 3). The zone encompasses the parcels north of the runway that have historically contained shops and storage areas associated with a variety of activities including construction, maintenance, aircraft refueling,







LEGEND

- Target Area 1-2
- Storm Sewer Line
- Sewer Line
- Surface Soil Sample Location

Note: Parcel boundaries are approximate.

1"= 60'

Figure 6-11-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.12/DS/07.06.94

TABLE 6-11-1

Summary of Recommended Samples
NAS Alameda Parcel 11

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
11-1-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	Metals	Metals	XRF
11-2-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	Metals	Metals	XRF
11-2-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 2	Metals	Metals	CLP RAS
11-3-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Test Kit
11-4-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Test Kit
11-5-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Test Kit
11-5-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Modified EPA 8015
Z3-4-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

and fire training. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 3.

Filling associated with the railroad tracks and ferry terminal formerly located along the northern edge of the current NAS Alameda runway area (including part of Parcel 11) began in the early 1900s. Prior to this time, the area was completely inundated by San Francisco Bay. The parcel was totally filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, two buildings (465 and an unidentified warehouse building) cover 15 percent of the parcel. The remainder (85 percent) is open space. Both the building and open space on Parcel 11 are used for general storage. Historically, this area was used to store aircraft. Sewer lines are present on this parcel and are shown on Figure 6-11-1.

Parcel 11 is located approximately 100 feet south of an Installation Restoration (IR) Program site, The Oakland Estuary (IR Site 20). No previous investigations have been conducted at Parcel 11 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 465

Building 465 was constructed in approximately 1962 and has been used as a general storage shed (Figure 6-11-1). A former battery charging area was located along the south side of the building. Building 465 is a one story building constructed of wood with a metal roof. The building is generally in fair condition and covers approximately 2,000 square feet.

Hazardous materials and wastes were not observed in or around the building during the site inspection and historical information concerning hazardous materials use or handling was not available.

Unidentified New Warehouse Building

The date of construction of this building is not known. The building appears to have been constructed within the last five years and is located partially on Parcel 11 and partially on Parcel 10. The building is currently used for dry storage (e.g., helmets). The building is constructed of metal with a concrete floor and is in good condition. It covers a total of approximately 2,000 square feet with 50 percent located on Parcel 11.

Hazardous materials and wastes were not observed in or around the building during the site inspection and historical information concerning hazardous materials use or handling was not available.

Open Space

Parcel 11 open space is defined as the area surrounding Building 465 and the unidentified warehouse and extending to the parcel boundaries. This space occupies approximately 86 percent of the total parcel space (approximately 20,000 square feet). The ground surface of the open space is mostly gravel and bare soil.

Potential impacts to this area consist of activities already mentioned associated with the parcel buildings. In addition, the storage of aircraft may have resulted in impacts to parcel soils from fuel and oil. Railroad tracks historically crossed the northern part of the parcel parallel to the estuary approximately along the northern side of Building 465. Railroad ties have reportedly been uncovered in the vicinity of the parcel during past construction.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 11 is bounded by Parcels 9, 10, and 12 to the west, north, and southeast, respectively. There are no activities of environmental concern associated with the boundaries of these parcels that are likely to affect boundary areas of Parcel 11. IR Site 20, the Oakland Estuary is located approximately 100 yards north of Parcel 11. Impacted sediments

have been identified in this area; however, migration of compounds of concern onto Parcel 11 is not likely.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 11, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-11-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 11 because no buildings are present.

As noted earlier, Parcel 11 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., unpaved areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling has been addressed as a zone-wide issue for the parcels located in Zone 3.

Once the data gaps in Table 6-11-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 11 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains two parcel-specific target areas and is also contained in a zone-wide target area.

TABLE 6-11-2

Summary of Data Gaps
NAS Alameda Parcel 11

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 11.
Installation Restoration (IR) Sites	• IR Site 20 (The Oakland Estuary) is located adjacent to the north side of Parcel 11. No additional subsurface investigation relative to IR Site 20 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Pesticides may have impacted the long-term unpaved areas (currently unpaved) on Parcel 11.
Potential Parcel-Specific Release Areas	• Target Area 1, open space: Releases of petroleum hydrocarbons. • Target Area 2, Building 465: Releases of chemicals from batteries, particularly lead and acid.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

TABLE 6-11-2

Summary of Data Gaps
NAS Alameda Parcel 11

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer lines identified
- Fuel lines	• No underground or aboveground fuel lines identified.
- Steam lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• Railroad tracks formerly existed in this parcel.

This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 3. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

The following two parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-11-2. mples to be collected in this target area are in Table 6-11-1.

- Target Area 1, open space: The storage of aircraft may have resulted in impacts to parcel soils from petroleum hydrocarbons. This target area covers approximately 20,000 square feet and has been classified as having a potential likelihood of impacts.

- Target Area 2, Building 465: The soils beneath the former battery charging area may have been impacted by spills or leakage of chemicals from batteries, particularly lead and acid. This target area covers approximately 2,000 square feet and has been classified as having a potential likelihood of impacts.

The following zone-wide target area was identified on Parcel 11 based on possible impacts from activities described above involving potentially hazardous substances.

- Zone 3 Target Area 1 (Landscaped and Long-Term Unpaved Areas): This target area includes all landscaped and current/former unpaved areas within the Northwestern Construction and Maintenance Zone. Landscaped and unpaved areas maintained since approximately 1940 may have been impacted by pesticide residues. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. This target area is classified as having potential likelihood of impacts. Surface soil samples for pesticides will be collected from 13 zone-wide locations including edges of sidewalks, along building foundations, in open grass areas, and in unpaved areas. One of the twenty-six proposed zone-wide surface soil samples for pesticides is located in Parcel 11. The sample was located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area. Samples that are located on Parcel 11 are listed on Table 6-11-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) will be employed to assess conditions in the target areas and to identify whether further sampling in the follow-up detailed evaluation phase is necessary. Five parcel-specific and one zone-wide surface soil samples will be collected from the locations shown on Figure 6-11-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

The surface soil sampling locations shown on Figure 6-11-1 are approximate. Samples should be collected from visibly stained soil areas, if appropriate. Sampling associated with former railroad tracks will not be conducted because their former location is not known well enough to sample effectively.

Detailed Evaluation Phase

The detailed evaluation phase of sampling is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-14

PARCEL 14 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 14 at NAS Alameda (Figure 6-14-1). The parcel, which is located in the north central portion of the base, is approximately 0.5 acres in size and is roughly rectangular. IR Site 14, the Fire Training Area, is located on the north end of the parcel, adjacent to the Oakland Estuary (IR Site 20). The IR site has been extensively investigated by the IR contractor, with further sampling proposed. The remainder of the parcel has been classified as requiring no sampling to meet the objectives outlined in Section 1 of the Shell Workplan. The parcel does not contain any RCRA units. No parcel-specific target areas were identified. In addition, one zone-wide target area encompasses this parcel. No zone-wide or parcel-specific target area samples are located on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. Historical information on Parcel 14 is discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for Parcel 14, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies the Installation Restoration Program site and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of historical records, and historical aerial photographs. This information was used to determine whether sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 4, 9, 10, 11, 15, 16, 17, 18, 19, 20, 21, and 22. This parcel zone has been designated the Northwestern Construction and Maintenance Zone (Zone 3). The zone encompasses the parcels north of the runway that have historically contained shops and storage areas associated with a variety of activities including construction, maintenance, aircraft refueling,

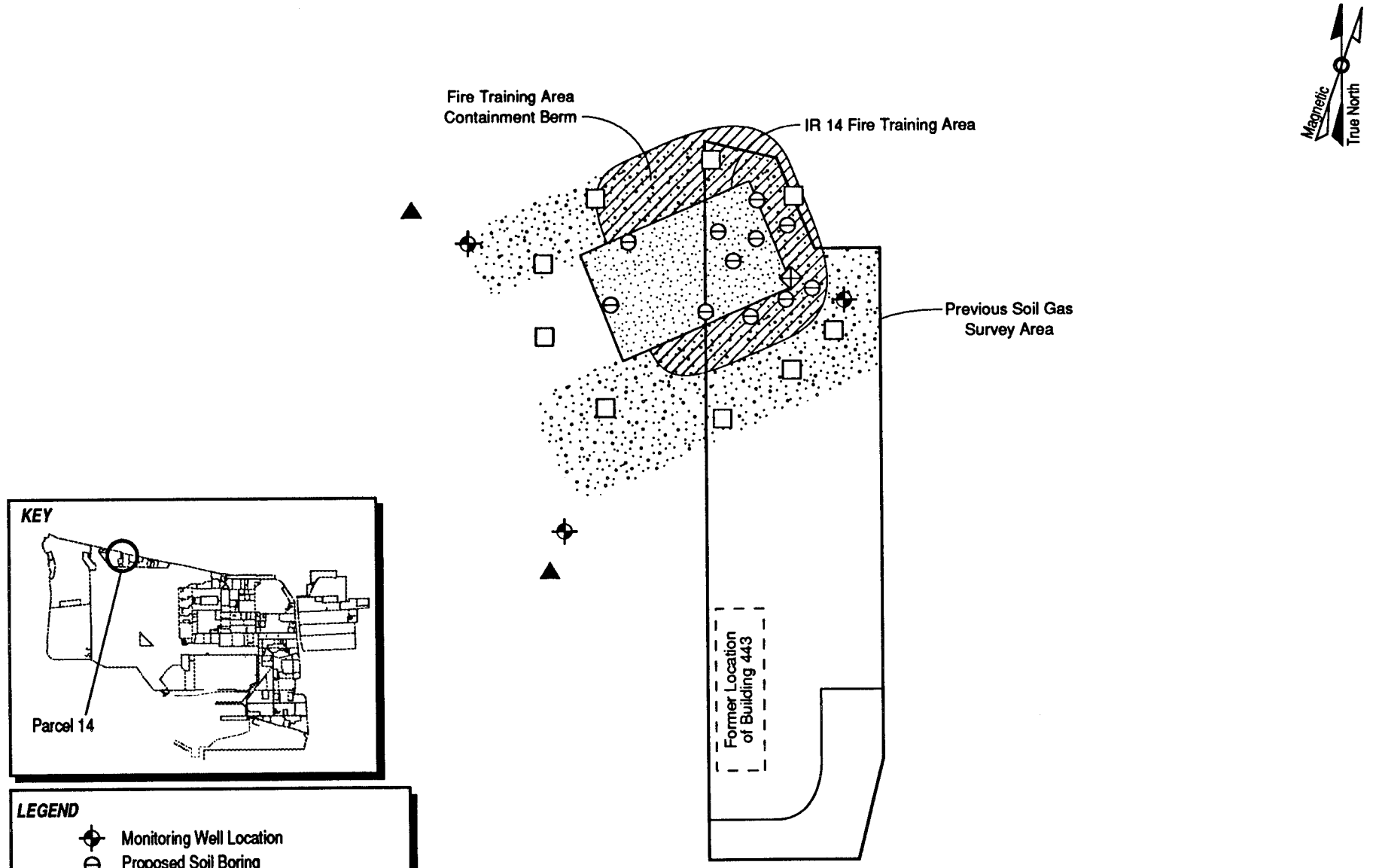


Figure 6-14-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.11/DS/07.06.94

and fire training. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 3.

Railroad tracks, that have since been removed, crossed the center of the parcel parallel to the shoreline. Filling associated with the railroad tracks and ferry terminal formerly located along the northern edge of the current NAS Alameda runway area (including part of Parcel 14) began in the early 1935. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940. Currently, no buildings or underground lines exist on the parcel.

Parcel 14 is also located approximately 100 feet south of the Oakland Estuary (IR Site 20). No previous investigations regarding IR Site 20 have been conducted at Parcel 14. The north end of Parcel 14 contains part of an Installation Restoration (IR) Program site (IR Site 14 - the Fire Training Area). Previous investigations including monitoring well installation have occurred at this IR Site on Parcel 14. Data and results are summarized in a 1992 report prepared by PRC Environmental Management, Inc. and Montgomery Watson (contract N62474-88-D-5086) entitled *Data Summary Report Phases 2B and 3.* Proposed investigations are available in a 1993 report prepared by PRC Environmental Management, Inc. and Montgomery Watson (contract N62474-88-D-5086) entitled *Follow-on Field Sampling Plan Remedial Investigation/Feasibility Study Phases 2B and 3.* Therefore, specific data regarding potential chemical occurrence on the parcel are available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space are described in detail below.

Open Space

The parcel open space is covered with gravel, soil, and debris. A small concrete building foundation (possibly former Building 143, Applied Instruction Building) is present on the parcel. Building 143 was constructed on the parcel in approximately 1958 and demolished in 1993. An old Navy fighter jet and associated debris are located on the

northern half of the parcel adjacent to the Fire Training Area. The plane may be used for fire department training activities.

Fire Training Area (IR Site 14)

The Fire Training Area (FTA) consists of a concrete pad surrounded by an earthen berm on three sides (the FTA is open to the southwest). The FTA straddles the Parcel 12/Parcel 14 boundary adjacent to the Oakland Estuary. The area was used for fire-fighting simulations from approximately 1973 to 1987. In training exercises, waste fuels from plane defueling were ignited and then extinguished with fire-fighting foam to simulate plane crashes. Excess fuel appears to have impacted area soil. A sump in the northeast corner of the FTA pad apparently collected runoff from fire training activities. The ages of the concrete pad and sump are unknown. The area is currently used for fire department rescue training using "jaws of life" and other rescue equipment on automobiles.

Previous investigations at the FTA have consisted of soil vapor sampling (44 samples), surface soil sampling (3 samples), subsurface soil sampling (9 samples), and groundwater sampling from three monitoring wells. Benzene was detected in concentrations of 50 to 150 µg/L in soil vapor samples taken at IR Site 14. Compounds detected at elevated levels in soil and/or groundwater in and around the FTA have included TPH, VOCs (especially BTEX), SVOCs, pesticides, PCBs, metals, and dioxins and furans. Pesticides, PCBs, SVOCs, VOCs, and dioxins and furans were detected in soil at concentrations below residential PRGs. TPH concentrations ranged between 661 and 2070 mg/kg in surface soils. Arsenic and beryllium were detected in soil above USEPA residential PRGs; chromium was detected in soil above Cal-modified PRGs. Antimony, arsenic, beryllium, and manganese were detected in groundwater above USEPA MCLs. Oil and grease was detected in monitoring well M14-01 at a concentration of 0.3 mg/L.

Additional sampling proposed by the IR contractor is shown on Figure 6-14-1. Proposed sampling includes: subsurface soil sampling from 11 soil borings on the FTA concrete pad and berm, CPT/Hydropunch testing in three locations near previously installed monitoring wells, sampling of FTA sump contents, and collection of nine surface soil samples around the perimeter of the FTA berm.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 14 is bordered by parcels 12, 13, and 15 and the Oakland Estuary to the west, south, east, and north, respectively. Environmental concerns associated with adjacent parcels and the Oakland Estuary (sediment contamination) are not likely to have impacted Parcel 14. It should be noted, however, that IR Site 14 has impacted adjacent Parcels 12 and possibly 15.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 14, consistent with the objectives described in Section 1 of the Shell Workplan. Since this parcel contains part of IR site 14, it can be reclassified as BRAC Category 6. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents the parcel from being reclassified from BRAC Category 6 to another BRAC category. The data gaps shown in Table 6-14-1 must be addressed before the parcel can be reclassified from BRAC Category 6 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: radiological concerns and Installation Restoration Sites. No Industrial Hygiene (IH) sampling is required for Parcel 14 because no buildings are present.

As noted earlier, Parcel 14 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., unpaved areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling in landscaped and unpaved areas has been addressed as a zone-wide issue for the parcels located in Zone 3.

TABLE 6-14-1

Summary of Data Gaps
NAS Alameda Parcel 14

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 14.
Installation Restoration (IR) Sites	• IR Site 14 (Fire Training Area) is located in Parcel 14. Additional subsurface investigation relative to IR Site 14 is proposed by the IR contractor. • IR Site 20 (The Oakland Estuary) is located adjacent to the north side of Parcel 14. Environmental concerns associated with the Oakland Estuary (sediment contamination) are not likely to have impacted Parcel 14. No additional subsurface investigation relative to IR Site 20 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Pesticides may have impacted the long-term unpaved areas (currently paved).
Potential Parcel-Specific Release Areas	• No potential parcel-specific release areas identified.

TABLE 6-14-1

Summary of Data Gaps
NAS Alameda Parcel 14

Data Gap	Status/Description
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• No evidence of underground utilities identified.
- Fuel lines	• No underground or aboveground fuel lines identified.
- Steam lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• Railroad Tracks formerly existed in this parcel.

Once the data gaps in Table 6-14-1 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 14 may be reclassified from BRAC Category 6, leased or transferred.

Target Areas and Compounds of Concern

No parcel-specific target areas were identified on this parcel. Available information does not indicate that activities described above, other than those associated with the railroad tracks and the FTA, have impacted the parcel. Although this parcel is contained in a zone-wide target area, there are no zone-wide target area samples proposed for this parcel.

The following zone-wide target area was identified on Parcel 14 based on possible impacts from activities described above involving potentially hazardous substances.

- Zone 3 Target Area 1 (Landscaped and Long-Term Unpaved Areas): This target area includes all landscaped and current/former unpaved areas within Zone 3. Landscaped and unpaved areas maintained since approximately 1940 may have been impacted by pesticide residues. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. This target area is classified as having potential likelihood of impacts. None of the twenty-six proposed zone-wide surface soil samples for pesticides are located in Parcel 14.

In addition, concerns pertaining to radiological concerns and the IR site must be resolved before this parcel can be reclassified from BRAC Category 6.

Screening-Level Investigation

A screening-level investigation will not be performed on this parcel. Previous and proposed IR investigations will provide data that will exceed the requirements of this parcel evaluation program. Sampling associated with former railroad tracks will not be conducted because their former location is not known well enough to sample effectively.

Detailed Evaluation Phase

Ongoing investigations of IR Site 14 may indicate additional impacts on Parcel 14. If this is the case, a detailed evaluation phase of sampling will be conducted on the parcel to more fully characterize parcel areas with elevated levels of compounds of concern identified during the other investigations. In this case, the boundaries of IR Site 14 would be extended to encompass the areas of Parcel 14. This characterization may utilize technologies including the following: chip sampling (SOP 18), soil vapor sampling (SOP 6), surface soil sampling (SOP 3), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-15

PARCEL 15 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 15 at NAS Alameda (Figure 6-15-1). The parcel, which is located in the northwestern portion of the base, is approximately 3.7 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. Five parcel-specific and one zone-wide target investigation areas (target areas) have been identified on this parcel. Surface soil sampling will be used to accomplish the screening-level investigation in these areas. Table 6-15-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 15, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available Parcel 15, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 4, 9, 10, 11, 14, 16, 17, 18, 19, 20, 21, and 22. This parcel zone has been designated the Northwestern Construction and Maintenance Zone (Zone 3). The zone encompasses the parcels north of the runway that have historically contained shops and storage areas associated with a variety of activities including construction, maintenance, aircraft refueling, and fire training. During the sampling program development, the

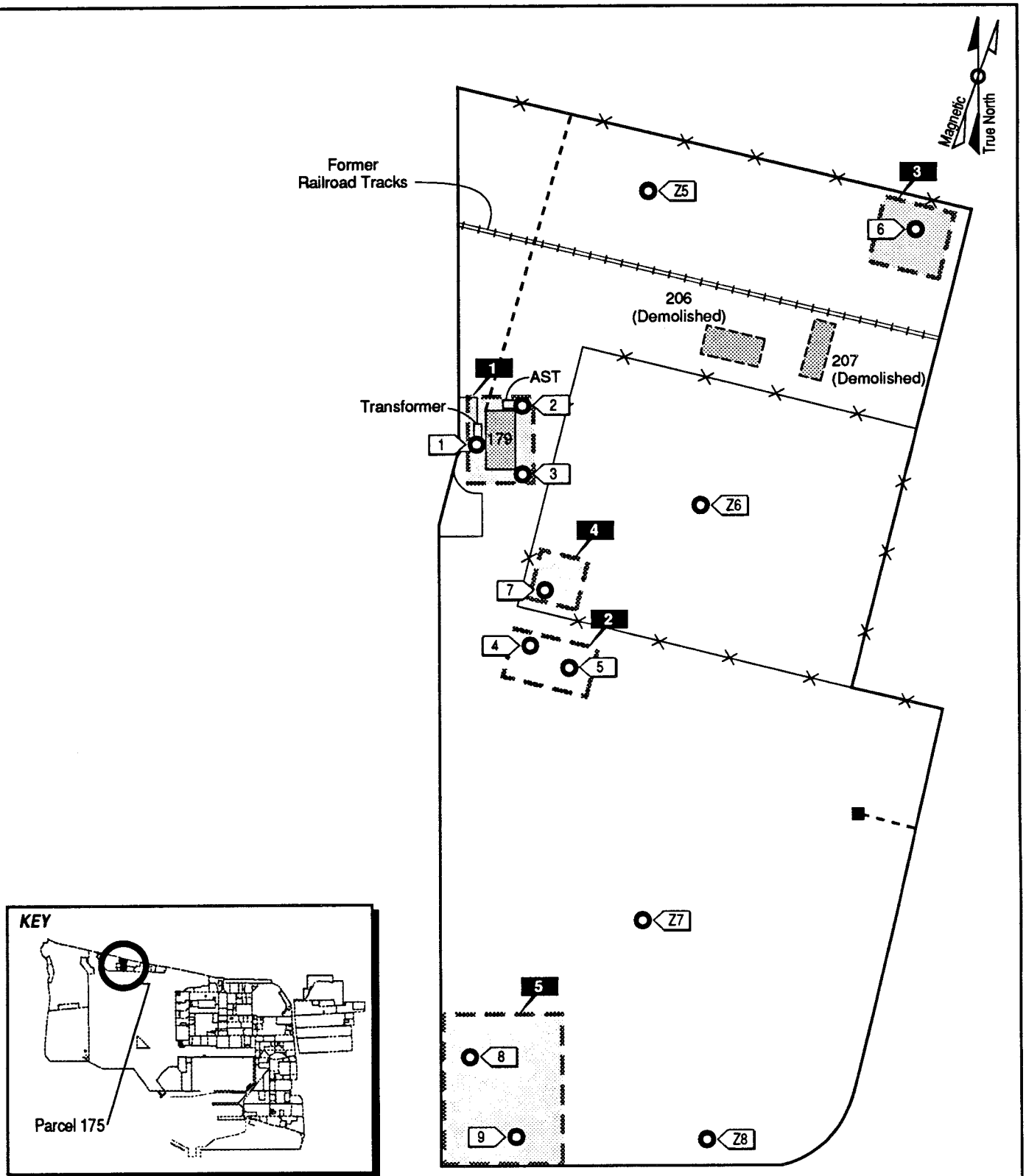


Figure 6-15-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.10/GCF/07.11.94

TABLE 6-

Summary of Recommended Samples
NAS Alameda Parcel 15

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
15-1-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Test Kit
15-2-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Test Kit
15-3-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Test Kit
15-3-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	CLP RAS
15-4-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	TPH, Metals	TPH, Metals	Test Kit, XRF
15-4-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	SVOCs	SVOCs	CLP RAS
15-4-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 2	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, CLP RAS
15-5-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	TPH, Metals	TPH, Metals	Test Kit, XRF
15-5-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	SVOCs	SVOCs	CLP RAS
15-5-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 2	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, CLP RAS
15-6-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	TPH	TPH	Test Kit
15-7-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 4	TPH	TPH	Test Kit
15-7-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 4	TPH	TPH	CLP RAS
15-8-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 5	SVOCs	SVOCs	CLP RAS
15-8-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 5	SVOCs	SVOCs	CLP RAS
15-9-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 5	SVOCs	SVOCs	CLP RAS
15-9-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 5	SVOCs	SVOCs	CLP RAS
Z3-5-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-6-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-7-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS

TABLE 6-15-1
Summary of Recommended Samples
NAS Alameda Parcel 15

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z3-7-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-8-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-8-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 3.

Filling began in the area covered by this parcel in the early 1900s. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 179) and one structure (an aboveground storage tank) cover less than one percent of the parcel. The remainder of the parcel is open space. The parcel area is presently in use as a disposal area/landfill. Two buildings were formerly located on the parcel and have since been demolished (Buildings 206 and 207). Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-15-1.

Parcel 15 is located approximately 150 feet east and 150 south of Installation Restoration (IR) Program Sites IR 14 (the Fire Training Area) and IR 20, (the Oakland Estuary), respectively. No previous investigations have been conducted at Parcel 15, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and the building located on the parcel are described in detail below.

Building 179

Building 179 was constructed in 1942 and served as a pump house for a ground water well and pump installed by Pan American Airlines (Figure 6-15-1). The well was shut down in 1991 because of naturally-occurring mercury contamination in the ground water. This building is in fair condition. Building 179 is a one story-building constructed of wood with a concrete floor. The building covers approximately 550 square feet. The space occupied by Building 179 was formerly open space used as a disposal area.

Utilities located within and immediately surrounding Building 179 include underground storm sewer, water, and electrical lines. A concrete transformer pad and generator are also located within the building.

No chemicals are documented to have been stored in or used at the building. No staining was observed on the concrete floor of the building. A transformer and switch gear are located approximately 50 feet east of Building 179.

Review of aerial photographs and site inspection data indicates that undocumented spills may have occurred at three locations adjacent to Building 179. Three stained areas observed during the site inspection appear to have resulted from releases of minor quantities of diesel fuel and oil. The soil surrounding the transformer located on the west side of the building is also stained. A second area of staining measuring approximately five feet by five feet was observed on the soil surface at the northeast corner of Building 179. The third stained area measures approximately three by four feet and is located adjacent to the southeast corner of Building 179.

Building 179 is not equipped with a heating-ventilation-air conditioning (HVAC) system.

Open Space

The open space covers approximately 99 percent of the parcel. The open space is defined by the parcel area surrounding Building 179 and extends to the parcel boundaries. A portion of the open space has been used as a disposal area/landfill. The ground surface of the open space is completely unpaved. The unpaved areas are covered with gravel (90 percent) and grass (10 percent).

Structures located within the open space include an aboveground storage tank located approximately 50 feet northeast of Building 179. It is no longer in use (Figure 6-15-1). The tank is approximately 5,000 gallons in volume and appears to have been abandoned at this location. The tank is slightly rusted on the outside. In addition, the southwest corner of the parcel is utilized as a storage area for poles and railroad ties.

Buildings 206 and 207 were formerly located in this open space northeast of Building 179. Both buildings were used as crew shelters for training exercises. The demolition dates for both buildings are not known. Both buildings were one-story Quonset huts constructed of metal and covering approximately 1,000 square feet each.

Utilities located within and immediately surrounding open space include underground storm sewer, water, and electrical lines.

EBS information indicates that activities conducted within this open space include use of the area as a disposal area/landfill. The suspected disposal area located approximately 200 feet southeast of Building 179 is currently being bulldozed. A large mound of dirt and rubble is present in this area. Several pieces of heavy equipment including a crane and bulldozer are currently located on the north side of the parcel. In addition, railroad tracks historically crossed the northern part of Parcel 15 parallel to the estuary approximately along the northern side of former Buildings 206 and 207. Railroad ties have reportedly been uncovered on a nearby parcel to the east (Parcel 18) during past construction.

Review of aerial photographs and site inspection data indicates that undocumented spills may have occurred at several locations within the open space. These spills appear to have involved a relatively minor quantity of released material. Several stains measuring up to approximately one foot by three feet were observed around the heavy equipment located on the north side of the parcel. A five-foot by five-foot area of oil staining on the dirt surface was observed adjacent to the oil drain of the crane. A spill of solidified material resembling concrete and measuring approximately eight feet by eight feet was observed adjacent to the mounds of dirt and rubble located southeast of Building 179.

No other incidents, including (i.e. fires, mishaps or flooding) are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 15 is bounded by Parcels 3, 13, and 14 to the west, Parcels 16 and 17 to the east, and Parcel 23 to the south. IR Site 20 (the Oakland Estuary) borders Parcel 15 to the north. Activities of concern on these adjacent parcels include fuel storage areas on Parcel 16, chemical storage areas on Parcel 3, and IR Site 14 (the Fire Training Area) on Parcel 14. Impacted sediments have been identified in the Oakland

Estuary; however, migration of compounds of concern onto Parcel 15 is not probable. Impacts from the Fire Training Area (FTA) are more likely. Compounds of concern in the FTA include dioxins, VOCs, pesticides, TPH, PCBs, and metals.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 15, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another category. The data gaps shown in Table 6-15-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, and Installation Restoration Sites. Sampling associated with USTs, fuel lines, and sewer lines is discussed in corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 15 because no industrial buildings are present.

As noted earlier, Parcel 15 previously had open space areas that were unpaved. Based on current EPA/Cal-EPA policy, landscaped areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., unpaved areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling in landscaped and unpaved areas has been addressed as a zone-wide issue for the parcels located in Zone 3.

Once the data gaps in Table 6-15-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 15 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

This parcel contains five parcel-specific target areas and is also contained in a zone with a zone-wide target area.

TABLE 6-15-2

Summary of Data Gaps
NAS Alameda Parcel 15

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Sites 14 (Fire Training Area) and 20 (Oakland Estuary) are located approximately 150 feet east and 150 feet north of Parcel 15, respectively. No additional subsurface investigation relative to IR Site 14 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Zone 3 Target Area 1: Pesticides may have impacted the long-term unpaved areas.

TABLE 6-15-2

Summary of Data Gaps
NAS Alameda Parcel 15

Data Gap	Status/Description
Potential Parcel-Specific Release Areas	• Target Area 1 (Building 179): Building 179 releases of petroleum hydrocarbons. • Target Area 2 (Open Space Disposal Area): May contain TPH, SVOCs, PCBs, metals. • Target Area 3 (Open Space Heavy Equipment Area): Releases of petroleum hydrocarbons. • Target Area 4 (Open Space Fenced Area): Releases of petroleum hydrocarbons from vehicles. • Target Area 5 (Open Space Storage Area): Impacted by SVOC's.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, industrial sewer, electrical, and water lines identified.
- Fuel lines	• No underground or aboveground fuel lines identified.
- Steam lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 3. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following five parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-15-2.

- Target Area 1 (Building 179): The three areas of stained soils adjacent to Building 179 may have been impacted by releases of petroleum hydrocarbons, specifically fuel oil. This target area covers approximately 700 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-15-1.

- Target Area 2 (Open Space Disposal Area): The mounds of soils in the former disposal area may contain TPH, SVOCs, PCBs, and metals. This target area covers approximately 2,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-15-1.

- Target Area 3 (Open Space Heavy Equipment Area): The areas of stained soil located near the heavy equipment on the north side of the parcel may have been impacted by releases of petroleum hydrocarbons. This target area covers approximately 2,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-15-1.

- Target Area 4 (Open Space Fenced Area): The stained soil located in the southwest corner of the fenced area may have been impacted by releases of petroleum hydrocarbons from vehicles such as heavy construction equipment. This target area covers approximately 1,500 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-15-1.

- Target Area 5 (Open Space Storage Area): The soils beneath the area utilized for the storage of poles and railroad ties may have been impacted by SVOCs, specifically creosote constituents. This target area covers approximately 4,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this Target Area are listed in Table 6-15-1.

The following zone-wide target area was identified on Parcel 15 based on possible impacts from activities described above involving potentially hazardous substances.

- Zone 3 Target Area 1 (Landscaped and Long-Term Unpaved Areas): This target area includes all landscaped and current/former unpaved areas within Zone 3. Landscaped and unpaved areas maintained since approximately 1940 may have been impacted by pesticide residues. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. This target area is classified as having potential likelihood of impacts. Four of the twenty-six proposed zone-wide surface soil samples for pesticides are located in Parcel 15. The samples were located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area. Samples that are located on Parcel 15 are listed on Table 6-15-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level investigation technique that will be used to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-15-1 summarizes screening-level sampling and analysis recommended for the parcel's target areas. Thirteen surface soil samples will be collected from the locations shown on Figure 6-15-1. Sampling will be conducted in accordance with the referenced SOP in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4. Surface soil sampling locations shown on Figure 6-15-1 are approximate and may be modified in the field based on accessibility. Samples should be collected from the areas exhibiting the darkest staining. Sampling associated with former railroad tracks will not be conducted because their former location is not known well enough to sample effectively.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technology not previously discussed: soil vapor sampling (SOP 6), subsurface GeoProbe soil sampling (SOP 14), chip sampling

(SOP 18), wipe sampling (SOP 20), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-16

PARCEL 16 EVALUATION PLAN

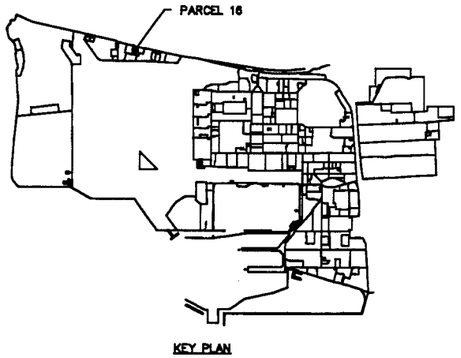
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 16 at NAS Alameda (Figure 6-16-1). The parcel, which is located in the northern portion of the base, is approximately six acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA site. RCRA Site SWMU/GII-23 has been identified in the Part B Permit as requiring a RCRA Facility Investigation (RFI). Two parcel-specific and one zone-wide target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil, GeoProbe, and Hydropunch sampling. Table 6-16-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 16, historical activities are discussed below.

Background and Historical Activities

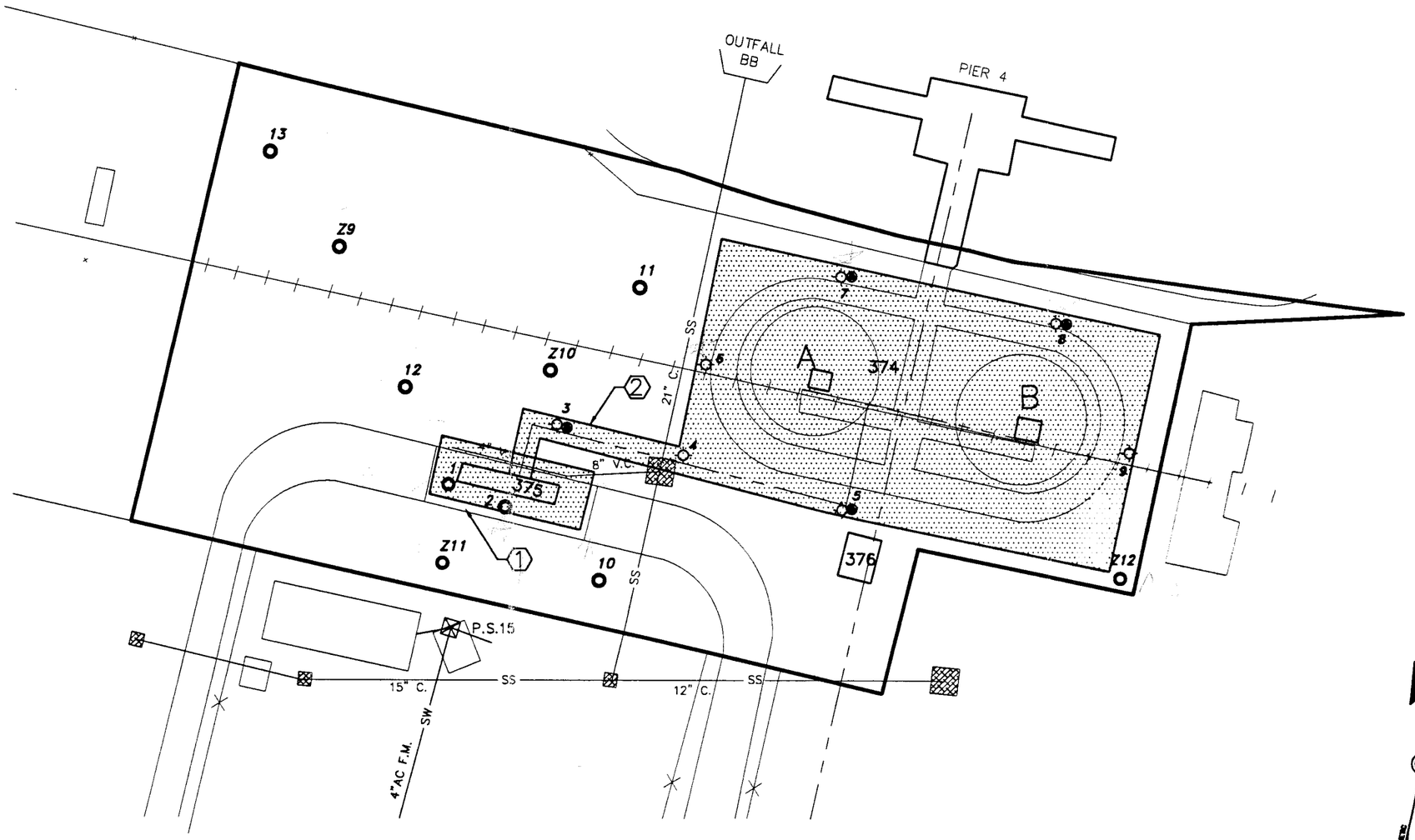
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 16, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies the Installation Restoration Program site, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 4, 9, 10, 11, 14, 15, 17, 18, 19, 20, 21, and 22. This parcel zone has been designated the Northwestern Construction and Maintenance Zone (Zone 3). The zone encompasses the parcels north of the runway that have



KEY PLAN



GENERAL LEGEND

- PARCEL OUTLINE
- 1 SURFACE SOIL SAMPLE & No.
- 2 GeoProbe SAMPLE & No.
- 3 HydroPunch SAMPLE & No.
- 3 TARGET AREA & No.

FUEL LINE LEGEND

- FUEL LINES IN USE

SANITARY SEWER LEGEND

- P.S.15 SANITARY SEWER PUMP STATION & No.
- —SW— SANITARY SEWER LINE

NOTES:

1. ALL SANITARY SEWERS ARE VITRIFIED CLAY PIPE UNLESS NOTED OTHERWISE.

STORM DRAIN LEGEND

- 2A MANHOLE & No.
- CATCH BASIN
- —SS— STORM SEWER LINE

MATERIALS:

- CI – CAST IRON
- VC – VITRIFIED CLAY
- C – CONCRETE

SCALE IN FEET

80 0 80 160 240

1" = 80'

NAVAL AIR STATION, ALAMEDA

FIGURE 6-16-1
PARCEL 16
PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO.	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS:		
19590016.DWG	PWC 17,829 (STORM DRAINS) PWC 108,728 (SANITARY SEWER) PWC 23,997 (INDUSTRIAL WASTES) HISTORIC DWGS IN EBS DATABASE (FUEL LINES)		
SCALE AS NOTED	DATE: 2.10.95/2121.96.45	SHEET	1 OF 1

TABLE 6-[illegible]
Summary of Recommended Samples
NAS Alameda Parcel 16

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
16-1-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Test Kit
16-2-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Test Kit
16-3-3-S-S-DDMMYY	3'	GeoProbe	Soil	Target Area 2	TPH	TPH	Test Kit
16-3-GWT-GW-V-DDMMYY		HydroPunch	Water	Target Area 2	TPH	TPH	EPA Modified 8015
16-4-3-S-S-DDMMYY	3'	GeoProbe	Soil	Target Area 2	TPH	TPH	Test Kit
16-5-3-S-S-DDMMYY	3'	GeoProbe	Soil	Target Area 2	TPH	TPH	Test Kit
16-5-GWT-GW-V-DDMMYY		HydroPunch	Water	Target Area 2	TPH	TPH	EPA Modified 8015
16-6-3-S-S-DDMMYY	3'	GeoProbe	Soil	Target Area 2	TPH	TPH	Test Kit
16-7-3-S-S-DDMMYY	3'	GeoProbe	Soil	Target Area 2	TPH	TPH	Test Kit
16-7-GWT-GW-V-DDMMYY		HydroPunch	Water	Target Area 2	TPH	TPH	EPA Modified 8015
16-8-3-S-S-DDMMYY	3'	GeoProbe	Soil	Target Area 2	TPH	TPH	Test Kit
16-8-GWT-GW-V-DDMMYY		HydroPunch	Water	Target Area 2	TPH	TPH	EPA Modified 8015
16-9-3-S-S-DDMMYY	3'	GeoProbe	Soil	Target Area 2	TPH	TPH	Test Kit
16-10-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
16-11-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
16-12-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
16-13-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-9-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-10-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS

TABLE 6-16-1

Summary of Recommended Samples
NAS Alameda Parcel 16

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z3-11-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-12-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS

historically contained shops and storage areas associated with a variety of activities including construction, maintenance, aircraft refueling, and fire training. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 3.

Filling began in the area covered by this parcel in the early 1900s. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Buildings 376 and 375) and three structures (two large aviation fuel storage tanks, Structures 374A and 374B, and Pier 4) cover approximately 20 percent of the parcel. Each tank has a capacity of 500,000 gallons. The remaining 80 percent is open space. The parcel area is presently in use as a JP-5 fuel bulk storage facility. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-15-1.

Parcel 16 is located approximately 100 feet south of Installation Restoration (IR) Program Site 20, the Oakland Estuary. No previous investigations have been conducted at Parcel 16, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 376

Building 376 was constructed in 1953 and served as an electrical transformer house (Figure 6-16-1). The building currently houses three pad-mounted and two wall-mounted transformers. This building is in fair condition. Building 376 is a one-story building constructed of concrete with a concrete floor and concrete-construction roof, and covers approximately 18,000 square feet. No chemicals are documented to have been stored in or used at Building 376.

Utilities located within and immediately surrounding Building 376 include underground storm sewer, electrical, and fuel lines.

Building 376 is not equipped with a heating-ventilation-air conditioning (HVAC) system.

Building 375

Building 375 was constructed in 1953 and served as a tank truck loading stand and fueling station office (Figure 6-16-1). This building is in fair condition. Building 375 is a one-story building constructed of concrete with a concrete floor and concrete-construction roof, and covers approximately 500 square feet. No chemicals are documented to have been stored in or used at Building 375.

Utilities located within and immediately surrounding the building include underground fuel, storm sewer, and electrical lines. Building 375 is not equipped with a HVAC system.

Structures 374A and 374B

Structures 374A and 374B were constructed in 1953 and serve as large underground JP-5 aviation fuel storage tanks (Figure 6-16-1). The tanks are in good condition, constructed of steel, and cover approximately 31,000 square feet. Each tank has a capacity of 500,000 gallons.

Utilities located within and immediately surrounding the tanks include underground fuel, storm sewer, and electrical lines.

Information collected during the EBS indicates that JP-5 fuel is delivered to the fuel storage facility via barge and pumped to the tanks through an aboveground pipeline. The fuel is then transferred from the tanks to individual tanker trucks that service the aircraft. The ground surface surrounding the tanks is bermed. Storm water runoff inside the bermed area is conveyed through several drains to discharge outfalls in the Oakland Estuary. No chemicals are documented to have been stored in or used at Structures 374A and 374B.

Pier 4

Pier 4 is located at the north portion of Parcel 16, and overlies the Oakland Estuary (it is not located over dry land). A release of Strontium 90 has been reported at this location. The Department of Health Services Radiation Unit reportedly has more detailed information concerning this release. This release may have impacted

the pier. As noted earlier, however, radiological concerns are being addressed under a separate program.

Open Space

The open space covers approximately 80 percent of the parcel. The ground surface of the open space is unpaved, bare soil except for an area covered by an asphalt-paved road. Structures present in the open space include aboveground fuel pipelines. Utilities located within the open space include underground fuel, storm sewer, and electrical lines.

EBS information indicates that during the period from October 1992 to October 1993, pesticides were applied biannually to the ground surface within the open space to control grasses and weeds. It is likely that pesticides were also applied to this area prior to 1992, possibly since the early 1900s (in northern portion of the parcel). Railroad tracks historically crossed Parcel 16 parallel to the estuary in a line running approximately through the centers of the existing Structures 374A and 374B. Railroad ties have reportedly been uncovered on a nearby parcel to the east (Parcel 18) during past construction activities.

Underground Storage Tanks

Two large underground storage tanks (USTs) exist at this parcel. The condition of the two active tanks (Tanks 374A and 374B) is unknown. Based on the available information, the tanks store JP-5 aviation fuel. Two additional USTs formerly existed at this parcel near Structures 374A and 374B. No UST investigations have been conducted at this parcel. No information is available regarding the USTs' condition or tightness.

Parcel Boundary Conditions

Parcel 16 is bounded by Parcels 15, 17, and 18. Activities of concern on these adjacent parcels include chemical storage on Parcel 3. The Oakland Estuary, IR Site 20, borders Parcel 16 to the north. Impacted sediments have been identified in the Oakland Estuary; however, migration of compounds of concern onto Parcel 16 is not probable.

RCRA Sites

This subsection identifies the RCRA Site and requirements associated with this site on the parcel, consistent with the objectives described in Section 1 of the Shell Workplan. This parcel includes one RCRA site (SWMU/GII-23) that consists of the two large USTs described above (Structures 374A and 374B), as well as their associated structures. This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, the site requires further investigation. Site GII-23 is listed in the RCRA Part B Permit and must be investigated as part of the RCRA Facility Investigation (RFI) for NAS Alameda. The requirements for the RFI are described in detail in Section 8. The sampling proposed for the site that requires sampling is described in the Target Areas and Compounds of Concern subsection.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 16, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another category. The data gaps shown in Table 6-16-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently ongoing to address the following data gaps: transformers, lead-based paint, asbestos, underground storage tanks, and IR sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewer lines is discussed in corresponding protocols presented in Section 3.

No industrial hygiene (IH) sampling is required for Parcel 16 because no industrial buildings are present.

As noted earlier, Parcel 16 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling in landscaped and unpaved areas is being addressed as a zone-wide issue for the parcel located in Zone 3.

TABLE 6-16-2

Summary of Data Gaps
NAS Alameda Parcel 16

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 16.
Installation Restoration (IR) Sites	• IR Site 20 (The Oakland Estuary) is located adjacent to the north side of Parcel 14. Environmental concerns associated with the Oakland Estuary (sediment contamination) are not likely to have impacted Parcel 14. No additional subsurface investigation relative to IR Site 20 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Zone 3 Target Area 1 Landscaped Area. During the sampling program development, two of the thirteen proposed zone-wide surface soil samples for pesticides were located in Parcel 16.

TABLE 6-16-2

Summary of Data Gaps
NAS Alameda Parcel 16

Data Gap	Status/Description
Potential Parcel-Specific Release Areas	• Target Area 1 (Building 375): Releases of petroleum hydrocarbons from fuel transfer operations. • Target Area 2 (Aboveground Fuel Pipelines): Releases of petroleum hydrocarbons.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• Four USTs currently exist at Parcel 16. One UST is scheduled to be removed. • Future actions for three of the tanks are unknown
Underground Utilities	• Storm sewer lines identified.
- Fuel lines	• Underground and aboveground fuel lines identified.
- Steam lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• Former railroad tracks were located at this parcel.

Once the data gaps in Table 6-16-2 are addressed and screening-level sampling results from the target areas described below are compared to PRGs, Parcel 16 may be reclassified from BRAC category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains two parcel-specific target areas and is also contained in a zone-wide target area. This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 3. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following two parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-16-2.

- Target Area 1 (Building 375): The soils adjacent to Building 375 may have been impacted by releases of petroleum hydrocarbons from fuel transfer operations. This target area covers approximately 20,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-16-1.

- Target Area 2 (Aboveground Fuel Pipelines): The soils beneath or adjacent to the aboveground fuel pipelines may have been impacted by releases of petroleum hydrocarbons. Groundwater at the parcel may have also been impacted by fueling operations conducted at the site. This target area covers approximately 25,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-16-1.

- Target Area 3 (Open Space, northwestern section): During the period from October 1992 to October 1993, pesticides were applied biannually to the ground surface within the open space to control grasses and weeds. It is likely that pesticides were also applied to this area prior to 1992, possibly since the early 1900s.

The following zone-wide target area was identified on Parcel 16 based on possible impacts from activities described above involving potentially hazardous substances.

- Zone 3 Target Area 1 (Landscaped and Long-Term Unpaved Areas): This target area includes all landscaped and current/former unpaved areas within Zone 3. Landscaped and unpaved areas maintained since approximately 1940 may have been impacted by pesticide residues. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. This target area is classified as having potential likelihood of impacts. Approximate sampling locations are shown on Figure 6-Z3-1. Four of the twenty-six proposed zone-wide surface soil samples for pesticides are located in Parcel 16. The samples were located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area. Samples that are located on Parcel 16 are listed on Table 6-16-1.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3), subsurface GeoProbe soil sampling (SOP 14), and Hydropunch groundwater sampling (SOPs 1 and 15).

Table 6-16-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 16. Ten surface soil samples, seven GeoProbe samples, and four HydroPunch samples will be collected from the parcel specific locations shown on Figure 6-16-1. Four surface soil samples will be collected from the zone-wide locations shown on Figure 6-16-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4. The sampling locations shown on Figure 6-16-1 are approximate. Samples should be located in the areas with the most significant staining. If no staining is evident, then the samples should be distributed evenly over the target area. Sampling associated with former railroad tracks will not be conducted because their former location is not known well enough to sample effectively.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level

investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technology not previously discussed: soil vapor sampling (SOP 6) and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-17

PARCEL 17 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 17 at NAS Alameda (Figure 6-17-1). The parcel, which is located in the northern portion of the base, is approximately two acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA site. RCRA Site GII-7 has been identified in the Part B Permit as requiring an RFI. Four parcel-specific and one zone-wide target investigation areas (target areas) have been identified on this parcel. Surface soil sampling and subsurface GeoProbe soil sampling will be used to accomplish the screening-level investigation. Table 6-17-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 17, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 17, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies the Installation Restoration Program site and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 4, 9, 10, 11, 14, 15, 16, 18, 19, 20, 21, and 22. This parcel zone has been designated the Northwestern Construction and Maintenance Zone (Zone 3). The zone encompasses the parcels north of the runway that have historically contained shops and storage areas associated with a variety

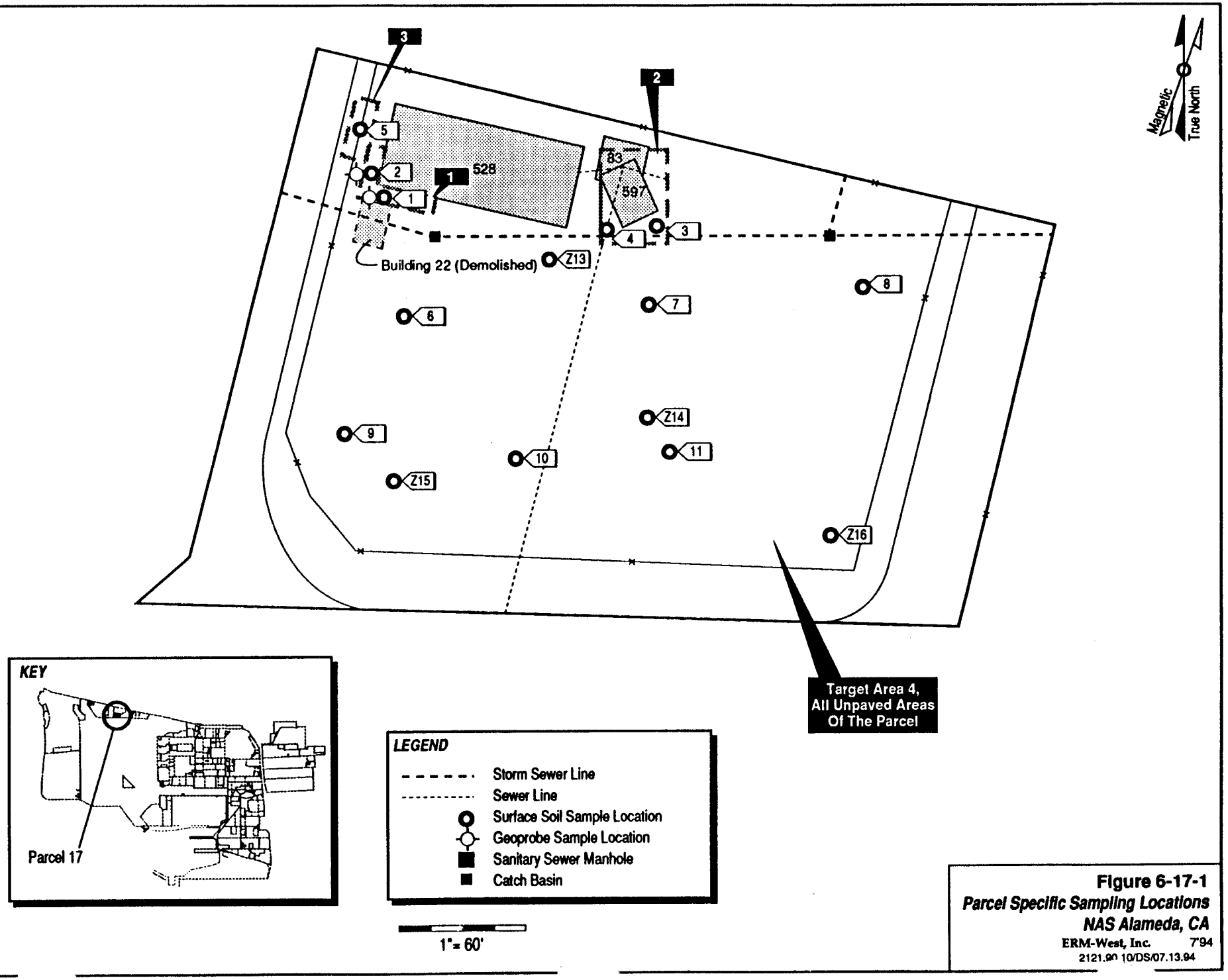


Figure 6-17-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7/94
2121.90 10/DS/07.13.94

TABLE 6-1
Summary of Recommended Samples
NAS Alameda Parcel 17

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
17-1-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH, Metals	TPH, Metals	Test Kit, XRF
17-1-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	SVOCs	SVOCs	CLP RAS
17-1-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 1	VOCs	VOCs	CLP RAS
17-2-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH, Metals	TPH, Metals	Test Kit, XRF
17-2-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 1	TPH, Metals	TPH, Metals	Modified EPA 8015, CLP RAS
17-2-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	SVOCs	SVOCs	CLP RAS
17-2-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 1	VOCs	VOCs	CLP RAS
17-3-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	TPH, Metals	TPH, Metals	Test Kit, XRF
17-4-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	TPH, Metals	TPH, Metals	Test Kit, XRF
17-4-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 2	TPH, Metals	TPH, Metals	Modified EPA 8015, CLP RAS
17-5-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	TPH	TPH	Test Kit
17-6-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 4	TPH	TPH	Test Kit
17-7-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 4	TPH	TPH	Test Kit
17-7-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 4	TPH	TPH	Modified EPA 8015
17-8-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 4	TPH	TPH	Test Kit
17-9-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 4	TPH	TPH	Test Kit
17-9-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 4	TPH	TPH	Modified EPA 8015
17-10-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 4	TPH	TPH	Test Kit
17-11-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 4	TPH	TPH	Test Kit
Z3-13-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS

TABLE 6-17-1

Summary of Recommended Samples
NAS Alameda Parcel 17

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z3-14-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-15-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-16-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

of activities including construction, maintenance, aircraft refueling, and fire training. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 3.

Filling began in the area covered by this parcel in the early 1900s. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, three buildings (Buildings 528, 597, and 83) and one structure (sewage lift station 15) cover approximately five percent of the parcel. The remaining 95 percent is open space. The parcel area is presently in use for vehicle and equipment repair activities and equipment storage. One other building (Building 22) was formerly located on the parcel and has since been demolished. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-17-1.

Parcel 17 is located approximately 400 feet south of Installation Restoration (IR) Program Site 20, the Oakland Estuary. No previous investigations have been conducted at Parcel 17, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 528

Building 528 was constructed in 1971 and serves as a heavy equipment and vehicle maintenance shop (Figure 6-17-1). This building was in good condition. Building 528 is a one-story building constructed of concrete with a concrete floor and metal-construction roof, and covers approximately 4,000 square feet.

Utilities located within and immediately surrounding Building 528 include underground sanitary sewer, storm sewer, telephone, water, electrical, and underground electrical lines.

Information collected during the EBS indicates that activities conducted within this building include maintenance and repair of vehicles and equipment. Chemicals associated with these activities and used at Building 528 include petroleum products (oil, grease, and fuels), paints, cleaners, parts washer solvent, and battery fluids. Three flammable storage cabinets and a parts washer unit are located in the building. Building floor drains route spilled materials to the sanitary sewer system. In addition, a storm drain is located approximately 15 feet southwest of Building 528.

Two steel storage sheds located adjacent to Building 528 are used as satellite accumulation areas for hazardous wastes generated from maintenance and repair activities. One shed is used to store used batteries and paint, and the second shed is used to store petroleum products and solvents. The hazardous materials stored in these two sheds are removed by the hazardous materials team.

Review of aerial photographs and site inspection data indicates that undocumented spills may have occurred at several locations within and outside of the building. These spills appear to be materials related to vehicle repair activities (i.e., petroleum products, solvents, and acids) and involved a minor quantity of released material. Scattered stains were observed on the concrete floor of the building, and an area of oil staining measuring approximately 10 by 10 feet was present at the location of the storm drain outside of the building. This staining will be sampled in Target Area 1 investigation.

Building 528 is not equipped with a heating-ventilation-air conditioning (HVAC) system.

Building 597

Building 597 is currently used as a tire shop (Figure 6-17-1). The date of construction of this building is not known. Building 597 was historically used as a welding and steel cutting shop. This building was in good condition. Building 597 is a one-story building constructed of metal with a concrete floor and metal-construction roof, and covers approximately 2,000 square feet.

Utilities located within and immediately surrounding Building 597 include underground sanitary sewer, storm sewer, telephone, water, electrical, and underground electrical lines.

Information collected during the EBS indicates that activities historically conducted within this building included welding and steel cutting operations. Current activities include tire repair and tire

mounting operations. Chemicals associated with these activities and used at Building 597 include petroleum products (oils and fuels), glues, and cleaners. Scattered stains were observed on the concrete floor of the building. A compressed gas cylinder containing argon gas was located on the west exterior of the building. The concrete floor around the building floor drain was partially corroded.

Building 597 is not equipped with a heating-ventilation-air conditioning (HVAC) system.

Building 83

Building 83 is currently used as office space and is located adjacent to Building 597 (Figure 6-17-1). The date of construction of this building is not known. This building is in good condition. Building 83 is a one-story building constructed of metal with a concrete floor and metal-construction roof, and covers approximately 2,000 square feet.

Utilities located within and immediately surrounding Building 83 include underground sanitary sewer, storm sewer, telephone, water, electrical, and underground electrical lines. No additional specific information regarding Building 83 was available.

Open Space

The open space covers approximately 95 percent of the parcel. It is used for equipment and vehicle parking. The ground surface of the open space is largely unpaved, except for an asphalt road along the eastern boundary of the parcel. The open space area consists of bare soil and gravel.

Structures located within the open space include Sewage Lift Station 15 located near the northern boundary of the parcel, an aboveground diesel fuel tank, and pad-mounted transformer located on the west side of Building 528. The dates of construction of these structures are not known.

Building 22 was formerly located in this open space. The dates of construction and demolition are not known. The materials of construction of Building 22 are also not known.

Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, telephone, water, and electrical lines.

EBS information indicates that a vehicle washdown area is located near the southwest corner of Building 528. The southwest corner of the parcel is used as a hazardous waste accumulation area. No hazardous waste was observed to be stored at this location. An empty 55-gallon drum labeled hydraulic oil and miscellaneous pieces of equipment were observed at this location at the southwest corner of the parcel. A storm water drain to collect surface water runoff from the parking area was located near the northeast corner of the parcel.

Site inspection data indicates that undocumented spills may have occurred at locations throughout the parking area and equipment yard. These spills appear to be petroleum products, primarily oils and fuels, and to have involved a relatively minor quantity of released material. Some areas of staining measure up to approximately three feet in diameter. No other incidents (i.e. fires, mishaps, or flooding) are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 17 is bounded by Parcels 15, 16, and 18. Activities of concern on these adjacent parcels include JP-5 fuel storage on Parcel 16 and a former disposal area/landfill on Parcel 15. IR Site 20, the Oakland Estuary, is located approximately 400 feet north of Parcel 17 but is not contiguous with Parcel 17. If the continuing investigations at the nearby sites reveal a cause for concern at Parcel 17, then additional sampling on Parcel 17 may be appropriate.

RCRA Sites

This subsection identifies the RCRA Site and requirements associated with this site on the parcel, consistent with the objectives described in Section 1 of the Shell Workplan. This parcel includes one RCRA site (Site GII-7). Site GII-7 is an area of soils measuring approximately 20 feet by 10 feet located on the south side of Building 528. No known releases have been documented at the site. The chemicals of concern associated with this site include waste petroleum hydrocarbons and

spent lead-acid electrolyte solutions. During the RFA, these compounds were apparently found to be stored directly on the soil (without secondary containment). This site is described as being currently active, and there are no plans for closure.

This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, the site requires further investigation. Site GII-7 is listed in the RCRA Part B Permit and must be investigated as part of the RCRA Facility Investigation (RFI) for NAS Alameda. The requirements for the RFI are described in detail in Section 8. The sampling proposed for the site that requires sampling is described in the Target Areas and Compounds of Concern subsection.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 17, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another category. The data gaps shown in Table 6-17-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently ongoing to address the following data gaps: transformers, lead-based paint, asbestos, and IR sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in corresponding protocols presented in Section 3.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 528. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

As noted earlier, Parcel 17 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling in landscaped

TABLE 6-17-2

Summary of Data Gaps
NAS Alameda Parcel 17

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 20 (The Oakland Estuary) is located directly to the north side of Parcel 17. IR 20 is unlikely to have impacted Parcel 17. No additional subsurface investigation relative to IR Site 20 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Zone 3 Target Area 1: Pesticides may have impacted the long-term unpaved areas.

TABLE 6-17-2

Summary of Data Gaps
NAS Alameda Parcel 17

Data Gap	Status/Description
Potential Parcel-Specific Release Areas	• Target Area 1 (Building 528): Releases of petroleum products, solvents, and cleaners. • Target Area 2 (Building 597): Releases of petroleum products, glues, and cleaners. • Target Area 3 (Above Ground Diesel) Releases of fuel. • Target Area 4 (Open Space): Releases of petroleum hydrocarbons.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, industrial sewer, electrical, and water lines identified.
- Fuel lines	• No underground or aboveground fuel lines identified.
- Steam lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

and unpaved areas is being addressed as a zone-wide issue for parcels in Zone 3.

As noted earlier, Parcel 19 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no parcel-specific pesticide sampling in landscaped and unpaved areas is being addressed as a zone-wide issue for parcels in Zone 3.

Once the data gaps in Table 6-17-2 are addressed and screening-level sampling results from the target areas described below are compared to PRGs, Parcel 17 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains four parcel-specific target areas and is also contained in a zone-wide target area. This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 3. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following four parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-17-2.

- Target Area 1 (Southwest corner of Building 528): The area at the southwest corner of Building 528 may have been impacted by leakage of petroleum products, solvents, and cleaners used in building operations. Compounds of concern are VOCs, SVOCs, TPH, and metals. This target area covers approximately 1,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-17-1.

- Target Area 2 (Building 597): The area around Building 597 may have been impacted by leakage of petroleum products, glues, and

cleaners used in building operations. Compounds of concern are TPH, and metals. This target area covers approximately 2,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-17-1.

- Target Area 3 (Above Ground Diesel Storage Tank): The soils beneath the above ground diesel tank located on the west side of Building 528 may have been impacted by releases of fuel. TPH is the compound of concern. This target area covers approximately 500 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-17-1.

- Target Area 4 (Open Space): The soils in the vehicle and equipment parking area and hazardous waste storage area may have been impacted by releases of petroleum hydrocarbons. Significant staining from vehicle maintenance was noted during the site inspection. TPH is the compound of concern. This target area covers approximately 60,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-17-1.

The following zone-wide target area was identified on Parcel 17 based on possible impacts from activities described above involving potentially hazardous substances.

- Zone 3 Target Area 1 (Landscaped and Long-Term Unpaved Areas): This target area includes all landscaped and current/former unpaved areas within Zone 3. Landscaped and unpaved areas maintained since approximately 1940 may have been impacted by pesticide residues. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. This target area is classified as having potential likelihood of impacts. Four of the twenty-six proposed zone-wide surface soil samples for pesticides are located in Parcel 17. The samples were located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area. Samples that are located on Parcel 17 are listed on Table 6-17-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) and subsurface GeoProbe soil sampling (SOP 14), are the screening-level techniques that will be employed to

assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

Table 6-17-1 summarizes screening-level sampling and analysis recommended for the parcel's target areas. Eleven parcel-specific surface soil samples, two subsurface GeoProbe soil samples and four zone-wide surface soil samples will be collected from the locations shown on Figure 6-17-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4. The sampling locations shown on Figure 6-17-1 are approximate.

- Target Area 1: The stains at Building 528, and specifically a 10-foot-by-10-foot oil stain located near the storm drain, are located within Target Area 1. One of the two soil samples proposed for this target area is intended to be collected from the 10-foot-by10-foot oil stain. The second samples will be collected from SWMU GII-7

- Target Area 2: Two surface soil samples will be collected from areas of staining outside of Building 597.

- Target Area 3: One surface soil sample will be collected from beneath the diesel fuel tank from an area of visual staining.

- Target Area 4: Six surface soil samples will be collected from areas with visual staining. The samples should be distributed evenly over the unpaved area.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-18

PARCEL 18 EVALUATION PLAN

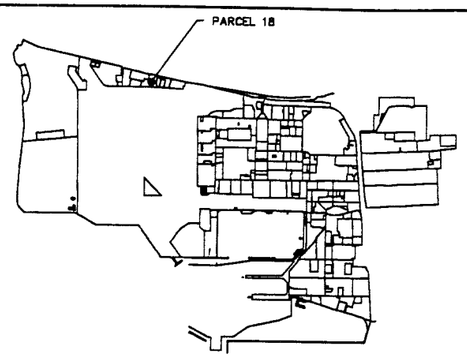
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 18 at NAS Alameda (Figure 6-18-1). The parcel, which is located in the northwest portion of the base, is approximately four acres in size and is roughly L-shaped. The buildings on the parcel are currently vacant. The parcel has been classified as requiring a high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA unit (SWMU/GAP 78) described in the Part B permit as requiring an RFI. A total of six parcel-specific and one zone-wide target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil and soil vapor sampling. Table 6-18-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 18, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 18, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies the Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 4, 9, 10, 11, 14, 15, 16, 17, 19, 20, 21, and 22. This parcel zone has been designated the Northwestern Construction and Maintenance Zone (Zone 3). The zone encompasses the parcels north of the runway that have



KEY PLAN

FUEL LINE LEGEND

FUEL LINES IN USE

SANITARY SEWER LINE LEGEND

P.S.10 PUMP STATION & No.

SW SANITARY SEWER LINE

MATERIALS:

F.M. – FORCED MAIN
A.C. – ASBESTOS CEMENT
C.I. – CAST IRON

NOTES:

1. ALL SANITARY SEWERS ARE VITRIFIED CLAY PIPE UNLESS NOTED OTHERWISE.

STORM DRAIN LEGEND

CATCH BASIN

SS STORM SEWER LINE

MATERIALS:

R.C. – REINFORCED CONCRETE

GENERAL LEGEND

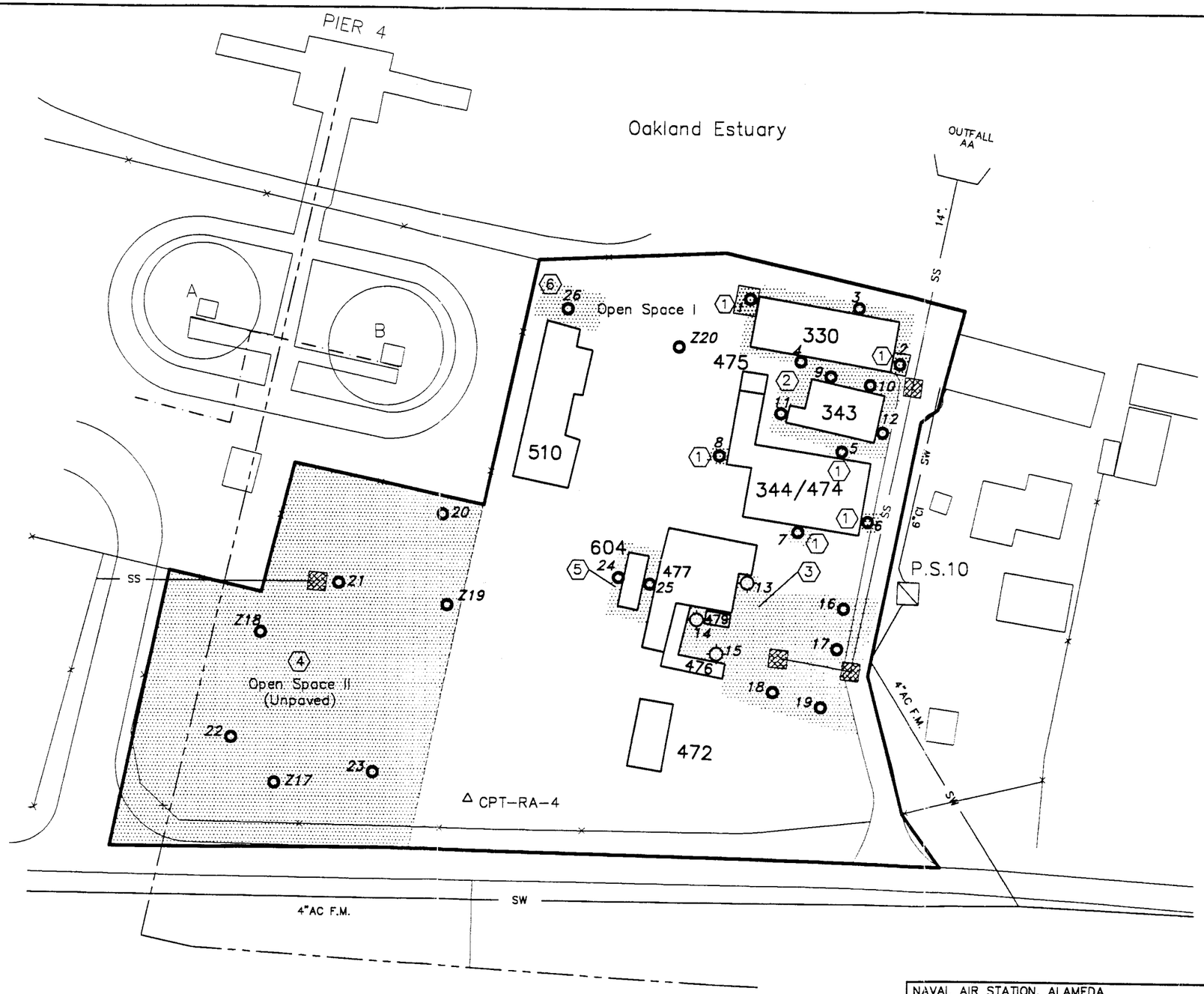
PARCEL OUTLINE

15 GeoProbe SOIL SAMPLE & No.

16 SURFACE SOIL SAMPLE & No.

CPT–RA–4 PROPOSED IR CONTRACTOR CPT/HYDROPUNCH SAMPLE & No.

11 TARGET AREA & No.



SCALE IN FEET

80 0 80 160 240

1" = 80'

NAVAL AIR STATION, ALAMEDA

FIGURE 6–18–1
PARCEL 18
PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO.	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS:
19590018.DWG	PWC 17,629 (STORM DRAINS) PWC 108,728 (SANITARY SEWER) PWC 23,997 (INDUSTRIAL WASTES) HISTORIC DWGS IN EBS DATABASE (FUEL LINES)
SCALE AS NOTED	DATE: 2.10.95/2121.96.45 SHEET 1 OF 1

TABLE 6-18-1
Summary of Recommended Samples
NAS Alameda Parcel 18

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
18-1-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Test Kit
18-2-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Test Kit
18-2-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Modified EPA 8015
18-3-0-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	Metals	Metals	XRF
18-3-0-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 2	Metals	Metals	CLP RAS
18-4-0-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	Metals	Metals	XRF
18-5-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Test Kit
18-6-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Test Kit
18-7-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Test Kit
18-7-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Modified EPA 8015
18-8-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Test Kit
18-9-0-S-S-DDMMYY	0-0.5'	Surface	Soil (Blast Media)	Target Area 2	Metals	Metals	XRF
18-10-0-S-S-DDMMYY	0-0.5'	Surface	Soil (Blast Media)	Target Area 2	Metals	Metals	XRF
18-11-0-S-S-DDMMYY	0-0.5'	Surface	Soil (Blast Media)	Target Area 2	Metals	Metals	XRF
18-12-0-S-S-DDMMYY	0-0.5'	Surface	Soil (Blast Media)	Target Area 2	Metals	Metals	XRF
18-12-0-V-DDMMYY *	0-0.5'	Surface	Soil (Blast Media)	Target Area 2	Metals	Metals	CLP RAS
18-13-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 3	VOCs	VOCs	CLP RAS
18-14-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 3	VOCs	VOCs	CLP RAS
18-15-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 3	VOCs	VOCs	CLP RAS
18-16-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	Dioxins/Furan	Dioxins/Furan	CLP RAS

TABLE 6-18-1
Summary of Recommended Samples
NAS Alameda Parcel 18

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
18-17-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	Dioxins/Furan	Dioxins/Furan	CLP RAS
18-18-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	Dioxins/Furan	Dioxins/Furan	CLP RAS
18-19-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	Dioxins/Furan	Dioxins/Furan	CLP RAS
18-20-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 4	TPH, Metals	TPH, Metals	Test Kit, XRF
18-20-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 4	SVOCs	SVOCs	CLP RAS
18-21-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 4	TPH, Metals	TPH, Metals	Test Kit, XRF
18-21-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 4	SVOCs	SVOCs	CLP RAS
18-21-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 4	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, CLP RAS
18-22-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 4	TPH, Metals	TPH, Metals	Test Kit, XRF
18-22-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 4	SVOCs	SVOCs	CLP RAS
18-23-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 4	TPH, Metals	TPH, Metals	Test Kit, XRF
18-23-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 4	SVOCs	SVOCs	CLP RAS
18-24-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 5	TPH, Metals	TPH, Metals	Test Kit, XRF
18-24-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 5	TPH, Metals	TPH, Metals	CLP RAS
18-25-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 5	TPH, Metals	TPH, Metals	Test Kit, XRF
18-26-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 6	Metals	Metals	CLP RAS
Z3-17-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-18-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-19-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS

TABLE 6-18-1

Summary of Recommended Samples
NAS Alameda Parcel 18

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z3-20-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

historically contained shops and storage areas associated with a variety of activities including construction, maintenance, aircraft refueling, and fire training. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 3.

Filling associated with the railroad tracks and ferry terminal formerly located along the northern edge of the current NAS Alameda runway area (including part of Parcel 18) began in the early 1900s. Prior to this time, the area was completely inundated by San Francisco Bay. The area within the parcel boundaries was totally filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, ten buildings (330, 343, 344/474, 472, 475, 476, 477, 479, 510, and 604) cover 15 percent of the parcel. The remaining 85 percent is open space. Most of the buildings on Parcel 18 were historically used for fabrication and repair of equipment used for aircraft overhaul. Open space, particularly in the southwestern area of the parcel, has been used for staging of equipment and materials since the 1940s. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-18-1.

Parcel 18 is located adjacent to Installation Restoration (IR) Program Site 20 (the Oakland Estuary). No previous investigations have been conducted at Parcel 18 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. At least four transformers are located on the parcel. Two near Building 474 are known to contain oil with concentrations of greater than 50 parts per million of PCBs.

Potential environmental or industrial hygiene concerns within parcel open space and buildings are described in detail below.

Building 330

Building 330 was constructed in approximately 1948 and has been used for metal working and wood working (Figure 6-18-1). The building is in fair condition. Building 330 is a Quonset hut constructed of

corrugated metal with a concrete floor. Currently, the building is not in use except for storage of a few pieces of equipment salvaged from other buildings. Building 330 covers approximately 5,300 square feet.

Utilities located within and immediately surrounding Building 330 include underground sanitary sewer, storm sewer, telephone, water, electrical, and underground electrical lines.

Information collected during the EBS indicates that leakage and spillage of diesel fuel from two tanks (outside) and two heaters (inside) located on the eastern and western ends of the building has occurred in this building. In addition, scattered stains are located on the rest of the building floor. An unidentified 2-inch pipe was observed protruding from the ground on the east side of Building 330.

Site inspections conducted by the Department personnel on December 21, 1994 revealed garnet sandblast grit around the perimeter of Building 330. No information was available regarding historical hazardous materials use or handling in the building. No incidents such as fires, mishaps, flooding, or crashes, are documented to have occurred within Building 330.

Building 330 is not equipped with a heating-ventilation-air conditioning (HVAC) system.

Building 343

Building 343 was constructed in approximately 1949 and has been used for storage of abrasive blast material for at least the last ten years. This building is in fair condition. Building 343 is a one-story building constructed of heavy gauge metal with a steel floor and metal roof. The building covers approximately 3,000 square feet.

Utilities located within and immediately surrounding Building 343 include underground sanitary sewer, storm sewer, telephone, water, electrical, and underground electrical lines.

The construction of the building indicates that it may have been used historically for sand blasting operations. This is also consistent with the current storage of blast media in the building.

Building 343 is not equipped with a heating-ventilation-air conditioning (HVAC) system.

Building 344/474

Building 344 was constructed in approximately 1948. Other records identify it as Building 474 and indicate a construction date of 1950. The former use of the building is not known. It is vacant at present except for storage of several pieces of metal working equipment. The building is in fair condition. Building 344 is a one-story building constructed of sheet metal with a concrete floor and corrugated metal roof. The building covers approximately 4,500 square feet.

Utilities located within and immediately surrounding Building 344 include underground sanitary sewer, storm sewer, telephone, water, electrical, and underground electrical lines.

Information collected during the EBS indicates that four aboveground diesel fuel tanks are located outside, adjacent to the building. They are located at the northwest corner, the northeast corner, and along the south and west walls. The tanks were used to fuel diesel furnaces. Staining of soil and/or broken asphalt was observed beneath all four tanks. The building floor is heavily stained and deteriorated. A small empty flammable materials storage cabinet was observed outside the north side of the building.

Building 344 is not equipped with a heating-ventilation-air conditioning (HVAC) system.

Building 472

Building 472 was constructed in approximately 1946. The building is a covered lumber storage rack, which is currently empty. It is a one-story building constructed of corrugated metal with an asphalt floor. The eastern side of the building is open (no wall). The building covers approximately 800 square feet.

Utilities located within and immediately surrounding Building 472 include underground sanitary sewer, storm sewer, telephone, water, electrical, and underground electrical lines.

Building 472 is not equipped with a heating-ventilation-air conditioning (HVAC) system.

Building 475

Building 475 was constructed in approximately 1952. It is a heavy gauge steel building formerly used for bead blasting. The building is in fair

condition. Building 475 is a one-story building and covers approximately 600 square feet. It is attached to Building 344/474.

Utilities located within and immediately surrounding Building 475 include underground sanitary sewer, storm sewer, telephone, water, electrical, and underground electrical lines.

Building 475 is not equipped with a heating-ventilation-air conditioning (HVAC) system.

Building 476

Building 476 was constructed in approximately 1953 and served as a covered paint and paint supplies storage area for Building 477 (Figure 6-18-1). This building is in fair condition. Building 476 is a one-story building constructed of corrugated metal with an asphalt floor and one open side. The building is L-shaped and covers approximately 300 square feet. The building is designed to hold approximately 34 loaded pallets in racks forming bays with space for two pallets each, one above the other. The bays have hinged grates which serve as doors on the open side of the building. All bays are currently empty.

Utilities located within and immediately surrounding Building 476 include underground sanitary sewer, storm sewer, telephone, water, electrical, and underground electrical lines.

A rectangular rust-stained area in front of the building appears to be the floor of a former sheet metal building, which was possibly a smaller former Building 476. The rest of the asphalt-paved area in front of (north and east of) Building 476 is 50 to 70 percent stained with paint and coatings. Minor cracks in the asphalt were also observed.

Building 476 is not equipped with a heating-ventilation-air conditioning (HVAC) system.

Building 477

Building 477 was constructed in approximately 1952 and housed a former paint shop with spray booth, solvent cleaning, and abrasive blasting air quality permits (Figure 6-18-1). This building is in fair condition. Building 477 is a one-story building constructed of sheet metal with a concrete floor. The building covers approximately 3,000 square feet.

Utilities located within and immediately surrounding Building 477 include underground sanitary sewer, storm sewer, telephone, water, electrical, and underground electrical lines.

A paint spray booth with a high volume exhaust venting system is located on the south side of the building. Residual water and paint residue were observed in paint spray booths in the building. A stack rises from an unknown source in the southeastern corner of the building. A relatively large electric pump is located outside of the building adjacent to the stack. Disposal practices for hazardous wastes such as paint thinners and strippers from operations in Building 477 are not known.

Building 477 is not equipped with a heating-ventilation-air conditioning (HVAC) system.

Building 479

Building 479 was constructed in approximately 1985 for temporary storage of hazardous wastes as GAP Site 78. It has metal walls (three), a metal roof, and an asphalt floor. The building covers approximately 200 square feet.

Utilities located within and immediately surrounding Building 479 include underground sanitary sewer, storm sewer, telephone, water, electrical, and underground electrical lines.

There are some scattered stains on the floor of the building. An emergency spill response cabinet is located in the building. The building is not currently used as a GAP site. Active GAP facilities are present on adjacent parcels.

Building 479 is not equipped with a heating-ventilation-air conditioning (HVAC) system.

Building 510

Building 510 was constructed in approximately 1967 and was reportedly used for storage of wood and metal. This building is in fair condition. The northern third of Building 510 is a one-story building constructed of metal with concrete floors. The southern portion of the building consists of four high (15-foot) bays open on the east side with metal walls and roof and an asphalt floor. The building covers a total area of approximately 3,000 square feet. Minor staining was observed in both areas of the building.

Utilities located within and immediately surrounding Building 510 include underground sanitary sewer, storm sewer, telephone, water, electrical, and underground electrical lines.

Building 510 is not equipped with a heating-ventilation-air conditioning (HVAC) system.

Building 604

Building 604 was constructed in approximately 1952 and was used for sandblasting equipment storage. This building is in fair condition. Building 604 is a one-story building constructed of corrugated metal with a concrete floor. The building covers approximately 1,200 square feet.

Utilities located within and immediately surrounding Building 604 include underground sanitary sewer, storm sewer, telephone, water, electrical, and underground electrical lines.

Two air compressors are present in the building. Some staining was observed near the compressors. Abrasive garnet blasting media covers the floor and outside areas of the building. The exact nature of blasting operations conducted in or around the building is not known. Two empty overturned drums, including one labeled "KEROSENE," were observed on the ground outside the building.

Building 604 is not equipped with a heating-ventilation-air conditioning (HVAC) system.

Open Space I

Open Space I is defined as the paved area surrounding the buildings in Parcel 18 and extending south of Building 510 to the southern parcel boundary. This space takes up approximately 75 percent of the total parcel open space. The ground surface of Open Space I is mostly paved with asphalt. The pavement is in fair condition.

Utilities located within and immediately surrounding Open Space I include underground sanitary sewer, storm sewer, telephone, water, electrical, and underground electrical lines.

EBS information indicates that this open space was used for staging equipment. Potential impacts to this area consist of activities already mentioned associated with the parcel's buildings. The western and southern halves of this area have historically been used for staging of equipment and materials, especially during the 1940s and 1950s. In

addition, railroad tracks historically crossed the northern part of the parcel parallel to the estuary approximately at the northern side of Building 344 and in the middle of Building 510. Railroad ties have reportedly been uncovered on the parcel during past construction. Site inspections conducted by the Department personnel on December 21, 1994 revealed garnet sandblast grit around the perimeter of Building 330.

No other incidents such as fires, mishaps, flooding, or crashes, are documented to have occurred within Open Space I.

Open Space II

Open Space II is defined as the unpaved area in the southwest corner of Parcel 18. This space takes up approximately 25 percent of the total parcel open space. The ground surface of Open Space II is covered with weeds, bare soil, and gravel.

Utilities located within and immediately surrounding the Open Space II include underground sanitary sewer, storm sewer, telephone, water, electrical, and underground electrical lines.

EBS information indicates that activities conducted within this open space included equipment and materials storage since the 1940s. Potential impacts to this area are not well known. Possible staining associated with equipment staging is visible in some historical aerial photographs. Records indicate spring and fall pesticide application in 1992-93 on the parcel of Round-Up, Krovar I, and Amizole to control mixed grassy weeds. Historical application of banned pesticides and PCBs may have occurred based on usage of the space as an unpaved staging area since the 1940s.

No incidents such as fires, mishaps, flooding, or crashes, are documented to have occurred within Open Space II. Potential radiological hazards do not appear to be of concern.

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 18 is bounded by Parcels 4, 23, 16, 17, 19, and the Oakland Estuary (IR Site 20). There are no activities of environmental concern

associated with boundaries of these parcels that are likely to affect boundary areas of Parcel 18. If the continuing investigations of the Oakland Estuary reveal a cause for concern at Parcel 18, then additional sampling on Parcel 18 may be appropriate.

RCRA Sites

This subsection identifies the RCRA Site and requirements associated with this site on the parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes one RCRA site, SWMU/GAP 78. The site is located in Building 479 (see previous description); it is adjacent to Building 477. Site inspection information indicated that this GAP site is inactive, although other records list it as active. These records indicate that drums and cans of paint and solvents were accumulated at the site.

This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, the site requires further investigation. The sampling proposed for the site that requires sampling is described in the Target Areas and Compounds of Concern subsection.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 18, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another category. The data gaps shown in Table 6-18-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently ongoing to address the following data gaps: industrial hygiene concerns, transformers, lead-based paint, asbestos, and IR sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines, and sewer lines is discussed in corresponding protocols presented in Section 3.

Although no industrial hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in and around Buildings 330, 343,

TABLE 6-18-2

Summary of Data Gaps
NAS Alameda Parcel 18

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 20 (The Oakland Estuary) is located directly to the north side of Parcel 18. IR 20 is unlikely to have impacted Parcel 18. No additional subsurface investigation relative to IR Site 20 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Zone 3 Target Area 1: Pesticides may have impacted the long-term unpaved areas (currently unpaved).

TABLE 6-18-2

Summary of Data Gaps
NAS Alameda Parcel 18

Data Gap	Status/Description
Potential Parcel-Specific Release Areas	• Target Area 1 (Aboveground Storage Tanks) • Target Area 2 (Perimeters of Buildings 343 and 330) • Target Area 3, Buildings 476, 477, and 479 • Target Area 4 Open Space II • Target Area 5, Perimeter of Building 604 • Target Area 6, Area north of Building 510
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, industrial sewer, electrical, and water lines identified.
- Fuel lines	• Underground fuel lines identified.
- Steam lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• Unidentified two-inch pipe protruding from ground east of Building 330. • Railroad tracks were formerly located on this parcel.

344/474, 475, 476, 477, 510, and 604. These concerns will be addressed as part of the one-time compliance program.

As noted earlier, Parcel 18 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no parcel-specific pesticide sampling in landscaped and unpaved areas is being addressed as a zone-wide issue for parcels in Zone 3.

Once the data gaps in Table 6-18-2 are addressed and screening-level sampling results from the target areas described below are compared to PRGs, Parcel 18 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains four parcel-specific target areas and is also contained in a zone-wide target area. This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 3. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following six parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-18-2.

- Target Area 1 (Aboveground Storage Tanks): The soil (beneath the pavement) under the aboveground diesel fuel storage tanks on the east and west ends of the Building 330 and the aboveground diesel fuel storage tanks on the north, east, south, and west sides of the Building 344/474, may have been impacted by spillage or leakage of diesel fuel from the tanks. Each of these target areas covers approximately 20 square feet and has suspect likelihood of subsurface impacts indicated by the presence of staining. Samples to be collected in these target areas are listed in Table 6-18-1.

- Target Area 2 (Perimeters of Buildings 343 and 330): Abrasive blasting residues in and around this building may contain elevated levels of metals from removed paint and metal scale incorporated during blasting operations. Used blasting media on surrounding pavement and/or soil will be sampled as if it were surface soil. The target area covers the entire perimeter of the building (6,000 square feet) and has suspect likelihood of impacts.

- Target Area 3, Buildings 476, 477, and 479: The area in and around Buildings 476, 477, and 479 may have been impacted by spills or leakage of VOCs in paint and solvents. Dioxins may have been released from the stack in the southeast corner of Building 477. This target area covers approximately 5,000 square feet and has suspect likelihood of impacts.

- Target Area 4 Open Space II: Based on staining observed in historical aerial photographs, the soil in this unpaved former staging area may have been impacted by releases of TPH, SVOCs, and metals from stored vehicles and equipment.

- Target Area 5, Perimeter of Building 604: Based on a site inspection conducted in December 1994, the soil in this area may have been impacted by spills of garnet sandblast grit.

- Target Area 6, Area north of Building 510: Based on a site inspection conducted in December 1994, the soil in this area may have been impacted by spills of garnet sandblast grit.

The following zone-wide target area was identified on Parcel 18 based on possible impacts from activities described above involving potentially hazardous substances.

- Zone 3 Target Area 1 (Landscaped and Long-Term Unpaved Areas): This target area includes all landscaped and current/former unpaved areas within Zone 3. Landscaped and unpaved areas maintained since approximately 1940 may have been impacted by pesticide residues. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. This target area is classified as having potential likelihood of impacts. Four of the twenty-six proposed zone-wide surface soil samples for pesticides are located in Parcel 18. The samples were located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area. Samples that are located on Parcel 18 are listed on Table 6-18-1.

Screening-Level Investigation

Two screening-level techniques will be employed to assess conditions in target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface GeoProbe soil sampling (SOP 14). Table 6-18-1 summarizes screening-level sampling and analyses recommended for the parcel's target areas. Twenty-three parcel-specific surface soil, three parcel-specific GeoProbe, and four zone-wide surface soil samples will be collected from the locations shown on Figure 6-18-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4. Sampling associated with former railroad tracks will not be conducted because their former location is not known well enough to sample effectively.

Industrial hygiene issues are potential concerns in most site buildings particularly media blasting facilities (Buildings 330, 343, 475, and 604). Inspection of parcel buildings by an industrial hygienist is advised prior to lease or transfer of the property. These inspections may include sampling. Samples of used blasting media may be collected from floors, shelves, ground, and other areas where it has accumulated in and around former blasting facilities. Samples should represent the variety of media present.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor (SOP 6) sampling, HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-19

PARCEL 19 EVALUATION PLAN

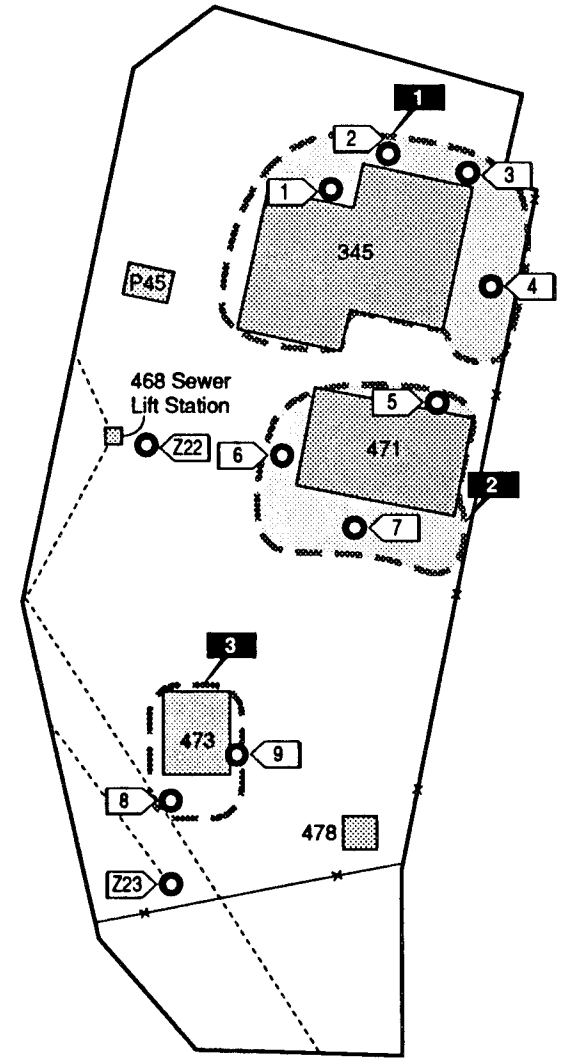
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 19 at NAS Alameda (Figure 6-19-1). The parcel, which is located in the northern portion of the base, is approximately one acre in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA sites. Tank 473-1 has been identified in the Part B Permit as requiring a RCRA Facility Investigation (RFI). Three parcel-specific and one zone-wide target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling. Table 6-19-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 19, historical activities are discussed below.

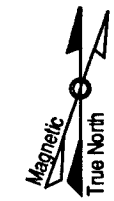
Background and Historical Activities

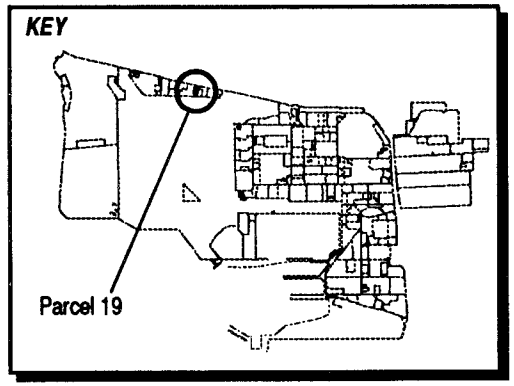
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 19, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies the Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 4, 9, 10, 11, 14, 15, 16, 17, 18, 20, 21, and 22. This parcel zone has been designated the Northwestern Construction and Maintenance Zone (Zone 3). The zone encompasses the parcels north of the runway that have historically contained shops and storage areas associated with a variety







LEGEND

- Target Areas 1-4
- Sewer Line
- Surface Soil Sample Location

Note: Parcel Boundaries are Approximate

1"= 60'

Figure 6-19-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.11/DS/07.18.94

TABLE 6-19-1

Summary of Recommended Samples

NAS Alameda Parcel 19

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
19-1-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Metals, TPH	Metals, TPH	XRF, Test Kit
19-2-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Metals, TPH	Metals, TPH	XRF, Test Kit
19-3-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Metals, TPH	Metals, TPH	XRF, Test Kit
19-3-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 1	Metals, TPH	Metals, TPH	CLP RAS, Modified EPA
19-4-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Metals, TPH	Metals, TPH	XRF, Test Kit
19-5-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	Metals	Metals	XRF
19-6-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	Metals	Metals	XRF
19-7-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	Metals	Metals	XRF
19-7-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 2	Metals	Metals	CLP RAS
19-8-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	Metals, TPH	Metals, TPH	XRF, Test Kit
19-9-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	Metals, TPH	Metals, TPH	XRF, Test Kit
19-9-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 3	Metals, TPH	Metals, TPH	CLP RAS, Modified EPA 8015
Z3-22-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-23-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS

* These are the suggested locations for analytical laboratory confirmation samples. The actual locations will depend on field analytical results.

of activities including construction, maintenance, aircraft refueling, and fire training. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 3.

Filling began in the area covered by this parcel in the early 1900s. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, five buildings (Buildings P45, 345, 471, 473, and 478) and two structures (an above ground storage tank and Sewer Lift Station 468/Pump Station 10) cover approximately 20 percent of the parcel. The remainder of the parcel is open space. In the past, the parcel was used for fabrication and maintenance of aircraft ground support equipment. The parcel is presently vacant, except for limited storage of maintenance equipment. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-19-1.

Parcel 19 is located approximately 200 feet south of Installation Restoration (IR) Program Site 20, the Oakland Estuary, and approximately 200 feet east of IR Site 15 (Parcel 22). Soil at IR Site 15 has been impacted by PCBs and lead. A surface soil removal project at the parcel is scheduled for September 1994.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 345

Building 345 was constructed in 1947 and housed plant services operations for aircraft overhaul (Figure 6-19-1). This building is in poor condition. Building 345 is a one-story building constructed of metal walls with a concrete floor, and covers approximately 4,000 square feet. Utilities located within and immediately surrounding Building 345 include underground sanitary sewer, storm sewer, telephone, water, electrical, and underground electrical lines.

Information collected during the EBS indicates that activities historically conducted within this building included welding and

sandblasting operations. One diesel aboveground storage tank (AST) is located at the northeastern end of the building. Heavy staining was observed underneath and adjacent to the AST. A diesel AST was removed from the northwestern end of the building. The date of removal is not known. An area of apparent diesel-stained soil was observed on the west side of the building.

Site inspection data indicates that undocumented spills have occurred at the northern end and inside of Building 345. These spills appear to have involved moderate quantities of diesel fuel. The staining covers an area measuring approximately 10 by 20 feet. Building 345 is not equipped with a heating-ventilation-air conditioning (HVAC) system.

Building 471

Building 471 was constructed in 1946 and housed plant services operations for aircraft overhaul (Figure 6-19-1). This building is in poor condition. Building 471 is a one-story building constructed of wood with a concrete floor, and covers approximately 2,300 square feet. Utilities located within and immediately surrounding Building 471 include underground sanitary sewer, storm sewer, telephone, water, electrical, and underground electrical lines.

Information collected during the EBS indicates that activities conducted within this building included welding, sandblasting, and painting operations. Outside the southern border of the building are areas of white and gray stained sand measuring ten by ten feet. Small pieces of decayed wood are present in this area, indicating possible former pallet or lumber storage. Building 471 is not equipped with a HVAC system.

Building 473

Building 473 was constructed in 1948 and housed plant services operations for aircraft overhaul (Figure 6-19-1). This building is in poor condition. Building 473 is a one-story building constructed of sheet metal with an asphalt floor, and covers approximately 550 square feet. Utilities located within and immediately surrounding Building 473 include underground sanitary sewer, storm sewer, telephone, water, electrical, and underground electrical lines.

Information collected during the EBS indicates that activities conducted within this building included shearing (from a large metal shearing machine). Welding operations were also conducted in the building. Review of site inspection data indicates that an

undocumented oil spill occurred directly outside the southern end of the building. The spill was not cleaned up. The apparent source was a large power shear that was moved outside of the building and washed down in 1992. The remaining stain covers an area measuring approximately 6 by 6 feet. Building 473 is not equipped with a HVAC system.

Building 478

Building 478 was constructed in 1951 and was used for storage of small mechanical equipment (Figure 6-19-1). This building is in poor condition. Building 469 is a one-story shed, is constructed of metal walls and roof directly on the ground surface, and covers approximately 70 square feet. Utilities located surrounding Building 478 include underground sanitary sewer, storm sewer, telephone, water, electrical, and underground electrical lines.

Information collected during the EBS indicates that this building housed a saw. Review of aerial photographs and site inspection data does not indicate that spills have occurred at building 478. Building 478 is not equipped with a HVAC system.

Building P45

Building P45 was used to house a small metal shear machine (Figure 6 19-1). The date of construction is unknown. This building is in poor condition. Building P45 is a small one-story metal shed that covers approximately 20 square feet. Utilities located surrounding Building P45 include underground sanitary sewer, storm sewer, telephone, water, electrical, and underground electrical lines.

The EBS did not provide information concerning activities conducted within this building. Review of aerial photographs and site inspection data does not indicate that spills have occurred at Building P45. Building P45 is not equipped with a HVAC system.

Structure 468

Structure 468 serves as a Sewage Pumping Station (Figure 6-19-1) operating at a pumping rate of approximately 150 gallons per minute. The date of construction is not known. This structure is in fair condition. Structure 468 is a six by three foot diameter metal housing (with a lid) for the pump station. The control box is located on the southwestern side of Building 471. Utilities surrounding Structure 468

include underground sanitary sewer, storm sewer, telephone, water, electrical, and underground electrical lines.

Open Space

The open space covers approximately 80 percent of the parcel. The open space has been used for parking and storage of maintenance equipment. The ground surface of the open space is 40 percent paved and 60 percent unpaved. Approximately 80 percent of the paved area is surfaced with asphalt and 20 percent is covered with concrete. The pavement is generally in poor condition. The unpaved areas of the open space are covered with 30 % gravel and 70 % bare soil.

Structures located within the open space include two metal sheds, one 2,500-gallon gasoline UST (UST 473-1) and one 100-gallon diesel AST. The sheds and AST were discussed above. Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, telephone, water, and electrical lines.

EBS information indicates that this open space was used for the manufacture of aircraft maintenance equipment, which included sandblasting and metal working operations. Areas of garnet sandblasting grit were observed adjacent to Building 471. A storm water drain is located east of the sewage pump station, Structure 468. A second storm drain is located south of Building 473.

Site inspection data indicates that undocumented spills may have occurred at several locations throughout the parcel. These spills appear to consist of moderate quantities of petroleum hydrocarbons or paint. Scattered areas of rust-colored soils containing paint chips and debris were observed on the ground surface in the open space. No other incidents (i.e. fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

One abandoned underground storage tank (UST) exists at this parcel. Tank 473-1 was installed in 1948 and is located south of Building 473, adjacent to the fence Tank 473-1 was likely used to store diesel fuel and has a capacity of 250 gallons. This tank is a single walled and unlined steel tank with no leak detection system. It is not known if this tank has corrosion protection. The presence of this tank was identified in the NAS Alameda RCRA Facility Assessment. This tank was emptied on November 20, 1989. A UST investigation was performed on Tank 473-1 in October 1988. Two soil borings were

drilled and subsurface soil samples were collected at depths of 4.5 to 5.0 feet. Analytical results indicated the presence of low levels of benzene, toluene, ethylbenzene and xylene (BTEX).

Parcel Boundary Conditions

Parcel 19 is bounded by Parcels 18, 4, 20, 21, and 23. Activities of concern on these adjacent parcels include small diesel storage tanks on Parcel 18. No parcels contiguous with Parcel 19 are IR sites. No sampling is called for in this PEP in response to the nearby IR sites. If the continuing investigations at the nearby IR sites reveal a cause for concern at Parcel 19, then additional sampling on Parcel 19 may be appropriate. Railroad tracks formerly paralleled the northern border of Parcel 19.

RCRA Sites

This subsection identifies the RCRA Site and requirements associated with this site on the parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes one RCRA site (Tank 473-1). This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, this RCRA site does not require further investigation. In addition, this site is listed in the RCRA Part B Permit and must be investigated as part of the RCRA Facility Investigation (RFI) for NAS Alameda. The requirements for the RFI are described in detail in Section 10. A brief description of the RCRA site is provided below.

Tank 473-1 is located south of Building 473, adjacent to the fence, and has had no known releases. The chemicals of concern associated with this site include diesel fuel. This site is currently inactive. This UST will be removed and investigated under the UST program which will meet the requirements of the RFA.

This tank was identified as a RCRA tank based on its past use and contents. A description of the tank and the results of the October 1988 UST investigation performed on this tank are provided in the Underground Storage Tank subsection above.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 19, consistent with the objectives described in Section 1 of the

Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another category. The data gaps shown in Table 6-19-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently ongoing to address the following data gaps: transformers, lead-based paint, industrial hygiene concerns, radiological concerns, asbestos, underground storage tanks, and IR sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewer lines is discussed in corresponding protocols presented in Section 3.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Buildings P45, 345, 471, 473, and 478. The one-time compliance program will determine whether further sampling or cleanup measures are required within these buildings before transfer or lease can occur.

As noted earlier, Parcel 19 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no parcel-specific pesticide sampling in landscaped and unpaved areas is being addressed as a zone-wide issue for parcels in Zone 3.

Once the data gaps in Table 6-19-2 are addressed and screening-level sampling results from the target areas described below are compared to PRGs, Parcel 19 may be reclassified from BRAC category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains three parcel-specific target areas and is also contained in a zone-wide target area. This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 3. The nature

and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following three parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-19-2.

- Target Area 1 (Building 345): The areas adjacent to Building 345 may have been impacted by metals from welding and sandblasting activities. This target area covers approximately 4,500 square feet and has been classified as having a probable likelihood of impacts. Samples to be collected in this target area are listed in Table 6-19-1.

- Target Area 2 (Building 471): The soils adjacent to Building 471 may have been impacted by welding and sandblasting operations conducted in the building. This target area covers approximately 2,500 square feet and has been classified as having a probable likelihood of impacts. Samples to be collected in this target area are listed in Table 6-19-1.

- Target Area 3 (Building 473): The soils adjacent to Building 473 may have been impacted by releases of petroleum hydrocarbons or metals. This target area covers approximately 800 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-19-1.

The following zone-wide target area was identified on Parcel 19 based on possible impacts from activities described above involving potentially hazardous substances.

- Zone 3 Target Area 1 (Landscaped and Long-Term Unpaved Areas): This target area includes all landscaped and current/former unpaved areas within Zone 3. Landscaped and unpaved areas maintained since approximately 1940 may have been impacted by pesticide residues. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. This target area is classified as having potential likelihood of impacts. Two of the twenty-six proposed zone-wide surface soil samples for pesticides are located in Parcel 19. The samples were located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area. Samples that are located on Parcel 19 are listed on Table 6-19-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level technique that will be employed to assess conditions in target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-19-1 summarizes screening-level sampling and analysis recommended for the parcel's target areas. Nine parcel-specific surface soil samples and two zone-wide surface soil sample will be collected from the locations shown on Figure 6-19-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4. Sampling associated with former railroad tracks will not be conducted because their former location is not known well enough to sample effectively.

The sampling locations shown on Figure 6-19-1 are approximate. Additional notes on sampling in each target area follow:

- Target Area 1: Soil-like and surface soil samples will be collected from areas of diesel fuel staining and sandblasting grit accumulation outside of the building.
- Target Area 2: Surface soil samples will be collected from suspected areas of sandblasting activities outside of the building.
- Target Area 3: Surface soil samples will be collected adjacent to the metal shearer located on the south side of Building 473.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface GeoProbe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-20

PARCEL 20 EVALUATION PLAN

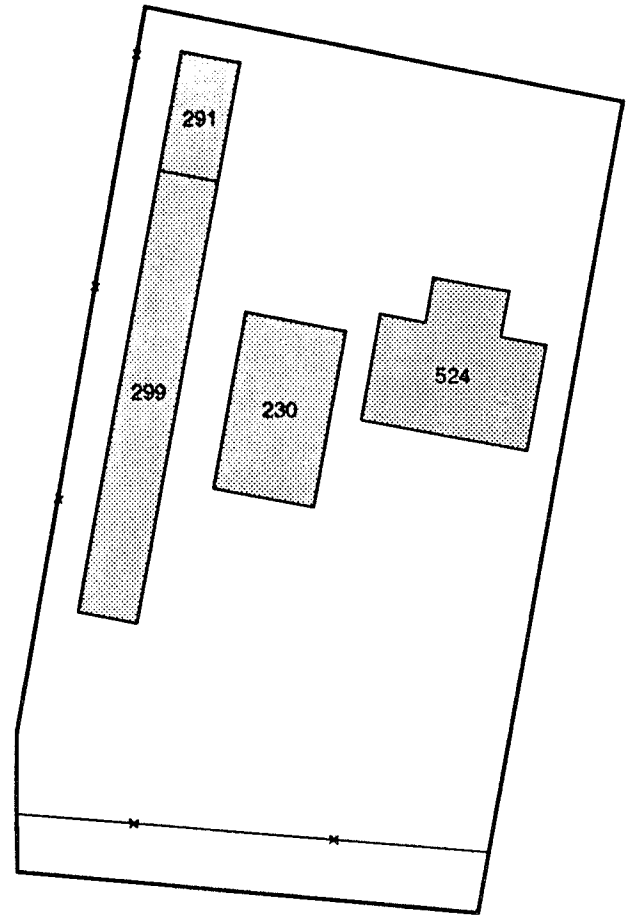
This Parcel-specific Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 20 at NAS Alameda (Figure 6-20-1). The parcel, which is located in the northwestern portion of the base, is one acre in size and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA Sites are located at this parcel. No parcel-specific and one zone-wide target investigation areas (target areas) have been identified on this parcel. No zone-wide target investigation samples are located on this parcel. This parcel-specific evaluation plan has been developed in accordance with the Preliminary Endangerment Assessment requirements. Historical activities for Parcel 20 are discussed below.

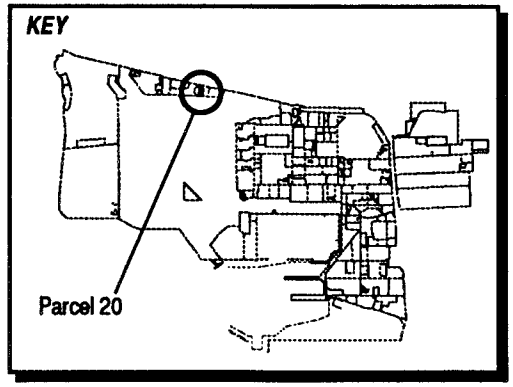
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 20, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies the Installation Restoration Program Sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 4, 9, 10, 11, 14, 15, 16, 17, 18, 19, 21, and 22. This parcel zone has been designated the Northwestern Construction and Maintenance Zone (Zone 3). The zone encompasses the parcels north of the runway that have historically contained shops and storage areas associated with a variety of activities including construction, maintenance, aircraft refueling, and fire training. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the





Note: No screening-level sampling has been proposed for this parcel.

1"= 60'

Figure 6-20-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7/94
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entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 3.

Filling began in the area covered by this parcel in the early 1900s. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, four buildings (291, 299, 230, and 524) cover approximately 15 percent of the parcel. The remainder of the parcel (85 percent) is open space. The buildings on Parcel 20 are currently used by a Marine construction battalion (CBU-416) for offices, shops, and storage. The open space has been used for staging of equipment and materials since the 1940s. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-20-1.

Parcel 20 is located approximately 250 feet east and 130 feet south of Installation Restoration (IR) Program Sites IR 15 (the western two-thirds of Parcel 22) and IR 20, (the Oakland Estuary), respectively. No previous investigations have been conducted at Parcel 20, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 291

Building 291 was constructed in approximately 1944 and has historically been used as a general storage warehouse (Figure 6-20-1). The building has been used as a training classroom since approximately 1981. The building is in fair condition. Building 291 is a one-story building constructed of wood with stucco interior walls, a metal roof, a concrete floor and covers approximately 1,000 square feet.

Utilities located within and immediately surrounding Building 291 include underground sanitary sewer, storm sewer, telephone, water, electrical, and industrial sewer lines.

No hazardous materials or wastes were observed to be stored in and around the building during the site inspection. No specific

information was available on historical hazardous materials use or handling in the building.

Building 299

Building 299 was constructed in approximately 1946 and has historically been used for utility system storage. Currently, the building houses a game room, electrical shop, and offices. Building 299 is constructed of wood with a metal roof and concrete floor. The building is in fair condition and covers approximately 1,600 square feet.

Utilities located within and immediately surrounding Building 299 include underground sanitary sewer, storm sewer, telephone, water, electrical, and industrial sewer lines.

No hazardous materials or wastes were observed to be stored in and around the building during the site inspection. No specific information was available on historical hazardous materials use or handling in the building.

Building 230

Building 230 was constructed in approximately 1971 and has historically been used as a supply warehouse. The building is currently listed on base records as a "construction/WT handling equipment shop." Building 230 is a Quonset hut constructed of metal with a concrete floor. The building is in fair condition and covers approximately 1,700 square feet.

Utilities surrounding Building 230 include storm sewer and electrical lines.

No hazardous materials or wastes were observed to be stored in and around the building during the site inspection. No specific information was available on historical hazardous materials use or handling in the building. Building 230 is not equipped with a heating-ventilation-air conditioning (HVAC) system.

Building 524

Building 524 was constructed in approximately 1970 and has been used for administrative offices. Building 524 is a Quonset hut constructed of metal with a concrete floor. The building is generally in fair condition and covers approximately 1,700 square feet.

Utilities surrounding Building 524 include storm sewer, water, telephone and electrical lines.

No hazardous materials or wastes were observed to be stored in and around the building during the site inspection. No specific information was available on historical hazardous materials use or handling in the building. Building 524 is not equipped with a heating-ventilation-air conditioning (HVAC) system.

Open Space

The open space covers approximately 85 percent of the total parcel space (approximately 36,000 square feet). The ground surface of the open space is mostly paved with asphalt for vehicle parking except for a 20-foot by 50-foot grass volleyball court near Building 524. The asphalt pavement is in fair condition.

Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, telephone, water, and electrical lines.

An electrical transformer is located west of Building 291. Railroad tracks historically crossed the central part of the parcel parallel to the estuary approximately near the southern end of Building 291. Railroad ties have reportedly been uncovered in the vicinity of the parcel during past construction.

No other incidents (i.e. fires, mishaps, flooding, etc.) are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 20 is bounded by Parcels 19, 21, and 23 to the west, northeast, and south, respectively. There are no activities of environmental concern associated with the boundaries of these parcels that are likely to affect boundary areas of Parcel 20.

No parcels contiguous with Parcel 20 are IR sites, therefore, no sampling is called for in this PEP in response to any nearby IR site. If the continuing investigations at nearby IR sites reveals a cause for concern at Parcel 20, then sampling on Parcel 20 may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 20, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another category. The data gaps shown in Table 6-20-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently ongoing to address the following data gaps: transformers, lead-based paint, asbestos, and IR sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in corresponding protocols presented in Section 3. No industrial hygiene (IH) sampling is required for Parcel 20 because no industrial buildings are present.

As noted earlier, Parcel 20 has a small open space area that is landscaped. Based on current EPA/Cal-EPA policy, landscaped areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no parcel-specific pesticide sampling has been proposed for Parcel 20. Pesticide sampling in landscaped and unpaved areas is being addressed as a zone-wide issue for parcels in Zone 3.

Once the data gaps in Table 6-20-1 are addressed and screening-level sampling results from the target areas described below are compared to PRGs, Parcel 20 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-20-1

Summary of Data Gaps
NAS Alameda Parcel 20

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 50.
Installation Restoration (IR) Sites	• IR Sites 15 (located in Parcel 22) and IR 20 are located 250 feet west and 130 feet north of Parcel 20, respectively.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Zone 3 Target Area 1: Pesticides may have impacted the long-term unpaved areas (currently unpaved).
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Fuel lines	• No underground or aboveground fuel lines identified.

TABLE 6-20-1

Summary of Data Gaps
NAS Alameda Parcel 20

Data Gap	Status/Description
- Steam lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• Former railroad tracks identified.

Target Areas and Compounds of Concern

This parcel contains no parcel-specific target areas. Although this parcel is contained in a zone-wide target area, no zone-wide target area samples are proposed for this parcel.

The following zone-wide target area was identified on Parcel 20 based on possible impacts from activities described above involving potentially hazardous substances.

- Zone 3 Target Area 1 (Landscaped and Long-Term Unpaved Areas): This target area includes all landscaped and current/former unpaved areas within Zone 3. Landscaped and unpaved areas maintained since approximately 1940 may have been impacted by pesticide residues. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. This target area is classified as having potential likelihood of impacts. None of the twenty-six proposed zone-wide surface soil samples for pesticides are located in Parcel 20.

Screening-Level Investigation

No screening level sampling methods will be employed to assess conditions in the target area. Sampling associated with former railroad tracks will not be conducted because their former location is not known well enough to sample effectively.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: surface soil sampling (SOP 3), soil vapor sampling (SOP 6), subsurface GeoProbe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-21

PARCEL 21 EVALUATION PLAN

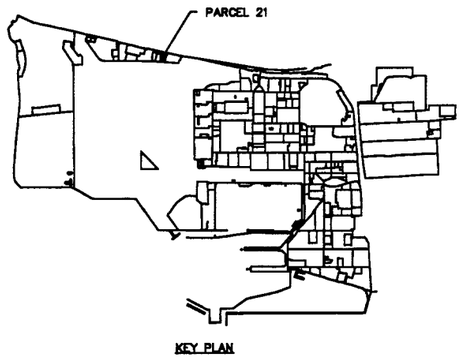
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 21 at NAS Alameda (Figure 6-21-1). The parcel, which is located in the northern portion of the base, is 1.6 acres in size and is roughly L-shaped. The parcel has been classified as requiring a high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One zone-wide and one parcel-specific target investigation area (target area) has been identified on this parcel. Surface soil sampling is the procedures called for in the screening-level investigation for these areas. Table 6-21-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 21, historical activities are discussed below.

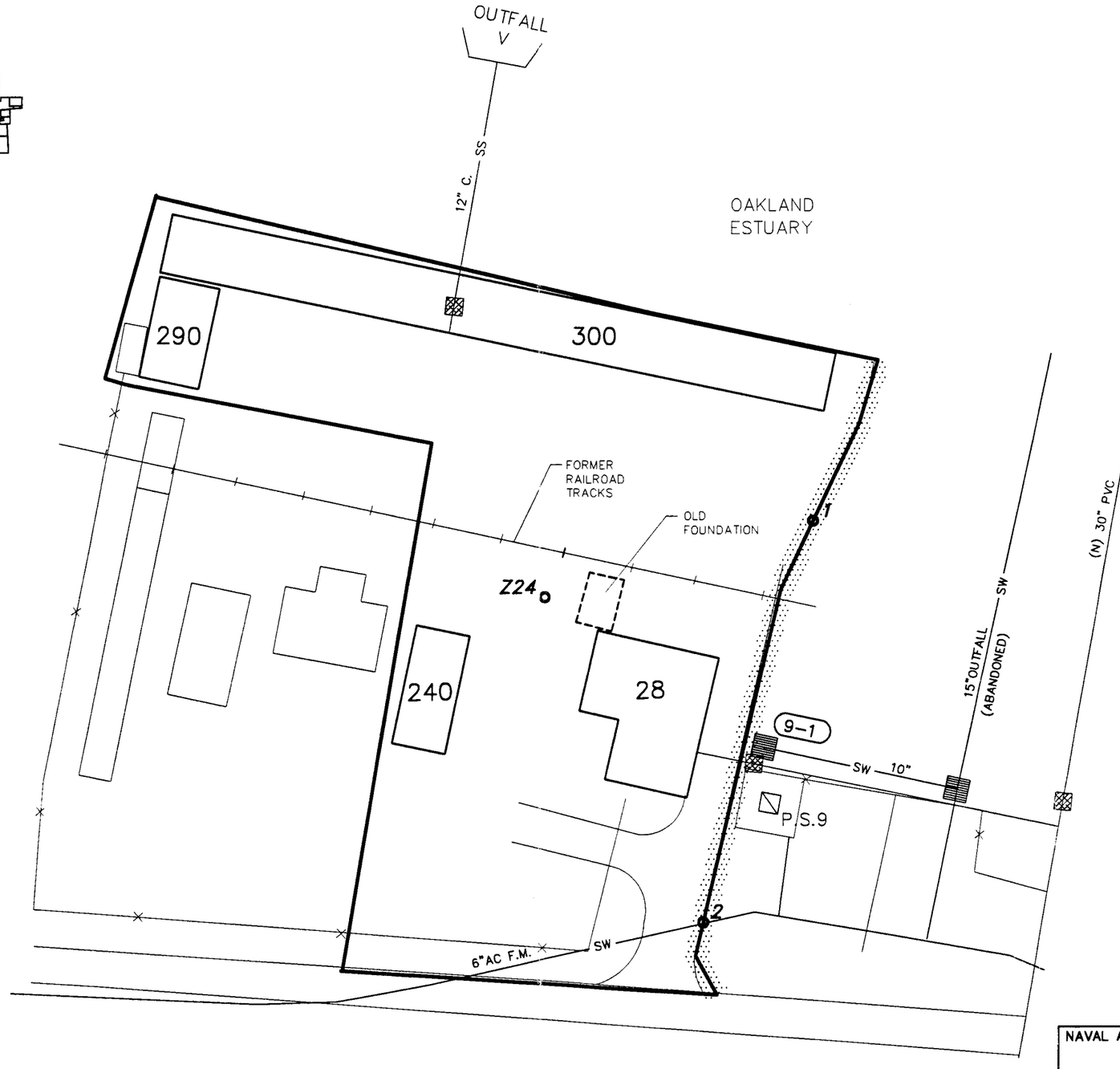
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 21, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 4, 9, 10, 11, 14, 15, 16, 17, 18, 19, 20, and 22. This parcel zone has been designated the Northwestern Construction and Maintenance Zone (Zone 3). The zone encompasses the parcels north of the runway that have historically contained shops and storage areas associated with a variety of activities including construction, maintenance, aircraft refueling, and fire training. During the sampling program development, the parcels located in this





GENERAL LEGEND

- PARCEL OUTLINE
- 2 ○ SURFACE SOIL SAMPLE & No.
- (1) TARGET AREA & No.

SANITARY SEWER LEGEND

- (9-1) ■ SANITARY SEWER MANHOLE (MH No.)
- —SW— SANITARY SEWER LINE
- P.S.9 PUMP STATION & No.

MATERIALS:

A.C. – ASBESTOS CEMENT
F.M. – FORCED MAIN

NOTES:

1. ALL SANITARY SEWERS ARE VITRIFIED CLAY PIPE UNLESS NOTED OTHERWISE.

STORM DRAIN LEGEND

- ▨ CATCH BASIN
- —SS— STORM SEWER LINE

MATERIALS:

CI – CAST IRON

SCALE IN FEET

60 0 60 120 180

1" = 60'

NAVAL AIR STATION, ALAMEDA

FIGURE 6-21-1
PARCEL 21
PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO.	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS:
19590021.DWG	PWC 17,629 (STORM DRAINS) PWC 108,728 (SANITARY SEWER) PWC 23,997 (INDUSTRIAL WASTES) HISTORIC DWGS IN EBS DATABASE (FUEL LINES)
SCALE AS NOTED	DATE: 2.10.95/2121.96.45 — SHEET 1 OF 1

TABLE 6-2
Summary of Recommended Samples
NAS Alameda Parcel 21

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
21-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lead, PCBs	Lead, PCBs	XRF, Test Kit
21-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lead, PCBs	Lead, PCBs	XRF, Test Kit
21-2-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Lead, PCBs	Lead, PCBs	CLP RAS
Z3-24-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS

*This is the suggested location for the confirmation sample. The actual location will depend on field analytical results.

zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 3.

Filling associated with the railroad tracks and ferry terminal formerly located along the northern edge of the current NAS Alameda runway area (including part of Parcel 21) began in the early 1900s. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundaries was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, four buildings (Buildings 290, 300, 240, and 28) cover approximately 20 percent of Parcel 21. The remaining 80 percent is open space. Most of the buildings on Parcel 21 were historically used as shops or warehouses. Open space has been used for staging of equipment and materials since the 1940s. Sewer lines are present on this parcel and are shown on Figure 6-21-1.

Parcel 21 is bordered by two Installation Restoration (IR) Program sites. IR Site 20 (Oakland Estuary) borders Parcel 21 to the north. IR Site 15 (Buildings 301 and 389 Storage Area) is located on Parcel 22, approximately 300 feet east of Parcel 21. IR Site 15 has been impacted by PCBs and lead. No previous investigations have been conducted at Parcel 21 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within the parcel open space and buildings are described in detail below.

Building 290

Building 290 was constructed in approximately 1944 and historically was an electrical shop (Figure 6-21-1). Currently, the building is used for locker rooms and offices. Building 290 is constructed of wood with stucco interior walls, a metal roof, and a concrete floor. The building is generally in fair condition and covers approximately 1,000 square feet.

No hazardous materials or wastes were observed to be stored in or around the building during the site inspection. No specific information

was available on historical hazardous materials use or handling in the building.

Building 300

Building 300 was constructed in approximately 1946. Currently, the building houses a tool room, dry storage warehouse, and weight room. Building 300 is constructed of wood with a metal roof and a concrete floor. The building is generally in fair condition and covers approximately 6,800 square feet.

Scattered stains on the building floor were observed during the site inspection. An approximately 12-foot by 12-foot stain was observed on the floor adjacent to a compressor storage area. Two gasoline containers (less than 50 gallons total volume) and several oxygen and acetylene compressed gas cylinders were observed to be stored in the building during the site inspection. No specific information was available on historical hazardous materials use or handling in the building.

Building 240

Building 240 was constructed in approximately 1971. Currently, the building is used as a carpentry shop. Building 240 is a Quonset hut constructed of metal with a concrete floor. The building is generally in fair condition and covers approximately 1,700 square feet.

Several small containers of glues and waxes were observed to be stored in a flammable materials storage cabinet inside the building during the site inspection. No specific information was available on historical hazardous materials use or handling in the building.

Building 28

Building 28 was constructed in approximately 1970. Currently, the building is used as a steel shop. Activities conducted in the building include welding and metal cutting and grinding. Building 28 is constructed of metal with a metal roof and a painted concrete floor. The building is generally in fair condition and covers approximately 3,000 square feet.

Scattered stains of machine oil were observed on the building floor during the site inspection. In addition, several 5-gallon containers of cutting oil were observed to be stored on the building floor. Several oxygen and acetylene compressed gas cylinders mounted on portable carts were also observed. Used cutting oil is reportedly disposed of by the

NAS Alameda hazardous materials department. Specific information was not available on historical hazardous materials use or handling in the building. The foundation of a former building is located at the northwest corner of Building 28. The former use of this building is unknown.

Open Space

Open space is defined as the paved area surrounding the parcel buildings and extending to the parcel boundaries. This space covers approximately 80 percent of Parcel 21 and is utilized for vehicle parking and material storage. The ground surface of the open space is 90 percent paved with asphalt with intermittent patches of bare soil. The asphalt is generally in fair condition.

Potential impacts to this area consist of activities already mentioned associated with the parcel buildings. In addition, there is a chemical storage locker located in the northeast corner of the parcel. The locker stores small containers of diesel fuel (less than 50 gallons total volume) and cans of latex paint (less than 25 gallons total volume). Several acetylene compressed gas cylinders are stored outside next to the locker. Three pad-mounted transformers are located approximately 15 feet north of Building 240. Railroad tracks historically crossed the northern part of the parcel parallel to the estuary approximately along the northern end of Building 28. Railroad ties have reportedly been uncovered in the vicinity of the parcel during past construction.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 21 is bounded by Parcels 4, 19, 20, 22, and 23 to the west, southwest, southwest, east, and south, respectively. Mounds of excavated soil and 55-gallon drums generated from an investigation previously conducted on Parcel 22 are located on Parcel 22 near the eastern boundary of Parcel 21. PCB and lead contamination from Parcel 22 may potentially affect Parcel 21. IR Site 20 (the Oakland Estuary) borders the parcel to the north. Impacted sediments have been identified in this area; however, migration of compounds of concern onto Parcel 21 is not probable.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 21, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-21-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

Although no industrial hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 299. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

As noted earlier, Parcel 21 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., unpaved areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling has been addressed as a zone-wide issue for the parcels located in Zone 3.

Once the data gaps in Table 6-21-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 21 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-21-2

Summary of Data Gaps
NAS Alameda Parcel 21

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 15 (Buildings 301 and 389 Storage Area) is located approximately 300 feet east of Parcel 21. Remediation activities are planned for 1994 at IR Site 15. • IR Site 20 (Oakland Estuary) border Parcel 21 to the north. IR Site 20 is unlikely to have impacted Parcel 21.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Zone 3 Target Area 1: Pesticides may have impacted the long-term unpaved areas (currently unpaved).
Potential Parcel-Specific Release Areas	• Target Area 1 (Open Space, Eastern Boundary): Soils along the eastern boundary of Parcel 21 may have been impacted by PCBs and lead from Parcel 22.

TABLE 6-21-2

Summary of Data Gaps
NAS Alameda Parcel 21

Data Gap	Status/Description
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Fuel lines	• No underground or aboveground fuel lines identified.
- Steam lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• Railroad tracks formerly existed in this parcel.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target areas. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 3. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following parcel-specific target area was identified based on the potential release areas described above and listed in Table 6-21-2.

- Target Area 1 (Open Space, Eastern Boundary): Soils along the eastern boundary of Parcel 21 may have been impacted by PCBs and lead from Parcel 22. This target area covers approximately 2,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-21-1.

The following zone-wide target area was identified on Parcel 21 based on possible impacts from activities described above involving potentially hazardous substances.

- Zone 3 Target Area 1 (Landscaped and Long-Term Unpaved Areas): This target area includes all landscaped and current/former unpaved areas within Zone 3. Landscaped and unpaved areas maintained since approximately 1940 may have been impacted by pesticide residues. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. This target area is classified as having potential likelihood of impacts. Four of the twenty-six proposed zone-wide surface soil samples for pesticides are located in Parcel 21. The samples were located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area. Samples that are located on Parcel 21 are listed on Table 6-21-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) will be employed to assess conditions in the target areas and to identify whether further sampling in the follow-up detailed evaluation phase is necessary. Two parcel-specific and one zone-wide surface soil sample will be collected from the locations shown

on Figure 6-21-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

The surface soil sampling locations shown on Figure 6-21-1 are approximate. Samples should be collected from visibly stained soil areas, if appropriate. Two surface soil samples should be collected from Target Area 1 at locations judged to have the greatest potential to be impacted by PCBs or lead from Parcel 22 and IR Site 15 (i.e., potential observed surface water runoff pathways from Parcel 22). Sampling associated with former railroad tracks will not be conducted because their former location is not known well enough to sample effectively.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sample (SOP 6), subsurface GeoProbe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-22

PARCEL 22 EVALUATION PLAN

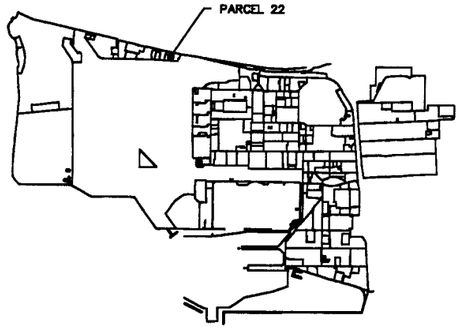
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 22 at NAS Alameda (Figure 6-22-1). The parcel, which is located in the northern portion of the base, is approximately three acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. The eastern two-thirds of Parcel 22 is Installation Restoration (IR) Program Site 15, which is currently being investigated. Remediation of soils at IR Site 15 contaminated with PCBs and lead is scheduled for September 1994. Parcel 22 could not be accessed for site inspection because of the investigation activities currently being conducted. No parcel-specific and one zone-wide target investigation area (target area) were identified at this parcel. Surface soil sampling will be used to accomplish the screening-level investigation. Table 6-22-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 22, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 22, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies an Installation Restoration Program site and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 4, 9, 10, 11, 14, 15, 16, 17, 18, 19, 20, and 21. This parcel zone has been designated the



KEY PLAN

GENERAL LEGEND

PARCEL OUTLINE

Z13 SURFACE SOIL SAMPLE LOCATION

(1) TARGET AREA AND NUMBER

FUEL LINE LEGEND

FUEL LINES IN USE

SANITARY SEWER LINE LEGEND

9-1 SANITARY SEWER MANHOLE & No.

VENTURI METER

VALVE

SW SANITARY SEWER LINE

MATERIALS:

C.I. – CAST IRON
A.C – ASBESTOS CEMENT
F.M. – FORCED MAIN

NOTES:

1. ALL SANITARY SEWERS ARE VITRIFIED CLAY PIPE UNLESS NOTED OTHERWISE.

STORM DRAIN LEGEND

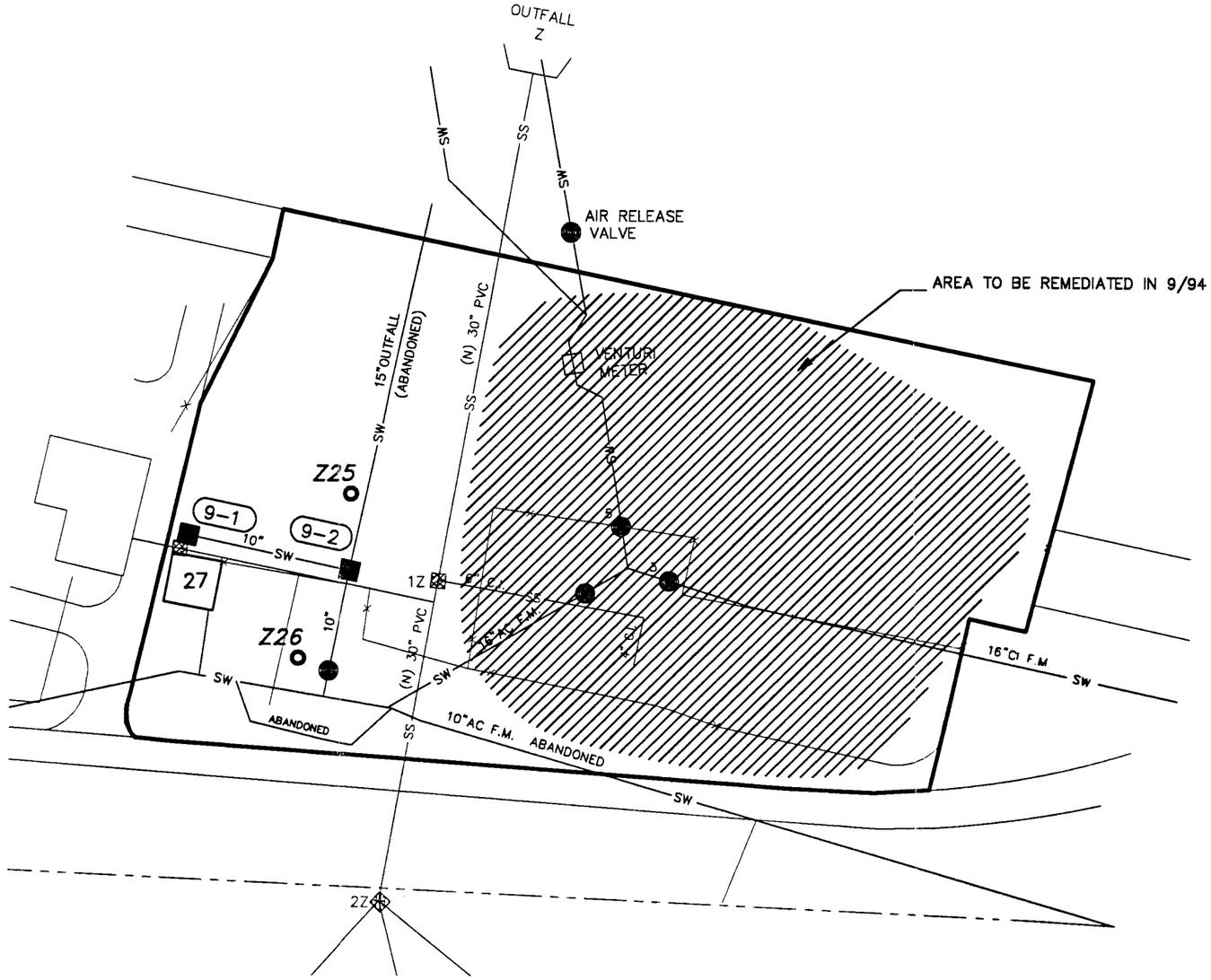
1Z MANHOLE & No.

CATCH BASIN

SS STORM SEWER LINE

MATERIALS:

C.I. – CAST IRON
PVC – POLYVINYL CHLORIDE



SCALE IN FEET

80 0 80 160 240

1" = 50'

NAVAL AIR STATION, ALAMEDA

FIGURE 6-22-1
PARCEL 22
PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO.	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS:
19590022.DWG	PWC 17,629 (STORM DRAINS) PWC 108,728 (SANITARY SEWER) PWC 23,997 (INDUSTRIAL WASTES) HISTORIC DWGS IN EBS DATABASE (FUEL LINES)
SCALE AS NOTED	DATE: 2.10.95/2121.96.45 — SHEET 1 OF 1

TABLE 6-22-1

Summary of Recommended Samples
NAS Alameda Parcel 22

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z3-25-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS
Z3-26-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 03 Target Area 1	Pesticides, PCBs	Pesticides, PCBs	CLP RAS

Northwestern Construction and Maintenance Zone (Zone 3). The zone encompasses the parcel north of the runway that have historically contained shops and storage areas associated with a variety of activities including construction, maintenance, aircraft refueling, and fire training. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 3.

Filling associated with the railroad tracks and ferry terminal formerly located along the northern edge of the current NAS Alameda runway area (including part of Parcel 22) began in the early 1900s. Prior to this time, the area was completely inundated by San Francisco Bay. The area within the parcel boundaries was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 27) and three former building foundations (Buildings 283, 301, and 389) cover approximately 20 percent of this parcel. The remaining 80 percent is open space. The parcel area and building are not currently utilized because of the investigation and remediation activities ongoing at IR Site 15. In the recent past, parcel buildings were used for shops and equipment storage. Sewer lines are present on this parcel and are shown on Figure 6-22-1. Construction activities associated with parcel sanitary sewer lines are scheduled for late 1994. A transformer and substation switchgear are also located at this parcel.

Parcel 22 is located adjacent to an Installation Restoration (IR) Program site (IR Site 20, Oakland Estuary). The western two-thirds of Parcel 22 is an IR site (IR Site 15, Buildings 301 and 389 Storage Area). Previous investigations have been conducted at IR Site 15 and specific data regarding chemical occurrence are included in this PEP.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 27

The date of construction of Building 27 is unknown (Figure 6-22-1). The materials of construction and condition of the building are also unknown because access could not be gained to the parcel for site inspection. Building 27 is a sewer lift station/maintenance shop and covers approximately 1,300 square feet.

Concerns associated with Building 27 include the potential for runoff from the building; a catch basin located to the east of the building captures runoff, which is then conveyed to Oakland Estuary Outfall Z. In addition, information collected during the EBS indicates that biocide and petroleum products were reportedly stored in Building 27. The quantities of these products stored and the duration of storage are unknown.

Building 283 (Demolished)

Building 283 was constructed in approximately 1945. Information collected during the EBS indicates that Building 283 was used as a general warehouse and for storage of aircraft arresting gear. This building was a Quonset hut constructed of metal with a concrete floor and covered approximately 850 square feet. Based on a review of aerial photographs, the building was demolished in early 1994. The building foundation still remains.

Concerns associated with this building include documented chemical storage in the building. Approximately 3,000 gallons of paint, petroleum products, and halogenated and non-halogenated organic compounds were previously stored in this building. The time period during which these chemicals were stored in the building is unknown.

Building 301 (Demolished)

Building 301 was constructed in approximately 1944. Information collected during the EBS indicates that Building 301 was used for storage of electrical equipment, oil-filled transformers, and unused machinery. This building was a Quonset hut constructed of metal with a concrete floor and covered approximately 850 square feet. Based on a review of aerial photographs, the building was demolished in early 1994. The building foundation still remains.

Concerns associated with this building include documented chemical storage in the building. Approximately 2,500 gallons of paint, petroleum products, and halogenated and non-halogenated organic

compounds were previously stored in Building 301. The time period during which these chemicals were stored in the building is unknown. During a site visit conducted in March 1988 Canonie Environmental representatives reported that several 55-gallon drums of hydraulic fluid were stored in Building 301 and surface soils around the building were discolored.

Building 302 (Demolished)

Building 302 was constructed in 1977. The dimensions, materials of construction, and function of Building 302 are not known. Associated structures 302E and 302W function as navigation aid targets and were constructed in 1985. The dimensions and materials of construction of structures 302E and 302 W are not known.

Building 389 (Demolished)

Building 389 was constructed in the early 1950s. Information collected during the EBS indicates that Building 389 was used for storage of transformers. The building was a Quonset hut constructed of metal with a concrete floor. The dimensions of this building are unknown. Based on a review of aerial photographs, the building was demolished in the early 1980s. The building foundation still remains.

Concerns associated with this building include the storage of transformers. Prior to 1974, transformers were stored on the soil in the vicinity of Buildings 283, 301, and 389. According to personnel familiar with site operations, up to 400 gallons of PCB-containing oil from transformers may have been stored at any one time. Periodic leaks of the PCB-containing oil were recalled. The PCB-containing oil was also drained from the transformers on a regular basis and sprayed on the ground around the nearby buildings for weed control (Ecology and Environment, 1983).

Open Space

The open space occupies approximately 80 percent of the total parcel area. The majority of the open space is IR Site 15, which is excluded from the screening-level investigation proposed in this PEP.

Several previous investigations were conducted at IR Site 15 between 1985 and 1992. Investigation activities conducted at the site include surface geophysics, surface soil sampling, installation of soil borings and subsurface soil sampling, installation and sampling of

groundwater monitoring wells, in situ ground water permeability testing, and ground water level measurement. The investigations indicated that surface soils at IR Site 15 contained moderate levels of PCBs (Aroclor-1260) and lead and low levels of pesticides, SVOCs, and other metals. Concentrations of PCBs detected in surface soils ranged from less than 1 mg/kg to 19 mg/kg, and concentrations of lead ranged from 5 mg/kg to 1,350 mg/kg. At depths greater than two feet below ground surface, PCBs and pesticides were not detected and lead concentrations did not exceed 10 mg/kg. No PCBs, pesticides, VOCs, SVOCs, or lead have been detected in groundwater.

Based on the results of the investigations conducted at IR Site 15, the lateral extent of PCBs and lead in surface soils was estimated. PCBs in soil at concentrations greater than 1 mg/kg (1 mg/kg is the preliminary site remedial goal for PCBs in soil) encompass an area of approximately 45,000 square feet. The areal extent of soil containing lead at concentrations greater than 130 mg/kg (130 mg/kg is the default value used by DTSC for the remediation of lead in soil) is approximately 17,000 square feet. The estimated volume of soil requiring remediation is approximately 3,700 cubic yards. Remediation activities at IR Site 15 are currently scheduled for September 1994.

Although the PCB- and lead-contaminated soils at IR Site 15 do not appear to have impacted groundwater, the potential exists given that the depth to groundwater is shallow (between two and five feet below ground surface). Several CPT/HydroPunch testing locations on Parcel 22 have been proposed by the IR contractor as part of ongoing investigations.

The western one-third of the open space occupies approximately 5,000 square feet. The ground surface of the open space is 90 percent asphalt paved, with patches of dirt. The pavement is generally in poor condition. Potential impacts to this area consist of the activities already mentioned associated with the parcel buildings, and potential impacts from IR Site 15. In addition, a transformer is located near the southwest corner of Building 27.

Railroad tracks historically crossed the center of Parcel 22 parallel to the estuary. Railroad ties have reportedly been uncovered in the vicinity of the parcel during past construction.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified

any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 22 is bounded by Parcels 21 and 23 to the west and east, respectively. There are no activities of environmental concern associated with the boundaries of these parcels that are likely to affect boundary areas of Parcel 22. IR Site 20, the Oakland Estuary, borders the parcel to the north. Impacted sediments have been identified in this area; however, migration of compounds of concern onto Parcel 22 is not probable.

Parcel Reclassification and Data Gaps Summary

The available information suggests that this parcel may be reclassified from BRAC Category 7 to BRAC Category 6. Although this parcel was reclassified based on its status as an IR site, several data gaps remain that may prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-22-2 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 22 because no industrial buildings are present.

As noted earlier, Parcel 22 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., unpaved areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling has been addressed as a zone-wide issue for the parcels located in Zone 3.

TABLE 6-22-2

Summary of Data Gaps
NAS Alameda Parcel 22

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 22.
Installation Restoration (IR) Sites	• IR Site 15 (Buildings 301 and 389 Storage Areas) is located on Parcel 22. Additional subsurface investigation relative to IR Site 15 is proposed by the IR contractor. • IR Site 20 (Oakland Estuary) borders Parcel 22 to the north.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Zone 3 Target Area 1: Pesticides may have impacted the long-term unpaved areas (currently unpaved).
Potential Parcel-Specific Release Areas	• No parcel-specific release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-22-2

Summary of Data Gaps
NAS Alameda Parcel 22

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Fuel lines	• No underground or aboveground fuel lines identified.
- Steam lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Once the data gaps in Table 6-22-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 22 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 3. The nature and location of the zone-wide target area was evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Zone 3 Target Area 1 (Landscaped and Long-Term Unpaved Areas): This target area includes all landscaped and current/former unpaved areas within Zone 3. Landscaped and unpaved areas maintained since approximately 1940 may have been impacted by pesticide residues. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. This target area is classified as having potential likelihood of impacts. Two of the twenty-six proposed zone-wide surface soil samples for pesticides are located in Parcel 22. The samples were located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area. Samples that are located on Parcel 22 are listed on Table 6-22-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level investigation technique that will be used to assess conditions in the zone target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-22-1 summarizes the screening-level sampling and analysis recommended for the target area on Parcel 22. One surface soil sample will be collected from the location shown on Figure 6-22-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4. Sampling associated with former railroad tracks will not be conducted because their former location is not known well enough to sample effectively.

The sample locations shown on Figure 6-22-1 is approximate. The sample locations were selected to provide overall coverage of the area of soils that may have been impacted by pesticides.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: soil gas sampling (SOP 6), subsurface GeoProbe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-Z4

ZONE 4 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 4 at NAS Alameda. Zone 4 has been designated the Runway Zone and encompasses the two parcels that are used as aircraft runways, taxiways, and aprons. Zone 4 contains Parcels 23 and 205. During sampling program development, the parcels located in this zone were evaluated together. No zone-wide target investigation areas (target areas) and five parcel-specific target areas have been identified in this zone. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface GeoProbe soil sampling. Twenty-two surface soil samples and 12 subsurface soil samples will be collected in the zone. Because Parcel 23 covers more than 99 percent of this zone and no zone-wide target areas have been identified, the Parcel 23 PEP (Section 6-23) provides most information relevant to the evaluation of this zone.

SECTION 6-23

PARCEL 23 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 23 at NAS Alameda (Figure 6–23–1). The parcel, which is located in the western portion of the base, is 547 acres in size and is irregular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel does not contain any RCRA units; however, two former GAP sites existed on adjacent Parcel 205. Four parcel-specific target investigation areas (target areas) have been identified on this parcel; one has been identified on the adjacent Parcel 205. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface GeoProbe soil sampling. Table 6-23-1 provides the complete list of samples and analyses prescribed by this plan. No potential zone-wide concerns were identified in this zone, therefore, the Zone Analysis Plan for Zone 4 has been condensed. This PEP for Parcel 23 will serve as the ZAP for Zone 4. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 23, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 23, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcel 205 (less than 0.2 acres). This parcel zone has been designated the Runway Zone

TABLE 6-23-1

Summary of Recommended Samples
NAS Alameda Parcel 23

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
23-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1, Open Space IV	Fuels, Oils, PCBs	TPH, PCBs	EPA 8015-Modified, EPA 8080
23-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1, Open Space IV	Fuels, Oils, PCBs	TPH, PCBs	EPA 8015-Modified, EPA 8080
23-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1, Open Space IV	Fuels, Oils, PCBs	TPH, PCBs	EPA 8015-Modified, EPA 8080
23-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1, Open Space IV	Fuels, Oils, PCBs	TPH, PCBs	EPA 8015-Modified, EPA 8080
23-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1, Open Space IV	Fuels, Oils, PCBs	TPH, PCBs	EPA 8015-Modified, EPA 8080
23-5-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1, Open Space IV	Fuels, Oils, PCBs	TPH, PCBs	EPA 8015-Modified, CLP RAS
23-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1, Open Space IV	Fuels, Oils, PCBs	TPH, PCBs	EPA 8015-Modified, EPA 8080
23-6-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1, Open Space IV	Fuels, Oils, PCBs	TPH, PCBs	EPA 8015-Modified, CLP RAS
23-7-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2, Open Space IV	Fuels, Oils	TPH, Metals	EPA 8015-Modified, ICAP Scan
23-7-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 2, Open Space IV	Fuels, Oils	TPH, Metals	EPA 8015-Modified, CLP RAS
23-7-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 2, Open Space IV	Fuels, Solvents, Metals	TPH, VOCs, Metals	EPA 8015-Modified, EPA 8240, ICAP Scan
23-7-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 2, Open Space IV	Fuels, Solvents, Metals	TPH, VOCs, Metals	EPA 8015-Modified, CLP RAS

TABLE 6-23-1

Summary of Recommended Samples
NAS Alameda Parcel 23

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
23-8-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2, Open Space IV	Fuels, Oils	TPH, Metals	EPA 8015-Modified, ICAP Scan
23-8-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 2, Open Space IV	Fuels, Solvents, Metals	TPH, VOCs, Metals	EPA 8015-Modified, EPA 8240, ICAP Scan
23-9-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3, Open Space II	Fuels, Oils	TPH, Metals	EPA 8015-Modified, ICAP Scan
23-9-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 3, Open Space II	Fuels, Oils	TPH, Metals	EPA 8015-Modified, CLP RAS
23-9-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 3, Open Space II	Fuels, Solvents, Metals	TPH, VOCs, Metals	EPA 8015-Modified, EPA 8240, ICAP Scan
23-9-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 3, Open Space II	Fuels, Solvents, Metals	TPH, VOCs, Metals	EPA 8015-Modified, CLP RAS
23-10-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3, Open Space II	Fuels, Oils	TPH, Metals	EPA 8015-Modified, ICAP Scan
23-10-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 3, Open Space II	Fuels, Solvents, Metals	TPH, VOCs, Metals	EPA 8015-Modified, EPA 8240, ICAP Scan
23-11-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3, Open Space II	Fuels, Oils	TPH, Metals	EPA 8015-Modified, ICAP Scan
23-11-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 3, Open Space II	Fuels, Solvents, Metals	TPH, VOCs, Metals	EPA 8015-Modified, EPA 8240, ICAP Scan
23-12-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3, Open Space II	Fuels, Oils	TPH, Metals	EPA 8015-Modified, ICAP Scan
23-12-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 3, Open Space II	Fuels, Solvents, Metals	TPH, VOCs, Metals	EPA 8015-Modified, EPA 8240, ICAP Scan
23-13-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3, Open Space II	Fuels, Oils	TPH, Metals	EPA 8015-Modified, ICAP Scan

TABLE 6-23-1

Summary of Recommended Samples
NAS Alameda Parcel 23

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
23-13-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 3, Open Space II	Fuels, Solvents, Metals	TPH, VOCs, Metals	EPA 8015-Modified, EPA 8240, ICAP Scan
23-14-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4, Open Space I	Fuels, Oils	TPH, Metals	EPA 8015-Modified, ICAP Scan
23-14-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 4, Open Space I	Fuels, Solvents, Metals	TPH, VOCs, Metals	EPA 8015-Modified, EPA 8240, ICAP Scan
23-15-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4, Open Space I	Fuels, Oils	TPH, Metals	EPA 8015-Modified, ICAP Scan
23-15-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 4, Open Space I	Fuels, Solvents, Metals	TPH, VOCs, Metals	EPA 8015-Modified, EPA 8240, ICAP Scan
23-16-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4, Open Space I	Fuels, Oils	TPH, Metals	EPA 8015-Modified, ICAP Scan
23-16-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 4, Open Space I	Fuels, Solvents, Metals	TPH, VOCs, Metals	EPA 8015-Modified, EPA 8240, ICAP Scan
23-17-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4, Open Space I	Fuels, Oils	TPH, Metals	EPA 8015-Modified, ICAP Scan
23-17-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 4, Open Space I	Fuels, Solvents, Metals	TPH, VOCs, Metals	EPA 8015-Modified, EPA 8240, ICAP Scan
23-18-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4, Open Space I	Fuels, Oils	TPH, Metals	EPA 8015-Modified, ICAP Scan
23-18-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 4, Open Space I	Fuels, Oils	TPH, Metals	EPA 8015-Modified, CLP RAS
23-18-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 4, Open Space I	Fuels, Solvents, Metals	TPH, VOCs, Metals	EPA 8015-Modified, EPA 8240, ICAP Scan
23-18-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 4, Open Space I	Fuels, Solvents, Metals	TPH, VOCs, Metals	EPA 8015-Modified, CLP RAS

TABLE 6-23-1

Summary of Recommended Samples
NAS Alameda Parcel 23

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
23-19-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4, Open Space I	Fuels, Oils	TPH, Metals	EPA 8015-Modified, ICAP Scan
23-20-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4, Open Space I	Fuels, Oils	TPH, Metals	EPA 8015-Modified, ICAP Scan
23-20-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 4, Open Space I	Fuels, Oils	TPH, Metals	EPA 8015-Modified, CLP RAS

* This is the suggested location for the confirmation sample. The actual location will depend on field analytical results.

(Zone 4). The Runway Zone encompasses the areas that have been used as aircraft runways, taxiways, and parking aprons. During sampling program development, the two parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for both parcels.

Filling began in the area covered by Parcel 23 in approximately 1900. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was filled in phases, with most recent filling completed in 1963; the ground level and grading have not changed significantly since that time.

Currently, 16 buildings and 12 structures cover approximately one percent of the parcel. The remainder (99 percent) is open space. In general, the parcel area is presently in use as an airfield. Fifteen buildings and three structures were formerly located on the parcel and have since been demolished. Underground fuel lines and sewer lines are present on this parcel and are shown in Figure 6-23-1.

Parcel 23 is located in proximity to seven Installation Restoration (IR) Program sites (IR sites 1, 2, 6, 10A, 15, 17 and 20). Previous investigations have been conducted at Parcel 23 and specific data regarding potential chemical occurrence at the sites are available. Previous investigations affecting adjacent parcels are discussed in the following section.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Previous Investigations

Portions of Parcel 23 were investigated as part of the investigations for IR Sites 1, 2, 6, 10A, and 15. These investigations are summarized in two reports prepared in 1992 and 1993 by PRC Environmental Management and Montgomery Watson., under contract N62474-88-D-5086, entitled *Data Summary Report RI/FS Phases 1 and 2a* and *Data Summary Report RI/FS Phases 2b and 3* . Previous investigations have produced analytical results from soil borings and twelve monitoring wells scattered throughout Open Spaces III, V, and VI (see Figure 6-23-1 for monitoring well locations). Additional surface soil, soil boring, and

HydroPunch sample locations proposed by the IR contractor are also shown on Figure 6-23-1.

Building 50, 51, 56, 57, and 58

Buildings 50, 51, 56, 57, and 58 were constructed in 1941 and served as high explosive, pyrotechnic, and missile magazines. These one-story, 1,400 to 1,600-square-foot buildings are still standing, but were not inspected because they contain classified ammunitions. Buildings 50, 51, 56, 57, and 58 are constructed of concrete and feature concrete floors and dirt roofs. Utilities located within and immediately surrounding the buildings include storm sewer and electrical lines. A transformer is reportedly present at Building 56. EBS information indicates that activities conducted within these buildings were limited to high explosive munitions storage.

Documents show that ordnance has been stored in Building 50, 51,.56, 57, and 58 from 1941 to the present. The actual inventory of the materials stored in these buildings is classified. There have not been any documented spills at these buildings. Staining is not apparent in the aerial photographs. Because most ordnance was shipped into and out of Alameda intact, it is unlikely that significant environmental impact has occurred resulting from this use of the buildings.

Although Buildings 50, 51, 56, 57, and 58 were not physically inspected, a preliminary assessment performed by the Facility Management Office indicates that asbestos-containing materials (ACM) are probably not present. Based on the age of the buildings, lead-based paint may be present.

Building 71

Building 71 was constructed in 1950 and served as a gasoline filling station. Building 71 was located directly north of Building 4, at the eastern tip of Runway 25. Demolished in 1962, Building 71 was of semi-permanent construction and covered approximately 2,400 square feet. Utilities located within and immediately surrounding Building 71 included sanitary sewer, storm sewer, water, electrical, and fuel lines.

EBS information indicates that activities conducted within and adjacent to this building included gasoline refueling. The refueling process, which involved filling vehicle fuel tanks with petroleum products, occurred within Building 71 from 1950 to approximately 1962.

There have not been any documented spills at this building. Staining is not apparent in the aerial photographs, and was not noted during the site inspection. Because this building was demolished in 1962, and staining would not be readily apparent in aerial photographs, this building is addressed by Target Area 2.

Building 100

Building 100 served as a vault for a 4,160 kVA transformer, which is still present. This one-story building is still standing and covers approximately 600 square feet. Utilities located within and immediately surrounding Building 100 include electrical lines.

EBS information indicates that this building was always used as a transformer vault. Although Building 100 was not physically inspected, a preliminary assessment performed by the Facility Management Office indicates that asbestos-containing materials (ACM) are probably not present.

Structure 259

Structure 259 was constructed in 1983 and serves as an aircraft rinse facility. This sloped concrete structure, which covers approximately 8,500 square feet, is located west of Structure 489 and south of Buildings 490 and 100. Utilities located within and immediately surrounding Structure 259 include storm sewer, water, and electrical lines. On-site inspection failed to locate an oil/water separator; the rinsate appears to drain to the storm sewer.

EBS information indicates that the rinsing of aircraft has occurred at Structure 259 from 1983 to the present. There have not been any documented spills at this structure. Staining is not apparent in the aerial photographs, and no staining was noted during the site inspection.

Building 270

Building 270 was constructed in 1944 and served as a pyrotechnics magazine. This one-story, 800-square-foot building was demolished in 1987. Building 270 was constructed of concrete and featured a concrete floor and dirt roof. There were no utilities located within or immediately surrounding Building 270.

EBS information indicates that Building 270 was used for pyrotechnics storage from 1944 to 1987. The actual inventory of the materials stored

in this building is classified. There have not been any documented spills at this building. Staining is not apparent in the aerial photographs, and none was noted during the site inspection.

Building 272

Building 272 was constructed in 1945 and serves as a miscellaneous storage facility. This one-story building is still standing and is in fair condition. Building 272 is a metal Quonset hut with a concrete floor, and covers approximately 800 square foot. Building 272 was formerly a liquid oxygen/nitrogen facility. Storm sewer and electrical utilities are located within and immediately surrounding Building 272.

Building 272 is equipped with a heating-ventilation-air conditioning (HVAC) system. A preliminary assessment performed by the Facility Management Office indicates that asbestos-containing materials (ACM) probably are not present. Based on the age of Building 272, lead-based paint may be present.

There have not been any documented spills at this building. Staining is not apparent in the aerial photographs, and no staining was noted during the site inspection.

Building 332

Building 332 was constructed in 1947 and served as a Navy Exchange Garage. Building 332 was located directly north of Building 4, Wing number 14, where Runway 25 is now located. Demolished in approximately 1962, Building 332 was of semi-permanent construction and covered approximately 4,100 square feet. Utilities located within and immediately surrounding Building 332 included underground storage tanks, sanitary sewer, storm sewer, and fuel lines.

EBS information indicates that activities conducted within this building included automobile repair and maintenance. It appears that Building 332 was always used as a garage. The operations which may have occurred here involve automobile engine maintenance and repair, which typically involve the use of chemicals including solvents, acids (engine dipping and cleaning processes), oil, gasoline, and other petroleum products. These operations occurred within Building 332 from 1947 to approximately 1962.

There have not been any documented spills at this structure. No staining is apparent in aerial photographs, and no staining was noted during the site inspection. Because this building was demolished in

1962, and staining would not be readily apparent in aerial photographs, this building is addressed by Target Area 2.

Building 407

Building 407 was constructed in 1957 and served as a liquid nitrogen/oxygen storage facility. This one-story, 900-square-foot building is constructed of cinder blocks and features a concrete floor and metal roof. Utilities located within and immediately surrounding Building 272 include a storm sewer and electrical lines. A transformer is also present.

EBS information indicates that activities conducted within this building included those associated with its use as a liquid oxygen/nitrogen facility. Liquid oxygen/nitrogen storage and transfer processes occurred within Building 407 from 1957 to the present.

There have not been any documented spills at this structure. No staining is apparent in the aerial photographs, and no staining was noted during the site inspection.

Structure 452

Structure 452 was constructed in 1960 and served as an aviation meteorological facility. This structure is still standing and is generally in fair condition. Utilities located within and immediately surrounding Structure 452 include storm sewer lines.

EBS information indicates that this structure was always used as an aviation meteorological facility. No chemicals are documented to have been stored in or used at Structure 452. There have not been any documented spills at this structure. Staining is not apparent in the aerial photographs, and none was noted during the site inspection.

A preliminary assessment performed by the Facility Management Office indicates that asbestos-containing materials (ACM) are probably not present. Based on the age of Building 452, lead-based paint may be present.

Structure 480

Structure 480 was constructed in 1942 and serves as a wind direction indicator. This multi-sided aluminum structure responds to changes in wind direction by rotating about a vertical axis. The space occupied

by Structure 480 was formerly open space. There are no utilities located within or immediately surrounding Structure 480.

EBS information indicates that this structure has always been used for wind direction indication. No chemicals are documented to have been stored or used at Structure 480. There have not been any documented spills at this structure. Staining is not apparent in the aerial photographs, and no staining was noted during the site inspection.

Structures 483, 485, 495, 511, 567, and 599

Structures 483, 485, 495, 511, 567, and 599 were constructed between 1957 and 1967 and serve as aircraft arresting devices. Structure 485 has been removed. Structure 495 was demolished in 1988. The remaining facilities are generally in fair condition. The structures are each composed of a hydraulic cable arresting mechanism and two aboveground diesel storage tanks.

EBS information indicates that Structures 483, 485, 495, 511, 567, and 599 were always used as aircraft arresting devices. Hydraulic fluid and diesel fuel are documented to have been stored and used at these structures. Approximately 60 gallons of diesel fuel are stored in two tanks at each structure.

Site inspection data indicate that undocumented spills may have occurred near Structures 483, 485, 495, 511, 567, and 599, as evidenced by staining in these areas. These stains appear to be diesel or hydraulic fluid, and appear to have involved a relatively minor quantity of released material. The staining covers less than 100 square feet at Structures 483, 485 495, 511, 567. Surface soil samples will be obtained at three of the aircraft arresting structures (Target Area 1) and will be considered representative of all six current or former structures.

Structures 488 and 489

Structures 488 and 489 were constructed in 1944 and serve as Aircraft Calibration Pads. These concrete structures are generally in fair condition and cover approximately 2,000 square feet, each. The space occupied by Structures 488 and 489 was formerly open space. The only utility located within and immediately surrounding Structures 488 and 489 is a storm sewer.

EBS information indicates that this structure has always been used for aircraft compass calibration purposes. No chemicals are documented to have been stored or used at Structures 488 and 489. There have not

been any documented spills at these structures. Staining is not apparent in aerial photographs, and no staining was noted during the site inspection.

Structure 520

Structure 520 was constructed in 1968 and served as an Aircraft Calibration Pad. This structure is constructed of concrete, is in good condition, and covers approximately 1,100 square feet. The space occupied by Structure 520 was formerly open space. Utilities located within and immediately surrounding Structure 520 include storm sewer lines. EBS information indicates that this structure has always been used as an aircraft compass calibration pad.

No chemicals are documented to have been stored or used at Structure 520. There have not been any documented spills at this structure. Staining is not apparent in aerial photographs, and no staining was noted during the site inspection.

Building 490

Building 490 was constructed in 1957 and serves as a line maintenance shelter. This one-story building is in fair condition and covers approximately 630 square feet. The space occupied by Building 490 was formerly open space. Utilities located within Building 490 include of a transformer.

No chemicals are documented to have been stored in or used at Building 490. There have not been any documented spills at this building. Staining is not apparent in the aerial photographs, and no staining was noted during the site inspection.

Building 492

No EBS information exists for Building 492 (Sewage Pumping Station). This building, which covers approximately 2,900 square feet, could not be located in aerial photographs.

Structure 496

Structure 496 was constructed in 1964 and served as a Ground Control Approach (GCA) turntable. This steel and concrete structure is in fair condition and covers approximately 1,500 square feet. The space

occupied by Structure 496 was formerly open space. Utilities located within Structure 496 include a transformer and electrical lines.

EBS information indicates that this facility has always been used as a Ground Control Approach (GCA) turntable. There have not been any documented spills, chemical storage or use, or staining at this structure.

Building 499

Building 499 was constructed in 1964 and served as an Electrical Distribution Shelter. This one-story building is in fair condition and covers approximately 1,400 square feet. The space occupied by Building 499 was formerly open space. Utilities located within Building 499 include a transformer.

EBS information indicates that activities conducted within this building were limited to its use as an electric distribution shelter. There have not been any documented chemical storage, spills, or staining at this building.

Structure 512

Structure 512 was constructed in 1964 and served as a ship beacon. This one-story wood facility is in poor condition and covers approximately 30 square feet. The space occupied by Structure 512 was formerly open water. Utilities located within Structure 512 include electrical lines. A transformer is also present.

Small quantities of chemicals (e.g., an aerosol can of trichlorotrifluoroethane) are documented to have been stored inside Structure 512. There have not been any documented spills or staining at this facility.

Structure 513

Structure 513 was constructed in 1964 and serves as wheels-up/wave-off lighting. This wood structure is in fair condition. The space occupied by Structure 513 was formerly open water. Utilities located at Structure 513 include a transformer and electrical lines.

There have not been any documented chemical storage, spills, or staining associated with this structure.

Building 519

Building 519 was a field monitor station. It was constructed in 1968 and covered approximately 60 square feet. It was demolished in 1987. No chemicals are documented to have been stored or used at Building 519.

Buildings 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581

Buildings 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, and 581 were constructed in 1975 and served as ready magazines. These buildings were demolished in approximately 1992. These buildings were one-story CONEX boxes, and covered approximately 48 square feet each. Utilities located within and immediately surrounding those buildings include storm sewer lines. EBS information indicates that these buildings were used for ready munitions storage from 1975 to 1992.

There have not been any documented chemical storage or spills at these buildings. Staining was not apparent in aerial photographs, and no staining was noted during the site inspection.

Unnumbered Building #1

Unnumbered Building #1 is of metal prefabricated-type construction and is located on the southwest side of Structure 488. This one-story building is used for storage of magnetic compass calibrator equipment, an AC power source, and an electric heater. Utilities located within or immediately surrounding Unnumbered Building #1 include a storm sewer.

Unnumbered Building #2

Unnumbered Building #2 is of metal prefabricated-type construction and is located approximately 200 feet northwest of Building 499. The use of this building is unknown. Utilities located within or immediately surrounding Unnumbered Building #2 include the storm sewer.

Open Space

The open space in Parcel 23 has been subdivided into six open spaces (Open Space I through VI). The boundaries of these open spaces are shown in Figure 6-23-1.

Open Space I

Open Space I comprises approximately 10 percent of the parcel. In general, Open Space I is used as a parking apron and taxiway for aircraft. No structures, other than aircraft, are located within Open Space I. The open space surrounds three sides of a cluster of four buildings contained within Parcel 205 along the north side of the Seaplane Lagoon. Concrete covers 70 percent of the open space. Asphalt pavement covers the remaining 30 percent. All pavement is in good condition. Utilities located within Open Space I include underground active and abandoned fuel, sanitary sewer, electrical, and storm sewer lines.

Two oil/water separators are located south of Building 12 on Parcel 53 in the north portion of Parking Apron No. 4. These oil/water separators, which were installed after 1993 and are located within concrete secondary containment berms, collect runoff from two nearby aircraft parking areas. Surface soil samples will be collected from the area surrounding these oil/water separators as indicated in Target Area 4.

EBS information indicates that aircraft parking, refueling, and maintenance activities have always occurred in Open Space I. Maintenance and refueling processes appear to have been conducted primarily in the parking apron area of Open Space I. Maintenance and refueling processes appear to have occurred within Open Space I from the 1940s to the present. Aerial photographs reveal large scattered stains in the parking aprons north and south of Taxiway No. 7.

No documented spills have occurred in Open Space I. A review of aerial photographs and site inspection data indicate that undocumented spills may have occurred in the parking aprons north and south of the Taxiway No. 7. These small stains are dark and appear to consist of leaked fuel. Many stains apparent in older aerial photographs are not present in more recent photographs because the parking aprons have been repaved. Five stains south of Parcel 70, in the helicopter parking area of Parking Apron No. 4, are each approximately 40 feet long by 30 feet wide. Aircraft maintenance occurred in the area south of Taxiway No. 7 and may have resulted in fuel, oil, and solvent spills. The staining in this area is addressed by Target Area 4.

Open Space II

Open Space II comprises approximately 15 percent of the parcel. In general, Open Space II has been used as a parking apron for helicopters

and airplanes. Structures located within Open Space II include Structure 488 (Aircraft Compass Calibration Pad), Buildings 272 (Liquid Oxygen/Nitrogen Facility), 407 (Liquid Oxygen/Nitrogen Facility), 499 (Field Lighting Vault), 490 (Line Maintenance), Unnumbered Building #1 and Unnumbered Building #2. (Figure 6-23-1). The open space is 70 percent paved with concrete in good condition, 15 percent paved with asphalt in good condition, and 15 percent bare soil and vegetation in fair condition. Utilities located within and immediately surrounding Open Space II include underground storm sewer and electrical lines.

A 1,000-gallon aboveground diesel storage tank is located outside the northwestern corner of Building 499. The storage tank, which is within a concrete secondary containment berm, provides fuel to a diesel-powered generator located inside Building 499. A 5,000-gallon aboveground aviation gasoline storage tank is located on the northern side of the helicopter parking pads. This storage tank is located within a temporary secondary containment berm, which is lightly stained.

EBS information indicates that aircraft parking, refueling, and maintenance occurred within Open Space II. Aerial photographs show dark stains in the parking aprons which may be the result of refueling and maintenance. The refueling process on the northern side of the helicopter parking pads involves fuel transfer from an aboveground storage tank to aircraft via a dispensing mechanism and hose. Refueling processes that involve fuel transfer between fuel trucks and aircraft were probably conducted throughout Parking Aprons 2 and 3. Staining of the parking apron area, as observed in aerial photographs, may be a consequence of refueling and maintenance activities, in which aviation fuel and lubricating fluids are used. These stained areas are addressed by Target Area 3.

Liquid oxygen and liquid nitrogen are documented to have been stored in Building 407 at the southwestern portion of Open Space II from 1957 to present. Approximately 6,000 gallons of liquid oxygen and liquid nitrogen are presently stored in and around Building 407.

No documented spills have occurred in Open Space II. Review of aerial photographs and site inspection data indicate that undocumented spills may have occurred in Parking Aprons 2 and 3. The stained areas correspond to aircraft parking locations in the parking aprons, and are probably the result of spilled fuel or lubricating fluids. The largest stain is approximately 20 feet by 45 feet. These stained areas are addressed by Target Area 3.

Open Space III

Open Space III comprises approximately 30 percent of the parcel. In general, Open Space III is comprised of abandoned runways and is currently used primarily as a taxiway for aircraft and a training area for fire fighting activities. It also serves as a washdown area. Open Space III was used as a runway and helicopter landing area.

Structures located within the open space include Structure 480 (Wind Direction Indicator), Structure 496 (GCA Turntable), and Structure 489 (Aircraft Compass Calibration Pad). The open space is 95 percent asphalt in fair condition (with patches of dirt and other vegetation), and five percent concrete taxiways in good condition. Utilities located within and immediately surrounding Open Space III include underground fuel, storm sewer, and industrial sewer lines.

EBS information indicates that activities conducted within this open space include aircraft washdown, fire fighting training activities, aircraft warm-up, and use of the aircraft runway. The washdown process involves the rinsing of residuals (e.g., fuel and dirt) from aircraft exteriors. Washdowns were conducted in the southeastern area of the open space, north of the east/west taxiway and west of Structure 489. Fire fighting training activities involve the use of fire fighting foam on aircraft in various areas in various fire fighting scenarios.

From aerial photographs, aircraft washdown appears to have occurred at the rinse facility since 1983. From the site inspection, it appears that the residuals from the rinse facility drain to the storm sewer system.

A 200-gallon aboveground diesel storage tank is located in the northwestern portion of Open Space III, approximately 50 feet west of Structure 496. The storage tank, which does not have secondary containment, provides fuel for a generator.

Site inspection records and photo logs indicate that flammable fuels are currently stored in and used at the fire fighting training area portion of Open Space III. Approximately 60 gallons of flammable fuels are being stored in a CONEX box 150 feet east of Structure 480. Current protocols specify that excess materials be returned to the hazardous materials distribution center.

Review of aerial photographs and site inspection data indicates that undocumented scattered spills have occurred in the aircraft parking areas. The aircraft parking area spills appear to consist of small amounts of leaked fuel. This staining is relatively minor and will not be sampled.

The site inspection documented that the application of fire fighting foam in the fire training area left a white residue on the ground surface in scattered areas within Open Space III. The chemical composition of the fire fighting foam and the types of training activities conducted are unknown.

Open Space IV

Open Space IV, which is comprised of aircraft Runways 25 and 31, comprises approximately 20 percent of the parcel. Open Space IV is primarily used as an aircraft runway. Structures located within the open space include aircraft arresting devices (Structures 599, 495, 483, 485, and 511), the ship beacon (Structure 512), and the wheels up landing aid (Structure 513) (Figure 6-23-1). Each aircraft arresting device is composed of a hydraulic cable arresting mechanism and two aboveground diesel storage tanks. Ninety-five percent of the open space is paved with asphalt and concrete in good condition, and the remaining five percent is covered with grasses and other vegetation. Former Building 332, the Navy Exchange garage, was located near the eastern end of Runway 25. Former Building 71 served as a gasoline filling station from 1950 until its demolition in 1962.

EBS information indicates that activities conducted within this open space include typical aircraft runway activities. Refueling processes involving diesel fuel were conducted at the aircraft arresting devices. Staining was noted during the site inspection at the fill ports and on the asphalt around the aircraft arresting devices' storage tanks. This staining is addressed by Target Area 1. Activities typical of a service garage probably occurred at Building 332 from 1947 until demolition. Potential impacts from Buildings 332 and 71 are addressed by Target Area 2.

Diesel fuel and hydraulic fluid are documented to have been stored at the aircraft arresting devices on Runway 31 and Runway 25. Approximately 60 gallons of diesel fuel is or was stored in two aboveground storage tanks at each aircraft arresting device. The disposal method of used chemicals is unknown. Various fuels, lubricating fluids, and solvents were probably stored and used at Building 332.

A release of hydraulic fluid to a concrete vault was discovered and documented in 1987. Approximately 40 gallons of hydraulic fluid containing up to 700,000 parts per million of PCBs were released near an aircraft arresting device on the eastern side of Runway 31. The spill was absorbed and containerized; contaminated concrete was to be removed for disposal.

Review of aerial photographs and site inspection data indicates dark areas at various locations along the centerline of each of the two runways. Skid marks from aircraft tires or minor undocumented releases from aircraft are potential causes of the dark areas.

Open Space V

Open Space V comprises approximately 15 percent of the parcel. Open Space V is used for munitions storage, an aircraft taxiway, and a roadway. Structures located within the open space were constructed in 1941 and include Buildings 50, 51, 56, 57, and 58. Buildings 50, 51, 56, 57, and 58 are constructed of concrete and dirt. The open space is in fair condition; 50 percent of the surface is paved with asphalt/concrete and 50 percent is covered with grasses and other vegetation. Former Buildings 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, and 581 were lockers which housed munitions, and covered approximately 48 square feet each. All of the buildings were demolished in 1992. Utilities located within or immediately surrounding Open Space V include a storm sewer.

EBS information indicates that activities conducted within this open space included munitions storage. Munitions storage processes were conducted in the south and west perimeters of the open space. The storage of ordnance does not usually involve the use of chemicals. The storage occurred within Open Space V from 1975 to approximately 1992. Ordnance is documented to have been stored at the south and west perimeters of Open Space V from 1941 to present. The amount of ordnance stored in the buildings in Open Space V is classified.

No spills have been documented in this area. Review of aerial photographs and site inspection data did not indicate any undocumented spills.

Open Space VI

Open Space VI comprises approximately 10 percent of the parcel. There are no structures located within the open space, which is 70 percent paved with asphalt and concrete in fair condition, and 30 percent covered with grasses and other vegetation. Utilities located within and immediately surrounding Open Space VI include underground sanitary sewer, storm sewer, electrical, and fuel lines.

EBS information indicates that activities conducted within this open space were restricted to aircraft runway operations. These processes involve aircraft fuel and exhaust. The northernmost part of this area

was historically part of the railroad system. In addition, at least three different runways were situated here throughout the area's history. No chemicals are documented to have been stored or used in Open Space VI.

No spills have been documented in this area. Review of aerial photographs and site inspection data did not indicate any undocumented spills.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 23 is located in proximity to IR Sites 1, 2, 6, 10A, 15, 17, and 20. Sites 1 and 2 border the western edge of Parcel 23. IR Sites 15 and 20 border the northern edge of the parcel. The panhandle (southeast side) of the parcel is bordered by IR Sites 6 and 10A to the north and IR Site 17 to the south. IR Site 17 is not expected to impact Parcel 23. The San Francisco Bay borders the south side of the parcel. Aircraft hangars are situated along the east boundary of the main parcel property and the north boundary of the panhandle.

Parcel 205 is located south of taxiway 7 on Parcel 23. Parcel 205 contains two former GAP sites. During a site inspection, a hazardous waste storage area (possibly former GAP Site 73) was located immediately east of Building 523 on Parcel 205 at the boundary of Parcel 23. This area is used to store paint, trichlorofluoroethane, waste JP-5 and hydraulic fluid, synthetic oils, and drums of absorbent and used oil.

RCRA Sites

This parcel contains no RCRA sites; however, two former GAP Sites exist in Zone 4 on Parcel 205. GAP Site 73 is located at the eastern boundary of Parcel 205 with Parcel 23.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 23, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-23-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently ongoing to address the following data gaps for this parcel: transformers, lead-based paint, asbestos, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines is also addressed separately. Sampling associated with sewers is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Buildings 50, 51, 56, 57, 58, 270, and 272. The one-time compliance program will determine whether further sampling or cleanup measures are required within these buildings before transfer or lease can occur.

As noted earlier, Parcel 23 has open space areas that are landscaped or unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) or intermediate-use areas (e.g., existing unpaved parking lots or roadways where records indicate long-term pesticide use to control weeds) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 23.

Once the data gaps in Table 6-23-2 are addressed and screening-level sampling results from the target areas described below are compared to PRGs and background concentrations, Parcel 23 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-23-2

Summary of Data Gaps
NAS Alameda Parcel 23

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• Identified nesting and/or mating grounds for least tern on adjacent Parcel 24.
Industrial Hygiene (IH) Issues	• IH issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR sites 1, 2, 6, 10A, 15, 17, and 20 located in proximity to Parcel 23. Additional subsurface investigation relative to IR sites 1 and 2 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program. One aircraft arresting device reportedly contained 70% PCBs in hydraulic fluid.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-23-2

Summary of Data Gaps
NAS Alameda Parcel 23

Data Gap	Status/Description
Potential Parcel-Specific Release Areas	• Target Area 1 (Open Space IV (Buildings 332 and 71)) • Target Area 2 (Open Space IV (Runways 25 and 31)) • Target Area 3 (Open Space II (Parking Aprons 2 and 3)) • Target Area 4 (Open Space I (Taxiway No. 7 and Parking Apron No. 4))
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, industrial sewer, electrical, and water lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• Fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

This parcel contains four parcel-specific and no zone-wide target areas. This subsection of the PEP discusses specific parcel target areas. The nature and locations of the parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-23-2.

- Target Area 1, Open Space IV (Runways 25 and 31): In Open Space IV, Structures 483, 485, 495, 511, 567, and 599 (Aircraft Arresting Devices) are potential sources of releases due to the storage and use of diesel fuel and hydraulic fluid. At least one spill of PCB-contaminated hydraulic fluid has been documented. The stains observed during the on-site inspection suggest that spillage of diesel or hydraulic fluid occurred at each of the Aircraft Arresting Devices. Three of the six current or former Arresting Devices with the most severe staining will be sampled in the screening level investigation. Compounds of concern possible within this target area include PCBs and TPH at the current and former aircraft arresting devices. The likelihood of environmental impact having occurred within this target area is classified as potential. Six surface soil samples will be collected in this Target Area, and are listed on Table 6-23-1.

- Target Area 2, Open Space IV (Buildings 332 and 71): In Open Space IV, vehicle fueling activities that occurred at former Building 71 are a potential source of release. Similarly, former Building 332, the Navy Exchange garage, is a potential source of release due to the storage, disposal and use of potentially hazardous substances related to vehicle repair activities. Compounds of concern possible within this target area include TPH, metals, and VOCs in the former locations of Buildings 332 and 71. The likelihood of environmental impact having occurred within this target area is classified as potential. Two surface soil and two subsurface soil samples will be collected in this Target Area, and are listed on Table 6-23-1.

- Target Area 3, Open Space II (Parking Aprons 2 and 3): The aircraft parking, fueling, and maintenance that have occurred in Parking Aprons 2 and 3 of Open Space II are potential sources of release. Extensive staining is evident in aerial photographs throughout the parking apron. Compounds of concern possible within this target area include TPH, metals and VOCs in Parking Aprons 2 and 3. The likelihood of environmental impact having occurred within this target area is classified as potential. Five surface soil and five

subsurface soil samples will be collected in this Target Area, and are listed on Table 6-23-1. The sampling locations were placed in portions of Open Space II with the most severe staining.

- Target Area 4, Open Space I (Taxiway No. 7 & Parking Apron No. 4): Open Space I is a potential source of releases of fuel, lubricating fluids, and solvents due to the aircraft parking, fueling, and maintenance activities that have occurred in the parking aprons (including the area surrounding the two oil/water separators in Parking Apron No. 4). Heavy staining observed during the site inspection and in the aerial photographs indicate that spillage has occurred in the areas north and south of Taxiway No. 7. Compounds of concern possible within this target area include TPH, metals, and VOCs in the parking aprons north and south of Taxiway No. 7. The likelihood of environmental impact having occurred within this target area is classified as potential. Seven surface soil and five subsurface soil samples will be collected in this Target Area, and are listed on Table 6-23-1. Two of the seven surface soil samples will be collected from the area surround the two oil/water separators in Parking Apron No. 4. The sampling locations were placed in the areas with the most severe staining.

Screening-Level Investigation

Two screening-level techniques will be employed to assess the target areas and to identify areas that require follow-up sampling. These techniques are subsurface GeoProbe soil sampling (SOP 14) and surface soil sampling (SOP 3). A total of 20 surface soil samples and 12 subsurface soil samples will be collected at the locations shown on Figure 6-23-1. A summary of soil sample analyses to be performed for the screening level investigation is presented in Table 6-23-1. No screening-level sampling is recommended for those immediate areas until proposed IR contractor sampling has been conducted, and the extent and validity of historical and new data have been confirmed.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor

sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-205

PARCEL 205 EVALUATION PLAN

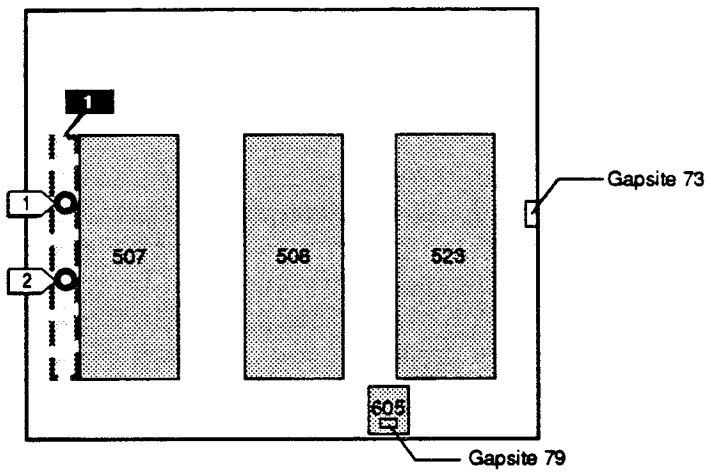
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 205 at NAS Alameda (Figure 6-205-1). The parcel, which is located in the south central portion of the base, is less than one fifth of an acre in size and is square in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1. This parcel contains two former RCRA sites. One target investigation area (target area) has been identified on this parcel. Surface soil sampling is the sampling procedure called for in the screening-level investigation in these areas. Table 6-205-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 205, historical activities are discussed below.

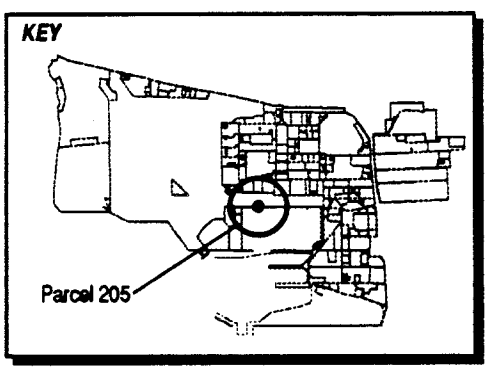
Background and Historical Activities

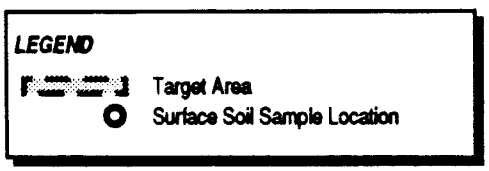
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 205, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel were determined during the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine area on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcel 23. This parcel zone has been designated the Runway Zone (Zone 4). The Runway Zone encompasses the areas that have been used as aircraft runways, taxiways, and parking aprons. No zone-wide considerations or potential zone-wide concerns were identified in this zone so the Zone Analysis Plan for Zone 4 has been condensed. The PEP for Parcel 23 will serve as the ZAP for this zone. During sampling program







1"= 30'

Figure 6-205-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/07.08.94

TABLE 6-205-1

Summary of Recommended Samples

NAS Alameda Parcel 205

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
205-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH, metals	EPA 8015-Modified, ICAP Scan
205-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH, metals	EPA 8015-Modified, ICAP Scan
205-2-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH, metals	EPA 8015-Modified, CLP RAS

* This is the suggested location for the confirmation sample. The actual location will depend on field analytical results.

development, the two parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for both parcels.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, four buildings (Buildings 507, 508, 523, and 605) cover approximately 40 percent of the parcel. The remaining 60 percent is paved open space. Overhead electrical lines, and underground water and storm sewer lines are located within or immediately surrounding Parcel 205. Storm sewer lines run west of the western parcel boundary and discharge to the Seaplane Lagoon. The parcel is currently part of the flight test area. It was formerly used as an aircraft taxiway and for sea plane docking and repair. Buildings 507, 508, 523, and 605 are not equipped with heating-ventilation-air conditioning (HVAC) systems. No incidents are documented to have occurred within Parcel 205.

Parcel 205 is located on the north side of an Installation Restoration (IR) Program site (IR Site 17, the Seaplane Lagoon). No previous investigations have been conducted at Parcel 205, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Buildings 507 and 508

Buildings 507 and 508 were constructed in 1966 and served as covered ground check and flight test buildings (Figure 6-205-1). These are one story buildings in fair condition. They are constructed of metal with a concrete floor and metal roof, and cover approximately 500 square feet each.

Information collected during the EBS indicates that activities conducted within these buildings included storage of personal equipment, electrical parts, and tools.

No chemicals are documented to have been stored in or used at Building 507. Approximately 10 gallons of oils and non-chlorinated organics are stored in three flammable storage lockers between Buildings 507 and 508. These products are used in Building 508.

During site inspection, mottled dark and white staining was noted on the southwest corner of the inside of Building 507. The stain was approximately four feet by three feet. This staining is minor and will not be sampled. Engine oil stains were noted near an engine oil drum on the west side of Building 507. This area is addressed by Target Area 1. No spills or staining were noted in Building 508.

Building 523

Building 523 was constructed in 1969 and served as a ground check and flight test building (Figure 6-205-1). This building is in fair condition. Building 523 is a one story building, constructed of metal with a concrete floor and metal roof, and covers approximately 500 square feet.

Information collected during the EBS indicates that activities conducted within this building included storage of electrical parts and tools.

Approximately 10 gallons of general cleaning supplies are stored in Building 523. Hazardous waste generation has been documented for Building 523. Approximately 1000 gallons of non-halogenated organics, petroleum products, and fuel were documented to be present during February 1992. No spills or staining was evident during the site inspection. GAP Site 73 was formerly located in Building 523. This GAP site has been removed.

Building 605

Building 605 was constructed as a storage space for electrical equipment (Figure 6-205-1). This building is in fair condition. Building 605 is a one story building and is constructed of metal with a concrete floor.

Information collected during the EBS indicates that activities conducted within this building included storage. No chemicals are documented to have been stored in or used at Building 605. There are no documented spills or staining within this building. Building 605 is listed as a removed GAP site that formerly stored blasting media, and no evidence of blasting media was noted during the site inspection.

Open Space

The open space covers approximately 60 percent of the parcel. The open space is completely paved. Approximately five percent of the paved area is surfaced with asphalt and 95 percent is covered with concrete. The pavement is generally in fair condition.

EBS information indicates that activities conducted within this open space include flight checks. In the past this parcel was used as an aircraft taxiway and as a sea plane docking and repair facility servicing Ramp No. 1 on the Seaplane Lagoon.

During a site inspection, a hazardous waste storage area (possibly former GAP Site 73) was located immediately east of Building 523 on Parcel 205 at the boundary of Parcel 23. This area is used to store paint, trichlorofluoroethane, waste JP-5 and hydraulic fluid, synthetic oils, and drums of absorbent and used oil. Chemicals in this area appeared to be stored and labeled correctly and adequately.

No spills are documented for this open space. Minor staining was noted between Buildings 523 and 508 during the site inspection. Because this staining was minor (covering two square feet) and on concrete, no sampling is proposed.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 205 is bounded by Parcel 23 to the north, west and east. The former Seaplane Lagoon (IR Site 17) borders Parcel 205 to the south. IR Site 17 is not expected to impact Parcel 205.

RCRA Sites

This subsection identifies RCRA sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes two RCRA sites (GAP Site 73 and GAP Site 79). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, these sites do not require sampling, because no staining

was noted in the former locations of these GAP Sites, and because the areas are paved.

GAP Site 73 is identified as Building 523, at Shop 95521 and has had no known releases. Site 73 was a GAP Site for JP-5, engine oil, lube oil, and hydraulic oil. This GAP site has been removed. During a site inspection, a hazardous waste storage area (possibly former GAP Site 73) was located immediately east of Building 523 on Parcel 205 at the boundary of Parcel 23. This area was storing the same compounds noted to be stored at former GAP Site 73.

GAP Site 79 is identified as Building 605, at Shop 65234 and has had no known releases. Site 79 was a GAP Site containing blasting media. This GAP Site is reported to have been removed. No evidence of blasting media was noted during the site inspection.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 205, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-205-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Buildings 507, 508, 523, and 605. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-205-2 are addressed and screening-level sampling results from the target areas described below are compared to

TABLE 6-205-2

Summary of Data Gaps
NAS Alameda Parcel 205

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• IH issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 17 (Seaplane Lagoon) is located immediately south of Parcel 205. This site is not expected to impact Parcel 205.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1 (West side of Building 507).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, electrical, and water lines identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-205-2

Summary of Data Gaps
NAS Alameda Parcel 205

Data Gap	Status/Description
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

PRGs and background concentrations, Parcel 205 may be reclassified from BRAC category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target area and no zone-wide target areas. This subsection of the PEP discusses the specific parcel target area. The nature and location of the parcel-specific target area was evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (west side of Building 507): Engine oil stains were noted during the site inspection on the west side of Building 507. This target area covers less than 200 square feet and has been classified as having a potential likelihood of impacts. TPH and metals are the compounds possible within this target area. Two surface soil samples will be collected in this target area, and are listed in Table 6-205-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level technique that will be employed to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-205-1 summarizes screening-level sampling and analysis for the target area on the parcel. Two surface soil samples will be collected from the locations shown on Figure 6-205-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4. The surface soil samples in Target Area 1 should be collected from the most heavily stained areas.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: soil gas sampling

(SOP 6), subsurface GeoProbe soil sampling (SOP 4), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-Z5

ZONE 5 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 5 at NAS Alameda (Figure 6-Z5-1). Zone 5 has been designated the Wetlands/Protected Area and encompasses the parcels that contain current wetlands. Zone 5 is comprised of Parcels 24 and 25. During the sampling program development, the parcels located in this zone were evaluated together. One zone-wide target investigation area (target area) and one parcel-specific target area have been identified in this zone. No zone-wide samples have been proposed in the zone-wide target area. Surface soil sampling is the sampling procedures called for in the screening-level investigation in the parcel-specific target area. Figure 6-Z5-1 illustrates all sample locations for the entire zone, including parcel-specific sampling. This zone evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 5, historical activities are discussed below.

Zone 5 Background and Historical Activities

This subsection briefly summarizes EBS information available for buildings, open spaces, and boundaries of Zone 5 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the parcel-specific evaluation plans (PEPs) for the parcels contained in this zone.

Past and present use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs (the non-intrusive investigation[1]). This information was used to determine areas on the zone where sampling was deemed necessary to delineate potential impacts of compounds of concern.

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1 The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.

Zone 5, the Wetlands/Protected Area Zone, encompasses two parcels that contain current wetlands. During the sampling program development, the parcels located in this zone were evaluated together to better address zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of specific parcel concerns is provided in the Parcel Evaluation Plans (PEPs) for individual parcels.

Filling began in the area covered by this zone in approximately 1941. Prior to this time, the zone area was completely inundated by San Francisco Bay. The zone was completely filled as of 1963; the ground level and grading have not changed significantly since that time.

The entire zone is open space. The zone area is presently wetlands. Three small concrete pads are located in Parcel 25. No buildings or structures are presently or were formerly located on the parcels in Zone 5.

Zone 5 is located more than 500 feet from any Installation Restoration (IR) Program site; however, previous investigations have been conducted near parcels in Zone 5 as part of the investigations for IR Site 1 (Disposal Area) and IR Site 2 (West Beach Landfill). Three monitoring wells (MW-108A, MW-108B, and MW-109A) have been installed near Zone 5 parcels. Details of previous investigation activities are described in the corresponding PEPs.

Underground sewer lines present in this zone are illustrated in the individual PEP figures. Most PCBs (see protocols in Section 3 for exceptions) and radiological considerations on Zone 5 will be addressed in other sampling programs and are not considered in this ZAP.

Underground Storage Tanks

No evidence of underground storage tanks has been identified in this zone. Neither the document review nor the site inspection identified any information that indicated that any tanks are or may have been present in this zone.

RCRA Sites

No RCRA sites have been identified in this zone.

Zone Boundary Conditions

Zone 5 is bounded by Zones 4 and 7. Activities of concern on these adjacent zones include aircraft traffic on Zone 4 and corrosion control and aircraft testing on Zone 7. The San Francisco Bay borders Zone 5 to the south.

Zone Target Areas and Compounds of Concern

This zone contains one zone-wide target area and one parcel-specific target area. This subsection of the ZAP discusses the specific zone-wide target area and provides an overview of the parcel-specific target area in Parcel 25. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this zone. Detailed information regarding the parcel-specific target area and the proposed sampling are provided in the PEPs for individual parcels. The nature and locations of the zone-wide and parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

In addition, parcel-specific data gaps pertaining to transformers, underground lines, parcel boundaries, and radiological concerns must be resolved before this zone can be reclassified from BRAC Category 7, leased, or transferred.

Zone 5 Target Areas

- Target Area Z1 (Unpaved Areas): This target area includes all current/former unpaved areas within the Wetlands/Protected Area Zone. Unpaved areas maintained since approximately 1941 may have been impacted by pesticide residues. Pesticides that may have been applied historically in this target area contained persistent compounds. A range of unpaved areas will be sampled as a special precaution in this zone to provide data to allow potential ecological risk, if any, from historical pesticide application. This target area is classified as having potential likelihood of impacts. No zone-wide sampling has been proposed for the zone-wide target area.

Parcel 25 Target Area

- Target Area 1 (Stain Along Road): The soil in this area appeared to have been impacted by an unknown substance. This target area

covers approximately 100 square feet and has been classified as having a potential likelihood of impact. Although the contaminant of concern is not known, it is most likely a petroleum hydrocarbon compound, as the stain is located beside a roadway. One surface soil sample will be collected from this target area. The sample to be collected in this target area is listed in Table 6-25-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level techniques that will be employed to assess conditions in the parcel-specific target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

One surface soil sample will be collected from the parcel-specific location shown on Figure 6-Z5-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the zone areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface GeoProbe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-24

PARCEL 24 EVALUATION PLAN

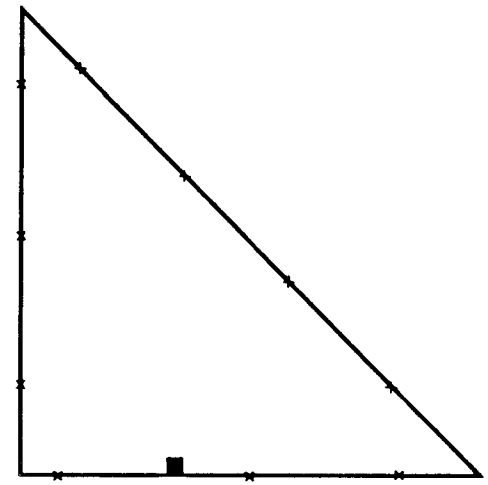
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 24 at NAS Alameda (Figure 6-24-1). The parcel, which is located in the south central portion of the base, is approximately four acres in size and is triangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at Parcel 24. No parcel-specific and no zone-wide target investigation area (target area) have been identified on this parcel; however, no zone-wide sampling has been proposed for the zone-wide target area. This parcel evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 24, historical activities are discussed below.

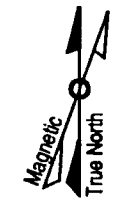
Background and Historical Activities

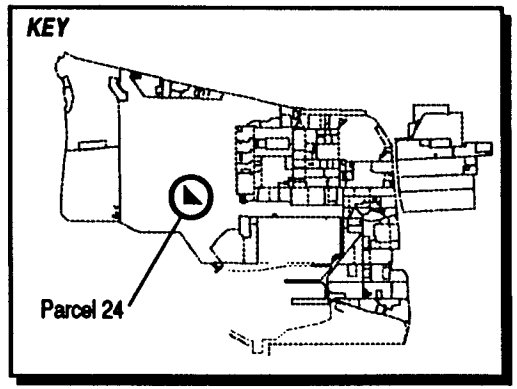
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 24 consistent with objective 1 identified in Section 1 of the Shell Workplan. This subsection also identifies other areas of concern at Parcel 24.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcel 25. This parcel zone has been designated the Wetlands/Protected Area Zone (Zone 5). The Wetlands/Protected Area Zone encompasses the parcels that presently contain wetlands, which by law must be managed and protected. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 5.







LEGEND

■ Catch Basin

Note: No parcel specific sampling required for this parcel

1" = 250'

Figure 6-24-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121 [illegible]/DS/06.29.94

Filling took place in the area covered by this parcel in 1941. Prior to this time, the parcel area was wetlands. The ground level and grading have not changed significantly since the time Parcel 24 was filled.

This parcel is entirely open space. There are no buildings, structures, utilities, or USTs on the parcel. Historical records do not indicate that any structures have been present in this area. This parcel is a protected wetlands area, and is currently a California Least Tern habitat. Only the catch basin of an underground sewer line is present on this parcel and is shown on Figure 6-24-1.

Parcel 24 is located more than 500 feet from any Installation Restoration (IR) Program site; however, previous investigations have been conducted immediately west of Parcel 24 as part of the investigations for IR Site 1 (Disposal Area) and IR Site 2 (West Beach Landfill). Two monitoring wells (MW-108A and MW-108B) have been installed immediately west of Parcel 24. Soil boring data and groundwater monitoring well results were not available for review. This area is currently under investigation. Activities of potential environmental concern within the parcel open space are described in detail below.

Open Space

All of Parcel 24 is considered open space. This parcel is entirely open space that is unpaved as shown on Figure 6-24-1. During a visual inspection, the ground surface appeared to be bare soil. This parcel has always been vacant open space since it was filled. The entire parcel is designated as a California Least Tern nesting ground.

Utilities located within and immediately surrounding the open space include underground electric lines and storm sewers. Pesticides were applied biannually from October of 1991 through October of 1993 for weed control. EBS data indicates that types of pesticides used on this parcel include Round-Up, Krovar, and Amizole.

There is no evidence that spills occurred or chemicals were stored at this parcel. Other incidents, including fires, mishaps, or flooding are not documented to have occurred within the open space of this parcel.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified

no information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 24 is bounded by Parcel 23 on all sides. Activities of concern on this adjacent parcel include typical runway operations. Investigations of IR Site 1 and IR Site 2 are on-going. If the continuing investigations at these IR sites reveal a cause for concern near this parcel, then additional sampling adjacent to Parcel 24 may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 24, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific or zone-wide issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-24-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: radiological concerns and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewers is discussed in corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 24 because no buildings are present. As noted earlier, Parcel 24 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling has been addressed as a zone-wide issue for the parcels located in Zone 5 because this parcel contains wetlands, which are environmentally sensitive areas.

Once the data gaps in Table 6-24-1 are addressed and screening-level sampling results from the zone-wide target area described below is compared to the appropriate screening levels, Parcel 24 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-24-1

Summary of Data Gaps
NAS Alameda Parcel 24

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• No ACM identified at this parcel.
Endangered Species	• Identified California Least Tern nesting ground at this parcel.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 24.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 24, although potential groundwater contamination may have resulted at Parcel 24 from IR Site 1 (Disposal Area) and IR Site 2 (West Beach Landfill). Current investigations include soil and groundwater sampling from MW-108A and MW-108B on the western boundary of Parcel 24.
Lead-Based Paint (LBP)	• No LBP identified at this parcel.
PCB-Containing Equipment	• No PCB-containing equipment identified at this parcel.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Pesticides may have impacted the long-term unpaved areas (currently unpaved) on Parcel 24.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• A storm sewer catch basin identified at this parcel.

TABLE 6-24-1

Summary of Data Gaps
NAS Alameda Parcel 24

Data Gap	Status/Description
- Fuel Lines	• No underground or aboveground fuel lines identified.
- Steam Lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

This subsection of the PEP discusses the parcel-specific and zone-wide target areas. The one zone-wide target area contains this parcel. No parcel-specific target areas were identified for this parcel.

- Zone 5 Target Area 1: This zone-wide target area includes all landscaped and currently or formerly unpaved areas within the Wetlands/Protected Area Zone. The landscaped areas located throughout Parcel 24 are part of this zone-wide target area. No zone-wide sampling has been proposed for the zone-wide target area.

In addition, data gaps pertaining to transformers, underground lines, parcel boundaries, and radiological concerns must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-25

PARCEL 25 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 25 at NAS Alameda (Figure 6-25-1). The parcel, which is located in the south central portion of the base, is approximately 24 acres in size and is roughly trapezoidal in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located on this parcel. One parcel-specific and one zone-wide target investigation area (target area) have been identified on this parcel. No zone-wide sampling has been proposed for the zone-wide target area. Surface soil and soil vapor sampling will be used to accomplish the screening-level investigation for the parcel-specific target areas. Table 6-25-1 provides the complete list of samples and analyses prescribed by this plan. This parcel evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 25, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 25 consistent with objective 1 identified in Section 1 of the Shell Workplan. This subsection also identifies other areas of concern at Parcel 25.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcel 24. This parcel zone has been designated the Wetlands/Protected Area Zone (Zone 5). The Wetlands/Protected Area Zone encompasses the parcels that presently contain wetlands, which by law must be managed and protected. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data

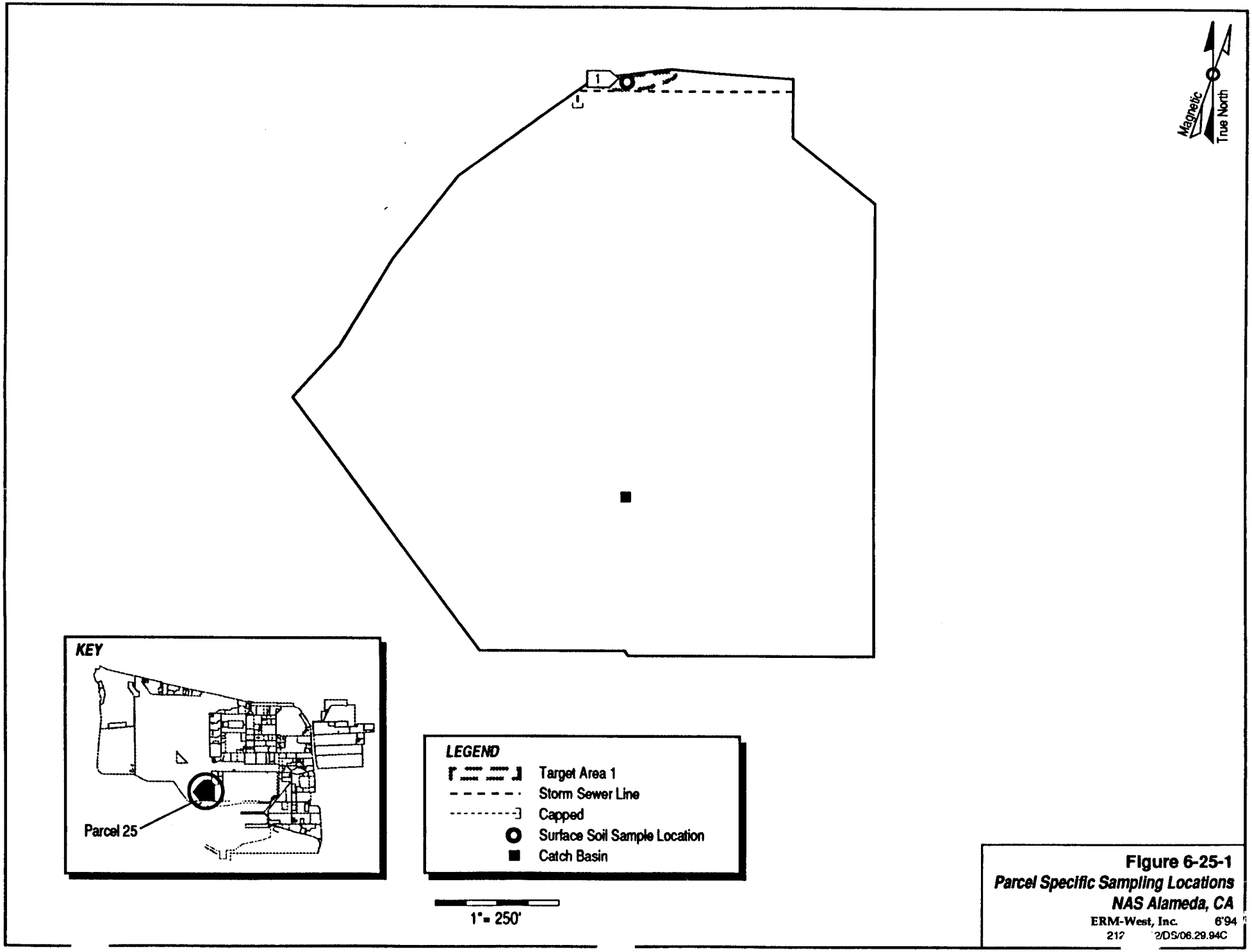


Figure 6-25-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
217 2/DS/06.29.94C

TABLE 6-25-1

Summary of Recommended Samples
NAS Alameda Parcel 25

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
25-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Gasoline, diesel, PAHs, lead	TPH, SVOCs, metals	Modified EPA 8015, CLP RAS

evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 5.

Filling began in the area of this parcel in 1958. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1963; the ground level and grading have not changed significantly since that time.

This parcel is entirely open space. There are no buildings, structures, utilities, or USTs on the parcel. Historical records do not indicate that any structures have been present in this area. This parcel is a protected wetlands area. An underground sewer line and a catch basin are present on this parcel and are shown on Figure 6-25-1.

Parcel 25 is located more than 500 feet from any Installation Restoration (IR) Program site; however, previous investigations have been conducted at the southeast corner of Runways 31 and 25 as part of the investigations for IR Site 1 (Disposal Area) and IR Site 2 (West Beach Landfill). One monitoring well (MW-109A) has been installed to the northwest of Parcel 25. Soil boring data results at MW-109A indicated the presence of 7,000 mg/kg petroleum products and 2,400 mg/kg fuel products. Groundwater sample results at MW-109A indicated a maximum concentration of 4.3 µg/L halogenated organic compounds. This area is currently under investigation.

Most PCBs (see protocols in Section 3 for exceptions) and radiological considerations on parcels will be addressed in other sampling programs and are not considered in this PEP. Activities of potential environmental concern within the parcel open space are described in detail below.

Open Space

All of Parcel 25 is considered open space. This parcel is entirely open space that is unpaved as shown on Figure 6-25-1. This parcel has always been vacant open space since it was filled. This parcel, which is part of the western side of NAS Alameda, is considered a Least Tern habitat. The northern portion of the parcel is above water and is covered by grassland. The southern portion of the parcel is below the water level, and is essentially a marshland. During a visual inspection, three small concrete pads were noted at Parcel 25. One of the concrete pads was empty, one was gated (possibly for transformer), and the third supported a wind meter. An asphalt roadway enters the parcel at the northwest corner. During a visual inspection, an abandoned pipe was noted in the center of the grassy open space.

Utilities located within and immediately surrounding the open space include a capped storm sewer along the northern parcel boundary and a catch basin in the southern portion of the site.

During the EBS site inspection, a dark stain was present along the road at the northern edge of the parcel. The stain measured approximately 20 feet by 5 feet. The origin of the stain is not known.

There is no evidence that chemicals were stored in or used at this parcel. Other incidents, including fires, mishaps, or flooding are not documented to have occurred within the open space of this parcel.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified no information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 25 is bounded by Parcel 23 to the north and west, Parcel 26 to the northeast, Parcel 27 to the east, and the San Francisco Bay to the south. Activities of concern on these adjacent parcels include typical runway operations. Investigations of IR Site 1 and IR Site 2 are on-going. If the continuing investigations at these IR sites reveal a cause for concern near this parcel, then additional sampling near Parcel 25 may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 25, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific or zone-wide issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-25-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed

TABLE 6-25-2

Summary of Data Gaps
NAS Alameda Parcel 25

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• No ACM identified at this parcel.
Endangered Species	• Identified California Least Tern habitat at this parcel.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 25.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 25, although potential groundwater contamination may have resulted at Parcel 25 from IR Site 1 (Disposal Area) and IR Site 2 (West Beach Landfill) as indicated by detection of TPH and halogenated organic compounds in MW-109A.
Lead-Based Paint (LBP)	• No LBP identified at this parcel.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Pesticides may have impacted the long-term unpaved areas (currently unpaved) on Parcel 25.
Potential Parcel-Specific Release Areas	• TPH may have impacted the northern boundary of Parcel 25 as indicated by the presence of a dark stain along the northern roadway.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-25-2

Summary of Data Gaps
NAS Alameda Parcel 25

Data Gap	Status/Description
Underground Utilities	• Storm sewer and catch basin identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
- Steam Lines	• No steam lines identified.
Wetlands	• Wetlands exist at Parcel 25.
Other	• Other data gaps identified include an abandoned pipe located in the center of the grassy open space.

separately. Sampling associated with sewers is discussed in corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 25 because no buildings are present. As noted earlier, Parcel 25 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling has been addressed as a zone-wide issue for the parcels located in Zone 5 because this parcel contains wetlands, which are environmentally sensitive areas.

Once the data gaps in Table 6-25-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 25 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP discusses the parcel-specific and zone-wide target areas. The one zone-wide target area contains this parcel. One parcel-specific target area was identified for this parcel. The nature and location of the parcel-specific target area was evaluated in this PEP to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The nature and location of the zone-wide target area was evaluated in the Zone Analysis Plan for Zone 5.

- Target Area 1 - Stain Along Road: It appears that the soil in this area has been impacted by an unknown substance. This target area covers approximately 100 square feet and has been classified as having a potential likelihood of impact. Although the contaminant of concern is not known, it is most likely a petroleum hydrocarbon compound, as the stain is located beside a roadway. the sample to be collected in this target area is listed in Table 6-25-1.

- Zone 5 Target Area 1: This zone-wide target area includes all landscaped and currently or formerly unpaved areas within the Wetlands/Protected Area Zone. The landscaped areas located throughout Parcel 25 are part of this zone-wide target area. No zone-wide sampling has been proposed for the zone-wide target area.

In addition, data gaps pertaining to transformers, underground lines, parcel boundaries, and radiological concerns must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level techniques that will be employed to assess conditions in the parcel-specific and zone-wide target area, and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

Table 6-25-1 summarizes the screening-level sampling and analysis recommended for the parcel-specific and zone-wide target areas that impact Parcel 25. Two surface soil samples for the zone-wide target area, and one surface soil sample and one soil vapor sample for the parcel-specific target area will be collected from the locations shown on Figure 6-25-1.

The parcel-specific surface soil sample will be field analyzed for TPH, SVOCs, and metals. The parcel-specific sampling density is less than the standard sampling density as identified in Table 3-1 of the Shell Workplan because of the small size of the parcel-specific target area.

Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-Z6

ZONE 6 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 6 at NAS Alameda (Figure 6-Z6-1). Zone 6, which is located in the central portion of the base, has been designated the Western Hangar Zone and encompasses the parcels that are primarily used for aircraft maintenance and support activities. Zone 6 is comprised of Parcels 29, 30, 31, 32, 33, 34, 35, 36, 37, 190, 191, 192, 193, and 204. During the sampling program development, the parcels located in this zone were evaluated together. One zone-wide target investigation area (target area) and 16 parcel-specific target areas have been identified in this zone. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling, soil vapor sampling, and subsurface GeoProbe sampling. Table 6-Z6-1 provides the complete list of zone-wide samples and analyses prescribed for this zone, and Figure 6-Z6-1 illustrates all sample locations for the entire zone, including parcel-specific sampling. This zone analysis plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 6, historical activities are discussed below.

Zone 6 Background and Historical Activities

This subsection briefly summarizes EBS information available for Zone 6, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies underground storage tanks and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the parcel-specific evaluation plans (PEPs) for the parcels contained in this zone.

Past and present use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs (the non-intrusive investigation[1]). This information was used to determine areas on the zone where sampling

[1] The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.

TABLE 6-Z6-1

Summary of Recommended Samples
NAS Alameda Zone 6

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z6-1-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 01 Target Area 2	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-2-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-3-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-3-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-4-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-5-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-6-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-6-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-7-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-8-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC

TABLE 6-Z6-1

Summary of Recommended Samples
NAS Alameda Zone 6

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z6-9-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-9-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-10-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-11-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-12-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-13-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-14-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-15-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-16-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-17-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC

TABLE 6-Z6-1

Summary of Recommended Samples
NAS Alameda Zone 6

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z6-18-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-18-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-19-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-20-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-21-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-22-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-22-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-23-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-24-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-25-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC

TABLE 6-Z6-1

Summary of Recommended Samples
NAS Alameda Zone 6

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z6-26-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-27-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-27-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-28-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-29-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-30-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-31-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-32-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-33-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-34-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC

TABLE 6-Z6-1

Summary of Recommended Samples
NAS Alameda Zone 6

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z6-35-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-35-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-36-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-36-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-37-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-38-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-39-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-40-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-41-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-42-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC

TABLE 6-Z6-1

Summary of Recommended Samples
NAS Alameda Zone 6

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z6-43-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-43-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-44-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-45-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-46-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-47-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-48-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-49-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-50-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-50-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS

TABLE 6-Z6-1

Summary of Recommended Samples
NAS Alameda Zone 6

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z6-51-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-52-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-53-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-54-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-55-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-56-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-56-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-57-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-58-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-59-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC

TABLE 6-Z6-1

Summary of Recommended Samples
NAS Alameda Zone 6

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z6-59-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-60-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-61-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-62-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-63-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-64-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-65-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-65-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS

was deemed necessary to delineate potential impacts of compounds of concern.

Zone 6, the Western Hangar Zone, encompasses 14 parcels that are primarily used for aircraft parking, maneuvering, washdown, fueling, and maintenance activities. During the sampling program development, the parcels located in this zone were evaluated together to better address zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of specific parcel concerns is provided in the Parcel Evaluation Plans (PEPs) for individual parcels.

Filling began in the area covered by this zone in approximately 1930. Prior to this time, the zone area was completely inundated by San Francisco Bay. The area within the zone boundaries was completely filled as of 1941; the ground level and grading have not changed significantly since that time.

Currently, approximately 34 buildings and 17 structures cover approximately 20 percent of the zone. The remaining 80 percent is open space. The zone is presently used primarily for aircraft maintenance and support activities. Five buildings and six structures were formerly located on the parcel and have since been demolished. Underground fuel and sewer lines present on this zone are illustrated in the individual PEP figures.

No Installation Restoration (IR) Program sites are located in Zone 6. No previous investigations have been conducted at Zone 6 and specific data regarding chemical occurrence at this zone are not available. Sampling near the eastern edge of Zone 6 has been performed by the IR contractor as part of the IR investigation associated with IR Site 5 (Building 5).

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on Zone 6 will be addressed in other sampling programs and are not considered in this ZAP. Industrial hygiene concerns potentially exist in Buildings 20, 21, 22, 24, 316, 319, 377, 377A, and 582.

Underground Storage Tanks

One underground storage tank (Tank 491-1) was formerly present at Zone 6 on Parcel 29. This 500-gallon tank was used to store gasoline, presumably for a nearby emergency generator. The installation date,

removal date, and exact former location of Tank 491-1 are unknown. No information is available regarding the integrity of this tank upon removal. Soil and groundwater sampling have been proposed near the former location of this tank by a separate ERM investigation.

Two active tanks are present at this zone on Parcel 37. No record regarding the tank numbers for these tanks is available. Based on the available information, these tanks are supplemental to the oil/water separator pit and are used for spill containment and storm water runoff collection around the fueling areas. The installation date for these tanks and the secondary containment status is unknown. No data pertaining to tightness or tank integrity have been identified.

Flush grade valves and pump ports observed during the site inspection indicate that two underground storage tanks may exist in the northeast portion of Parcel 30. In addition, an anecdotal report indicates that an underground storage tank, related to the fire station in Building 19, may be located on or north of Parcel 193. There is no other evidence to support the presence of underground tanks in these areas.

RCRA Sites

This zone contains seven RCRA sites on Parcels 30, 32, 190, 191, 192, 193, and 204. These sites were evaluated consistent with the criteria applied to other potential target areas at the zone. Under these criteria, two of the RCRA sites (located in Parcel 30) in this zone require further investigation. A brief description of each RCRA site is provided in the corresponding PEP. The sampling proposed for the sites that require sampling is also described in the corresponding PEP.

Zone Boundary Conditions

Zone 6 is bounded by Zones 4, 8, 9, 10, and 11. First Street, Taxiway 4, Taxiway 3, and Taxiway 7 border Zone 6 to the east, west, north, and south, respectively. Activities of concern in adjacent zones include heavy industrial operations in Zone 10 and IR Site 10A located in Zone 11. Activities of concern on these adjacent zones include ongoing subsurface investigations related to IR sites (IR Sites 1, 2, 5, and 10A) and underground storage tanks on Zones 4, 8, 10, and 11.

Sampling related to IR Sites in Zones 1 and 11 has been proposed by the IR contractor near the boundaries of Zone 6. Additional CPT/HydroPunch samples have been proposed near the western and northern border of Zone 6 as part of the continuing investigation related to IR Sites 1 and 2 (Zone 1). Also, additional monitoring wells

have been proposed near the southeastern border of Zone 6 as part of the ongoing subsurface investigation related to IR Site 10A (Zone 11).

Zone Target Areas and Compounds of Concern

This zone contains one zone-wide target area and 16 parcel-specific target areas. This subsection of the ZAP discusses the specific zone-wide target area and provides an overview of the parcel-specific target areas. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this zone. Detailed information regarding the parcel-specific target areas and the proposed sampling is provided in the PEPs for individual parcels. The nature and locations of the zone-wide and parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. In addition, parcel-specific data gaps pertaining to asbestos, lead-based paint, PCBs, USTs, underground lines, and radiological concerns must be resolved before this zone can be leased or transferred.

Zone 6 Target Area

- Zone 6 Target Area 1 (Open Space Aircraft Maintenance and Fueling Areas): This target area includes the open space of Parcels 30, 31, 32, 33, 34, 35, 190, 191, and 192 within the Western Hangar Zone. The aerial extent of this target area is defined by the widespread staining observed in historical aerial photographs as a result of the aircraft fueling and maintenance activities conducted in this area. The largest and heaviest stains corresponded to aircraft parking locations and the borders of hangar buildings. Sixty-five soil vapor samples and 13 subsurface Geoprobe soil samples will be collected in Zone 6 to assess potential releases of chemicals to subsurface soil via cracks in the concrete. This target area has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-Z6-1. The approximate sampling locations shown on Figure 6-Z6-1 correspond to areas observed to be significantly stained based on historical aerial photograph review or site inspection information.

Parcels 31, 33, 35, 36, 190, 191, 193, and 204 Target Areas

No parcel-specific target areas were identified on these parcels.

Parcel 29 Target Area

- Target Area 1 (Building 491): Based on the staining observed on the floor of Building 491, the soil beneath the concrete floor may have been impacted by diesel fuel. This target area covers approximately 100 square feet. The likelihood that environmental impacts have occurred in Target Area 1 is classified as potential. Two surface soil samples will be collected from Target Area 1. Samples to be collected in Target Area 1 are listed in Table 6-29-1.

Parcel 30 Target Areas

Three parcel-specific target areas were identified for Parcel 30 as indicated below. Twenty-eight soil vapor samples and three subsurface Geoprobe soil samples will be collected from this parcel and analyzed for VOCs, SVOCs, TPH, and metals.

- Target Area 1 (Building 24, Hangar Bay 1): Within Hangar Bay 1, significant staining was noted where volatile organic compounds were used and may have subsequently migrated into subsurface soils. Target Area 1 covers approximately 13,000 square feet. The likelihood that environmental impacts have occurred within this target area is classified as suspect. Samples to be collected in Target Area 1 are listed on Table 6-30-1.

- Target Area 2 (Building 24, Hangar Bay 3): Within Hangar Bay 3, significant staining was noted where volatile organic compounds were used and may have subsequently migrated into subsurface soils. Target Area 2 covers approximately 6,000 square feet. The likelihood that environmental impacts have occurred within this target area is classified as suspect. Samples to be collected in Target Area 2 are listed on Table 6-30-1.

- Target Area 3 (Building 24, The Mixing Room): This area is of concern because of the storage, disposal, and use of potentially hazardous substances related to painting, mixing, and finishing activities. Volatile organic compounds are the primary compounds of concern. Target Area 3 covers approximately 2,500 square feet. The likelihood that environmental impacts have occurred within this target area is classified as potential. Samples to be collected in this Target Area 3 are listed on Table 6-30-1.

Parcel 32 Target Area

- Target Area 1 (Open Space Washdown Area): The open space in the aircraft washdown area will be sampled immediately surrounding the catch basin-oil/water separator. This area is defined as a target area because of the aircraft washdown activities that occur in this area, the defueling activity that was witnessed in May 1994, and the staining observed near the drain during the site inspection. Two subsurface GeoProbe soil samples will be collected and analyzed for TPH, SVOCs, and VOCs. Samples to be collected in Target Area 1 are listed in Table 6-32-1.

Parcel 34 Target Area

- Target Area 1 (Open Space): The open space located northeast of Building 266 will be sampled in the stained areas. This area has the potential to have been impacted because of the use and spillage of hydraulic fluid in this area and the historical use of Building 266 as a line maintenance shelter. Two surface soil samples will be collected and analyzed for TPH and metals. Samples to be collected in Target Area 1 are listed in Table 6-34-1.

Parcel 37 Target Areas

Seven parcel-specific target areas were identified for Parcel 37 as indicated below. A total of 13 surface soil samples and 14 GeoProbe soil samples will be collected from this parcel.

- Target Area 1 (Oil-Water Separator Pump and Drainage Area): Subsurface soil will be collected from two sides of the oil-water separator. Samples will be collected from a depth equal to the depth to the bottom of separator pit. A Geoprobe device will be used to collect to collect these samples. The soil in the drainage area leading west to the storm drain will be sampled in two places using a surface soil survey and a subsurface Geoprobe survey. The samples will be analyzed for TPH, pesticides, metals, VOCs, and SVOCs. This target area is approximately 3,600 square feet in size.

- Target Area 2 (Maintenance Shelter): This area will be sampled with a Geoprobe. The samples will be analyzed for metals, pesticides, SVOCs, and VOCs. This target area is approximately 600 square feet in size.

- Target Area 3 (Truck Parking Area): This area will be sampled with two subsurface Geoprobe soil samples located over the two areas of

darkest staining (staining must be representative of the general staining in this target area). The samples will be analyzed for metals, pesticides, SVOCs, and VOCs. This target area is approximately 4,500 square feet in size.

- Target Area 4 (Spill Area, West Side of Parcel 37): This area will be sampled with one subsurface Geoprobe soil sample and one surface soil sample located in the darkest stained areas. The samples will be analyzed for pesticides, metals, PCBs, SVOCs, VOCs, and TPH. This target area is approximately 40 square feet in size.

- Target Area 5 (Fueling Islands): Soils in the vicinity of the fueling islands may have been impacted by chemical releases from activities conducted at this parcel. Two surface soil samples and two subsurface Geoprobe soil samples will be collected from each of the two darkest stained areas of the fueling island. One subsurface Geoprobe soil sample and one surface soil sample will be collected in the darkest stained area between the fueling islands. Two surface soil samples and two subsurface Geoprobe soil samples will be collected from the south side of the islands where the pipes enter the ground. The samples will be analyzed for metals, TPH, SVOCs, VOCs, and pesticides. This target area is approximately 4,500 square feet in size.

- Target Area 6 (Hazardous Waste Accumulation Area): This area will be sampled with one subsurface Geoprobe soil sample and one surface soil sample in the darkest most representative stained area of the hazardous waste accumulation site. The samples will be analyzed for metals, TPH, SVOCs, VOCs, and pesticides. This target area is approximately 4,500 square feet in size.

- Target Area 7 (Parcel Perimeter, Grass and Dirt Areas): This area will be sampled with four surface soil surveys located in the most representative grass and soil areas. The samples will be analyzed for pesticides. This target area is approximately 780 square feet.

Parcel 192 Target Areas

Three parcel-specific target areas were identified for Parcel 192 as indicated below. A total of five surface soil samples and two subsurface GeoProbe soil samples will be collected from this parcel.

- Target Area 1 (Building 20): Regular lubrication of the sliding hangar doors in the northwest and southeast portions of Building 20 may have resulted in the release of petroleum products to soils in these areas. The northwest area will be sampled during

the screening phase, because this area should be representative of both areas. This area is less than 500 square feet in area, and the likelihood of environmental impacts having occurred in this target area is classified as potential. Samples to be collected in Target Area 1 are listed on Table 6-192-1.

- Target Area 2 (Building 20): The central hangar-helicopter parking area of Building 20 has the potential to have impacted soils and groundwater because of storage, disposal, and use of potentially hazardous substances including petroleum products and solvents related to aircraft maintenance activities. The total stained area within Target Area 2 is less that 200 square feet and is classified as having a potential likelihood of environmental impacts. Samples to be collected in Target Area 2 are listed on Table 6-192-1.

- Target Area 3 (Open Space): Soils in the aircraft washdown area have the potential to have been impacted by petroleum products and solvents during washdown activities. The total potential affected area within Target Area 3 is less that 200 square feet, and is classified as having a potential likelihood of environmental impacts. Samples to be collected in Target Area 3 are listed on Table 6-192-1.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in the zone-wide and parcel-specific target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3), soil vapor sampling (SOP 6), and subsurface GeoProbe soil sampling (SOP 14).

Table 6-Z6-1 summarizes screening-level sampling and analysis for the zone-wide target area. For the zone target area, a total of 65 soil vapor samples and 13 subsurface Geoprobe soil samples will be collected from the zone-wide locations shown on Figure 6-Z6-1. For the parcel-specific target areas, a total of 28 soil vapor samples, 22 surface soil samples, and 21 subsurface GeoProbe samples will be collected from the locations shown on Figure 6-Z6-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the zone areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-29

PARCEL 29 EVALUATION PLAN

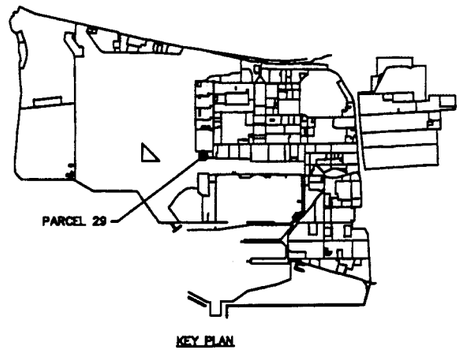
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 29 at NAS Alameda (Figure 6-29-1). The parcel, which is located in the central portion of the base, is approximately two acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One parcel-specific and no zone-wide target investigation areas (target areas) were identified for Parcel 29. Surface soil sampling will be used to accomplish the screening-level investigation in this target area. Table 6-29-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 29, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open space, and boundaries of Parcel 29, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies underground storage tanks and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 30, 31, 32, 33, 34, 35, 36, 37, 190, 191, 192, 193, and 204. This parcel zone has been designated the Western Hangar Zone (Zone 6). The Western Hangar Zone encompasses the parcels located west of Building 5 that are primarily used for aircraft maintenance and support activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 6.



KEY PLAN

GENERAL LEGEND

PARCEL OUTLINE

24 SURFACE SOIL SAMPLE & No.

1 TARGET AREA & No.

FUEL LINE LEGEND

FUEL LINES ABANDONED

SANITARY SEWER LINE LEGEND

18-25 SANITARY SEWER MANHOLE & No.

G.T. GREASE TRAP

SW SANITARY SEWER LINE

MATERIALS:

C.I. – CAST IRON

NOTES:

1. ALL SANITARY SEWERS ARE VITRIFIED CLAY PIPE UNLESS NOTED OTHERWISE.

STEAM & CONDENSATE LINE LEGEND

138 STEAM & CONDENSATE MANHOLE & No.

STEAM & CONDENSATE LINES

INDUSTRIAL WASTE LINE LEGEND

INDUSTRIAL WASTE MANHOLE

INDUSTRIAL WASTE LINE

STORM DRAIN LEGEND

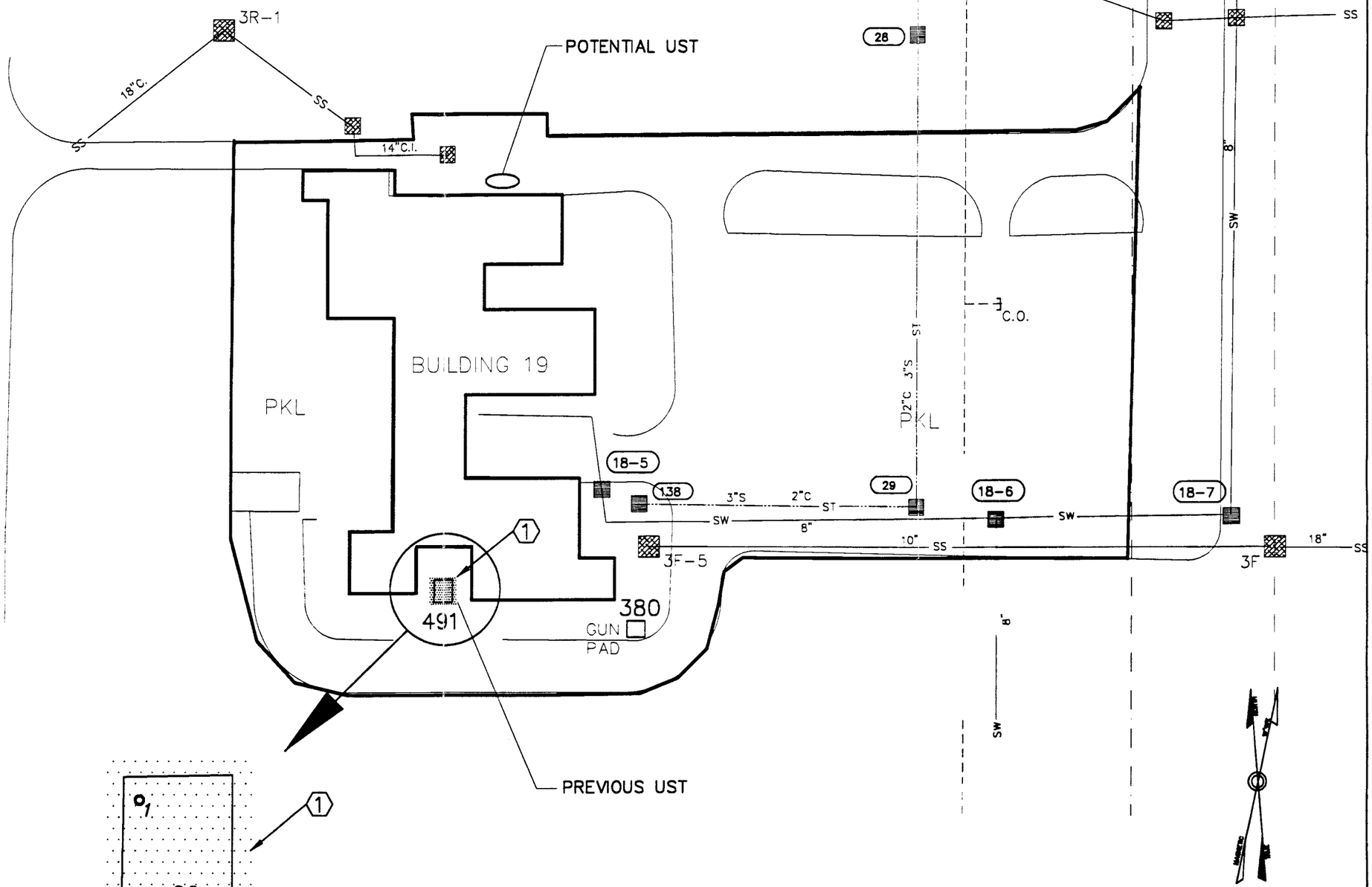
14A-5 MANHOLE & No.

CATCH BASIN

SS STORM SEWER LINE

MATERIALS:

R.C. – REINFORCED CONCRETE



SCALE IN FEET

60 0 60 120 180

1" = 60'

NAVAL AIR STATION, ALAMEDA

FIGURE 6-29-1
PARCEL 29
PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO.	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS:
19590029.DWG	PWC 17,829 (STORM DRAINS) PWC 108,728 (SANITARY SEWER) PWC 23,997 (INDUSTRIAL WASTES) HISTORIC DWGS IN EBS DATABASE (FUEL LINES)
SCALE AS NOTED	DATE: 2.10.95/2121.98.45 SHEET 1 OF 1

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Buildings 491 and 518) and one structure (Structure 380, Saluting Battery Gun Mount) cover less than one percent of the parcel. The remainder of the parcel area is open space. In general, the parcel open space is presently in use as a vehicle parking area for Building 19 (located on Parcel 193), while Buildings 491 and 518 serve as support facilities for Building 19. Underground fuel and sewer lines are present at this parcel and are shown on Figure 6-29-1.

Parcel 29 is located approximately 500 feet southwest of an Installation Restoration (IR) Program site (IR Site 5, Building 5). No previous investigations have been conducted at Parcel 29 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 491

Building 491 was constructed in 1961 and has been used to house an emergency generator for Building 19 (Figure 6-29-1). Building 491 is constructed of concrete, with a concrete floor and wood roof. This one-story building covers approximately 181 square feet and is in poor condition.

Utilities located within and immediately surrounding Building 491 include underground sanitary sewer, storm sewer, steam, fuel, and electrical lines. No permits appear to have been issued for this building.

Information collected during the EBS indicates that activities conducted within this building included the use and operation of an emergency diesel generator, including fueling and maintenance. It appears that Building 491 was built specifically for the emergency diesel generator and has always housed this generator. No other chemicals are documented to have been stored in Building 491.

TABLE 6-29-1

Summary of Recommended Samples
NAS Alameda Parcel 29

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
29-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lubrication oil, Diesel	TPH	Test Kit
29-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lubrication oil, Diesel	TPH	Test Kit
29-2-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Lubrication oil, Diesel	TPH	Modified EPA 8015

*This is the suggested location for the confirmation sample. The actual location will depend on field analytical results.

Although no spills are documented to have occurred on Parcel 29, staining observed during the site inspection indicates that spills may have occurred within Building 491. These stains are located on the concrete floor immediately beside and beneath the diesel generator and appear to consist of lubrication oil or diesel fuel. The quantity of material involved is unknown. The two dark, wet stains observed during the site inspection covered approximately 25 square feet and eight square feet, respectively. The smaller stain was located on the concrete secondary containment structure; site inspection photographs indicate that additional spillage may be present beneath the secondary containment. In addition to the observed staining, a strong diesel odor was noted during the building inspection.

Building 491 is not equipped with an HVAC system. No other incidents such as fires, mishaps, or flooding are documented to have occurred within or near Building 491.

Building 518

Building 518 was labeled as Building 518 on Navy facility maps; however, site inspection data indicate that the building corresponding to Building 518 on Parcel 29 (a former weather station) was not physically labeled as Building 518. This former weather station (located near the west side of Building 19) is believed to be Building 518. This one-story building covers approximately 144 square feet. The construction date of Building 518 is unknown. No chemicals are known to have been stored in this building, and no spills or stains are documented.

Open Space

The open space on Parcel 29 is used primarily as a vehicle parking area for Building 19. The ground surface of the open space is approximately 95 percent paved and five percent unpaved. Approximately 70 percent of the paved area is surfaced with asphalt and 30 percent is covered with concrete. The pavement is generally in good condition. The unpaved areas of the open space are covered with grass.

Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines. An oil-filled transformer is located near the southeast corner of Building 19. No permits appear to have been issued for processes occurring within this open space.

Structures located within the open space include a saluting battery gun mount (Structure 380) and three aboveground storage tanks (ASTs). The saluting battery gun mount, which was constructed in 1954, is located near the southeast corner of Building 19. This structure is constructed of concrete and covers approximately 50 square feet. The first aboveground storage tank provides diesel fuel to the emergency generator within Building 491 via underground fuel lines. This 500-gallon, double-walled tank is located within a 110-percent secondary containment structure. No staining was visible on the concrete beneath this tank during the site inspection. The second and third aboveground storage tanks, each with a capacity of approximately 40 gallons, are located between the 500-gallon AST and Building 19. These two tanks are mounted on a steel support structure and are no longer in use. The types of materials stored in these two tanks are unknown. No staining was noted beneath these tanks during the site inspection.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space on Parcel 29.

Underground Storage Tanks

One underground storage tank (Tank 491-1) was formerly present at Parcel 29. This 500-gallon tank was used to store gasoline. The installation date, removal date, and exact former location of Tank 491-1 are unknown. No information is available regarding the integrity of this tank upon removal. Soil and groundwater sampling have been proposed near the former location of this tank by ERM-West, Inc. in the Remedial Investigation of this UST being conducted under Contract No. N62474-92-D-3608, Delivery Order 009.

According to an anecdotal report, another UST may potentially be located near the north side of Building 19 (Parcel 193). There is no other evidence to support the presence of an underground tank in this area.

Parcel Boundary Conditions

Parcel 29 is bounded by Parcels 23, 193, 30, and 50. Activities of concern on adjacent parcels include aircraft painting and finishing on Parcel 30, which borders Parcel 29 to the north. First Street, Taxiway 4, and Taxiway 7 border Parcel 29 to the east, west, and south, respectively.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 29, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-29-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, and radiological concerns. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewers is discussed in corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 29 because no industrial buildings are present.

As noted earlier, Parcel 29 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for the landscaped areas of Parcel 29.

Once the data gaps in Table 6-29-2 are addressed and screening-level sampling results from the target area described below are compared to the appropriate screening levels, Parcel 29 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target area. No zone-wide target areas were identified for Parcel 29. This subsection of the PEP discusses the specific parcel target area. The nature and location of the parcel-specific target area were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Building 491): Based on the staining observed on the floor of Building 491, the soil beneath the concrete floor may have

TABLE 6-29-2

Summary of Data Gaps
NAS Alameda Parcel 29

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 29.
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) is located approximately 500 feet northeast of Parcel 29. Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Building 491, Emergency Diesel Generator.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• One UST (Tank 491-1) formerly existed at Parcel 29 and has been removed. According to an anecdotal report, another UST is potentially located near the north side of Building 19 (Parcel 193).

TABLE 6-29-2

Summary of Data Gaps
NAS Alameda Parcel 29

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, industrial, electrical, and water lines identified.
- Fuel Lines	• Underground fuel lines identified.
- Steam Lines	• Steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

been impacted by diesel fuel. This target area covers approximately 100 square feet. The likelihood that environmental impacts have occurred in Target Area 1 is classified as potential. Two surface soil samples will be collected from beneath the concrete floor of Building 491 and analyzed for TPH. The samples should be located near floor cracks and in areas with the most significant staining. Samples to be collected in Target Area 1 are listed in Table 6-29-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level investigation technique that will be used to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-29-1 summarizes the screening-level sampling and analysis recommended for this target area. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of the sampling program, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-30

PARCEL 30 EVALUATION PLAN

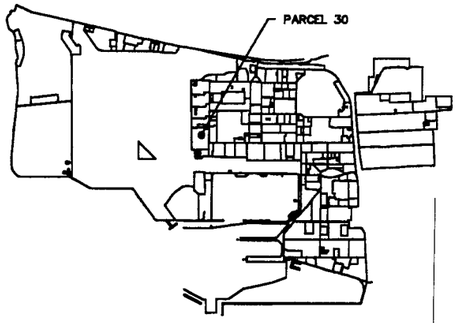
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 30 at NAS Alameda (Figure 6-30-1). The parcel, which is located in the west-central portion of the base, is approximately 11 acres in size and is roughly square in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. The parcel is approximately 11 acres in size and is roughly square in shape. Two RCRA sites (SWMU/GAP 5 and IWTP 24A) are located at this parcel. One zone-wide and three parcel-specific target investigation areas (target areas) were identified at Parcel 30. Soil vapor and subsurface Geoprobe soil sampling will be used to accomplish the screening-level investigation. Table 6-30-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 30, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 30 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies potential underground storage tanks and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 29, 31, 32, 33, 34, 35, 36, 37, 190, 191, 192, 193, and 204. This parcel zone has been designated the Western Hangar Zone. The Western Hangar Zone encompasses the parcels located west of Building 5 that are primarily used for aircraft maintenance and support activities. During the



KEY PLAN

GENERAL LEGEND

PARCEL OUTLINE

6 SOIL VAPOR SAMPLE & No.

GeoProbe SOIL SAMPLE

(1) TARGET AREA & No.

FUEL LINE LEGEND

FUEL LINES ABANDONED

SANITARY SEWER LINE LEGEND

(18-25) SANITARY SEWER MANHOLE & No.

G.T. GREASE TRAP

—SW— SANITARY SEWER LINE

MATERIALS:

C.I. – CAST IRON

NOTES:

1. ALL SANITARY SEWERS ARE VITRIFIED CLAY PIPE UNLESS NOTED OTHERWISE.

STEAM & CONDENSATE LINE LEGEND

(28) STEAM & CONDENSATE MANHOLE & No.

STEAM & CONDENSATE LINES

INDUSTRIAL WASTE LINE LEGEND

INDUSTRIAL WASTE MANHOLE

INDUSTRIAL WASTE LINE

STORM DRAIN LEGEND

14A-5 MANHOLE & No.

CATCH BASIN

—SS— STORM SEWER LINE

MATERIALS:

R.C. – REINFORCED CONCRETE

TAXIWAY NO. 4

FIRST ST.

BAY 1 (1)

BAY 2 (3)

BAY 3 (2)

24

24A

PAINT & FINISHING HANGER

FIRE PUMP STN

Z1 Z2 Z3 Z4 Z5 Z6 Z7 Z8 Z9 Z10 Z11 Z12 Z13 Z14 Z15 Z16 Z17 Z18 Z19 Z20 Z21

SCALE IN FEET

100 0 100 200 300

1" = 100'

NAVAL AIR STATION, ALAMEDA

FIGURE 6-30-1

PARCEL 30

PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO.	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS:
19590030.DWG	PWC 17,629 (STORM DRAINS) PWC 108,728 (SANITARY SEWER) PWC 23,997 (INDUSTRIAL WASTES) HISTORIC DWGS IN EBS DATABASE (FUEL LINES)
SCALE AS NOTED	DATE: 2.10.95/2121.96.45 — SHEET 1 OF 1

TABLE 6-30-1

Summary of Recommended Samples
NAS Alameda Parcel 30

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
30-1-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
30-2-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
30-2-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
30-3-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
30-4-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	Non-halogenated/ Halogenated Org.	VOCs	GC
30-4-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
30-5-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	Non-halogenated/ Halogenated Org.	VOCs	GC
30-6-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 3	Non-halogenated/ Halogenated Org.	VOCs	GC
30-7-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 3	Non-halogenated/ Halogenated Org.	VOCs	GC
30-7-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 3	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-1-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-2-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC

TABLE 6-30-1

Summary of Recommended Samples
NAS Alameda Parcel 30

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z6-3-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-3-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Zone 06 Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-4-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-5-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-6-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-6-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Zone 06 Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-7-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-8-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-9-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-9-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Zone 06 Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-10-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-11-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC

TABLE 6-30-1

Summary of Recommended Samples
NAS Alameda Parcel 30

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z6-12-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-13-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-14-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-15-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-16-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-17-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-18-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-18-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Zone 06 Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-19-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-20-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-21-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC

sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 6.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundaries was completely filled as of 1941. The ground level and grading have not changed significantly since that time.

Currently, two buildings (Buildings 24 and 24A) and one structure (Fire Pump Station) cover approximately 15 percent of the parcel. The remaining 85 percent is open space. The parcel area is presently in use as an aircraft maintenance and paint finishing hangar. Fuel and sewer lines are present at this parcel and are shown in Figure 6-30-1.

Parcel 30 is located approximately 300 feet west of an Installation Restoration (IR) Program site (IR Site 5, Building 5). Although previous investigations have been conducted near Parcel 30, specific data regarding potential chemical occurrence at Parcel 30 are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Potential environmental or industrial hygiene concerns within the open space and buildings are described in detail below.

Building 24

Building 24 was constructed in 1990 and serves as a paint and finishing hangar (Figure 6-30-1). This one-story building is approximately 250 feet wide by 375 feet long and is in good condition. Building 24 is constructed of steel, with metal siding, a concrete floor, and an asphalt-coated, steel-framed roof. The concrete floor, which is reported to be built on a five-foot to six-foot thick concrete slab, may have been damaged during the 1989 Loma Prieta earthquake while the building was under construction. It is unclear whether the report of earthquake damage refers to the floor or the slab. Building 24 contains three paint hangars and has large hangar doors on its east and west sides. The space occupied by Building 24 was formerly open space used for aircraft and vehicle parking and maneuvering.

Utilities located within and immediately surrounding Building 24 include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines. An air quality permit was issued for this building in 1993 for the paint sprayer, solvent cleaning process, furnaces, water heater, boiler, conversion coating process, and solvent recovery process.

Information collected during the EBS indicates that the following activities are conducted within Building 24: aircraft washing; paint and primer spraying, mixing, and storage; solvent storage and use; and storage and use of adhesives, detergents, alcohol, and sealers. Painting, mixing, and finishing processes, which involve preparation of paint surfaces, spray painting (including primers), and sealing of surfaces, are conducted in the three hangar areas. The majority of the paints, primers, sealers, and other chemicals are stored and mixed in the "mixing" room, which is located in the east-central portion of the building. Painting processes are currently ongoing in Building 24. Painting processes typically create paint skins, metals (from surface preparation), used solvents, and wastewater.

According to Building 24's chemical inventory, a maximum quantity of 32,000 gallons of paint, non-halogenated organic compounds, corrosives, and metals may be stored at this building. The chemical inventory also includes small amounts of primers, topcoat, adhesives, alcohols, paint thinners, conductive coatings, dry lubricants, acetone, solvents, detergents, enamel spray cans, acrylic, and lacquer paint. Solvent and detergent tanks, ranging in capacity from 100 to 200 gallons, are suspended from the ceiling of the mixing room. These tanks are filled by a vacuum pump from 55-gallon drums. Minor stains were located on the floor in the filling area during the site inspection. An aboveground tank, with a capacity of 500 pounds, stores oxygen for respirators that are used in the painting bays. A solvent still for recycling solvents is located in Hangar Bay 1. Chemicals are stored in the mixing room and flammable safety storage cabinets. Chemicals are mixed in the mixing room and transported to paint bays in closed containers. The mixing room floor is covered with aluminum foil to contain spills. Used foil and empty containers are disposed of in the hazardous waste accumulation area located in the mixing room. The wastes are stored on pallets covered with aluminum sheeting. This hazardous waste accumulation area is managed by the Public Works Center (PWC). Aircraft washing, sealing, and coating activities conducted within Building 24 generate wastewater. This wastewater drains to floor trenches. From there, it is pumped to the Industrial Wastewater Treatment Plant (IWTP) in Building 24A.

Although no records of spills were found during the site history review, staining observed in historical aerial photographs and during the site inspection indicate that undocumented spills may have occurred over approximately 70 percent of Hangar Bay 1 (135 feet by 155 feet) and over approximately 40 percent of Hangar Bay 3 (95 feet by 135 feet). Prior to the construction of Building 24, the area that is now occupied by Building 24 was significantly stained in historical aerial photographs. The largest and darkest stains are located in areas that appear to correspond to aircraft parking locations. The source of the staining in these areas is unknown. Staining was also noted in the tank filling area of the mixing room during the site inspection. The most likely sources of staining are the chemicals stored in the suspended tanks (i.e., solvents, ethyl acetate, acetone, and/or detergent).

Building 24 is equipped with a heating-ventilation-air conditioning (HVAC) system designed to mitigate vapor and fume accumulation to Occupational Safety and Health Administration (OSHA) acceptable levels. An extensive system of ventilation components is located within Building 24. No significant accumulation of dusts on interior building surfaces was noted during the site inspection. Because it was constructed in 1990, Building 24 is not likely to contain lead-based paint, asbestos-containing materials, or PCB-containing transformers.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within Building 24.

Building 24A

Building 24A was constructed in 1991 and serves as the IWTP for Building 24. Constructed as an annex to Building 24 in 1991, Building 24A is approximately 30 feet wide by 40 feet long, constructed of steel, with a corrugated metal roof, corrugated metal walls, and a concrete floor. A roll-up door is located on the north side of the building.

Wastewater treatment chemicals are stored in Building 24A. Two 5,000-gallon metal hazardous waste storage tanks, with two carbon filter chambers, are located at the south side of Building 24A. These tanks are located within secondary containment. Other chemical storage in Building 24A includes two 500-gallon capacity carbon units, 200 gallons of magnesium, 300 gallons of sulfuric acid, 300 gallons of polymers, and 200 pounds of lime. These chemicals are stored in plastic drums and are used to treat liquid waste from Building 24. The sludge produced by the treatment process is sent to a filter press where it is drummed and/or stored in a metal bin. The sludge reportedly has

elevated levels of chromium. Liquid wastewater is pretreated and then discharged into the sanitary sewer. One effluent permit exceedence for elevated zinc levels occurred in 1992. A strong, concentrated odor was noted in Building 24A during the site inspection. A gravity ventilator system is located on the roof of Building 24A.

No records of spills were found during the site history review. No other incidents such as fires, mishaps, or flooding are documented to have occurred within Building 24A.

Open Space

Open space covers approximately 85 percent of Parcel 30. In general, the open space is and has been used for aircraft and vehicle parking and maneuvering. The ground surface is completely paved with concrete and is generally in good condition, although there are cracks in the concrete throughout the open space. Some of the cracks are severe and appear to be associated with differential settlement.

One structure (Fire Pump Station) is located within the open space. The Fire Pump Station, which was constructed in conjunction with Building 24, is located south of Building 24. The structure is 25 feet wide by 55 feet long, and is constructed of steel with metal siding and a concrete floor. No chemical storage is known to occur within the pump station.

Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines.

EBS information indicates that activities conducted within this open space include vehicle and aircraft maneuvering, parking, and taxiing. According to site inspection data, widespread, scattered staining associated with vehicle parking was present throughout the open space.

Although no chemicals are documented to have been stored or used in the open space, seven 55-gallon drums of JP-5 located on pallets were noted during the site inspection. This area does not appear to be a normal fuel storage area. There were some empty drums stored on crates in steel trailers southeast of Building 24, and three weapons trailer bases were located in the same area. Four large dumpsters for storage and collection of hazardous wastes were located northeast of Building 24.

Although an extensive network of storm drains exists on Parcel 30 to collect runoff, storm drains in the south and southeast portions of the parcel were backed up the day of the visual inspection. Some staining around the storm drains was noted.

No spills have been documented on Parcel 30; however, two large stained areas were noted during the site inspection. One stain, located in the northeast corner of the parcel, measured approximately 8 feet wide by 40 feet long. The second stain, located in the north central portion of the parcel, covered approximately 1,000 square feet of both Parcel 30 and Parcel 31, and appeared to consist of heavy oil. The stained areas appear to be the result of leakage from parked aircraft and vehicles.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

Flush grade valves and pump ports observed during the site inspection indicate that two underground storage tanks may exist in the northeast portion of the parcel. There is no other evidence to support the presence of underground tanks in this area.

Parcel Boundary Conditions

Parcel 30 is bounded by Parcels 23, 190, 31, 20, 49, 50, 29 and 193. Environmental concerns exist at Parcels 31, 190, and 49. On Parcels 31 and 190, a leak in the fuel lines to Building 23 reportedly resulted in extensive soil excavation in 1941. Hazardous materials storage and abandoned fuel lines located on Parcel 49 may have impacted Parcel 30.

RCRA Sites

This subsection identifies RCRA sites on this parcel and the requirements associated with these sites, consistent with the objectives described in Section 1 of the Shell Workplan. Two RCRA sites (SWMU/GAP 5 in Building 24 and the RCRA Part B permitted IWTP in Building 24A) are located at this parcel. These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, both RCRA sites require further investigation. The IWTP at Building 24A is listed in the RCRA Part B Permit and must be investigated under the IR Program at NAS

Alameda. The requirements for the RFI are described in detail in Section 8. A brief description of the two RCRA sites is provided below. The sampling proposed for these sites is described in the Target Areas and Compounds of Concern subsection.

SWMU/GAP 5 is located in the mixing room of Building 24 and is currently active. Site SWMU/GAP 5 consists of 55-gallon drums and aerosol cans. The chemicals of concern associated with this site include paint, primers, alcohol, acetone, and aerosol paint. The SWMU/GAP 5 site has not had any known releases. This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, this site does not require any sampling. However, SWMU/GAP 5 is being evaluated as a part of the target area located in the Building 24 mixing room.

The RCRA Part B permitted IWTP in Building 24A is used to treat liquid wastes that are generated during aircraft surface preparation and subsequent painting operations in Building 24. This site is currently being investigated and remediated as part of the IR Program.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 30, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-30-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: underground storage tanks, industrial hygiene concerns, and radiological concerns. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewers is discussed in corresponding protocols presented in Section 3.

Historical aerial photographs indicate that Parcel 30 has been completely paved since at least 1947. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for

TABLE 6-30-2

Summary of Data Gaps
NAS Alameda Parcel 30

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance). Building 24A is subject to a RCRA closure plan.
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) is located approximately 300 feet east of Parcel 30. Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Open Space, Aircraft Maintenance and Fueling Areas.
Potential Parcel-Specific Release Areas	• Building 24, Hangar Bay 1. • Building 24, Hangar Bay 3. • Building 24, Mixing Room.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

TABLE 6-30-2

Summary of Data Gaps
NAS Alameda Parcel 30

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• Two USTs are *potentially* located in the open space. Flush grade valves and pump ports observed during the site inspection indicate that two underground storage tanks may exist in the northeast portion of Parcel 30.
Underground Utilities	• Storm sewer, sanitary sewer, industrial sewer, electrical, and water lines identified.
- Fuel Lines	• Underground fuel lines identified.
- Steam Lines	• Steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

pesticides. Therefore, no pesticide sampling has been proposed for Parcel 30.

No Industrial Hygiene (IH) sampling is required for Building 24A, a RCRA Part B Permitted Facility, because this facility will be closed in accordance with its RCRA Closure Plan. Although no IH sampling is specified in this PEP, IH issues are potentially of concern in Building 24. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-30-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 30 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

One zone-wide target area and three parcel-specific target areas were identified at Parcel 30. This subsection of the PEP discusses specific parcel target areas. The nature and locations of these areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The three parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-30-2.

- Target Area 1 (Building 24, Hangar Bay 1): Within Hangar Bay 1, significant staining was noted where volatile organic compounds were used and may have subsequently migrated into subsurface soils. Target Area 1 covers approximately 13,000 square feet. The likelihood that environmental impacts have occurred within this target area is classified as suspect. Samples to be collected in Target Area 1 are listed on Table 6-30-1.

- Target Area 2 (Building 24, Hangar Bay 3): Within Hangar Bay 3, significant staining was noted where volatile organic compounds were used and may have subsequently migrated into subsurface soils. Target Area 2 covers approximately 6,000 square feet. The likelihood that environmental impacts have occurred within this target area is classified as suspect. Samples to be collected in Target Area 2 are listed on Table 6-30-1.

- Target Area 3 (Building 24, The Mixing Room-GAP Site 5): This area is of concern because of the storage, disposal, and use of

potentially hazardous substances related to painting, mixing, and finishing activities. Volatile organic compounds are the primary compounds of concern. Target Area 3 covers approximately 2,500 square feet. The likelihood that environmental impacts have occurred within this target area is classified as potential. Samples to be collected in this Target Area 3 are listed on Table 6-30-1.

- Zone 6 Target Area 1 (Open Space Aircraft Maintenance and Fueling Areas): This target area includes the open space of Parcels 30, 31, 32, 33, 34, 35, 190, 191, and 192 within the Western Hangar Zone. The aerial extent of this target area is defined by the widespread staining observed in historical aerial photographs as a result of the aircraft fueling and maintenance activities conducted in this area. The largest and heaviest stains corresponded to aircraft parking locations and the borders of hangar buildings. Sixty-five soil vapor and 13 subsurface Geoprobe soil samples will be collected in Zone 6 to assess potential releases of VOCs, SVOCs, TPH, and metals to subsurface soil via cracks in the concrete. This target area has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-Z6-1. The approximate sampling locations shown on Figure 6-Z6-1 correspond to areas observed to be significantly stained based on historical aerial photograph review or site inspection information.

In addition, concerns pertaining to underground lines, radiological issues, PCBs, impacts of IR Site 5, and USTs must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Screening-Level Investigation

Soil vapor sampling (SOP 6) and subsurface Geoprobe soil sampling (SOP 14) are the screening-level investigation techniques that will be used to assess conditions in the target areas and to identify areas that require further sampling in the follow-up detailed evaluation phase. Table 6-30-1 summarizes the screening-level sampling and analysis for the parcel's target areas. Twenty-eight soil vapor samples will be collected from the target areas. Twenty-one of the 65 soil vapor samples and four of the 13 subsurface Geoprobe soil samples in the zone-wide target area will be collected from this parcel. Minor adjustments in the sample locations may be made in the field based on visual observations and accessibility. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

It should be noted that one boring will be drilled in the hangar floor to determine the thickness of the concrete (as described above, the concrete reportedly may be up to six feet thick); once the thickness of the concrete is known, the most appropriate course of action may be determined. The samples and locations presented within this PEP are based on the assumption that the maximum realistic thickness of the concrete pad is three feet.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: chip sampling (SOP 18), and HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-31

PARCEL 31 EVALUATION PLAN

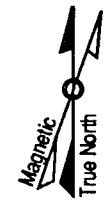
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 31 at NAS Alameda (Figure 6-31-1). The parcel, which is located in the central portion of the base, is less than one acre in size and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One zone-wide and no parcel-specific target investigation areas (target areas) were identified at Parcel 31. Soil vapor and subsurface Geoprobe soil sampling will be used to accomplish the screening-level investigation. Table 6-31-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 31, historical activities are discussed below.

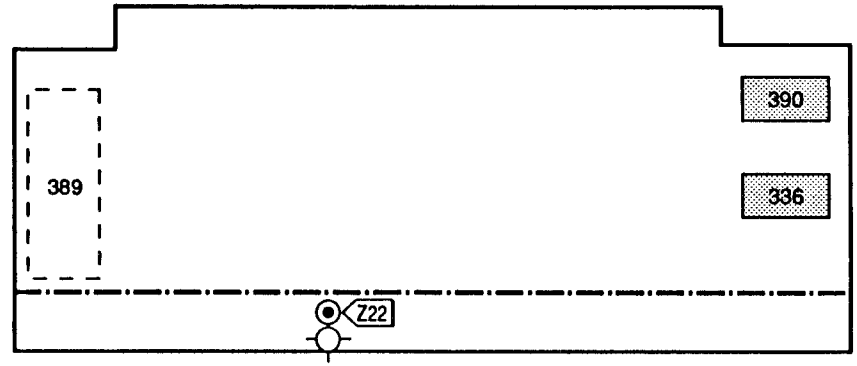
Background and Historical Activities

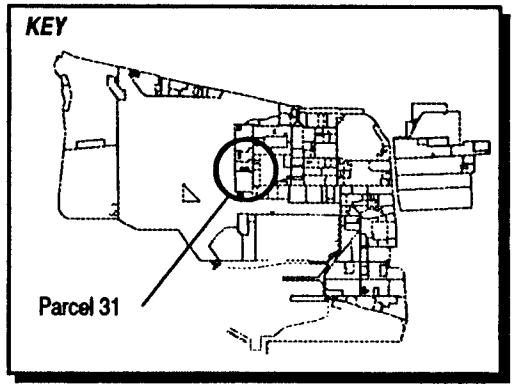
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 31, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies areas of concern.

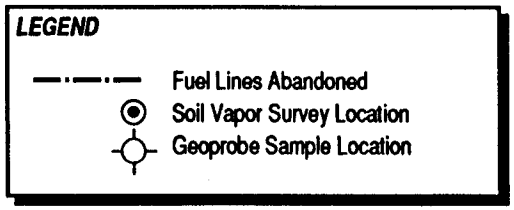
Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 29, 30, 32, 33, 34, 35, 36, 37, 190, 191, 192, 193, and 204. This parcel zone has been designated the Western Hangar Zone (Zone 6). The Western Hangar Zone encompasses the parcels that are primarily used for aircraft maintenance and support activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and









1"= 60'

Figure 6-31-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/PAC/07.11.94

TABLE 6-31-1

Summary of Recommended Samples
NAS Alameda Parcel 31

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z6-22-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non halogenated/ Halogenated Org.	VOCs	GC
Z6-22-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Zone 06 Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS

potential zone-wide concerns are described in the Zone Analysis Plan for Zone 6.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Buildings 390 and 336) cover approximately five percent of the parcel. One building, Building 389, was formerly located on the parcel but has since been demolished. The remaining 95 percent is open space. The parcel is presently in use as an entrance apron for Building 23 and as a parking area. Underground fuel and sewer lines are present at this parcel and are shown in Figure 6-31-1.

Parcel 31 is located approximately 400 feet west of an Installation Restoration (IR) Program site (IR Site 5, Building 5). No previous investigations have been conducted at Parcel 31 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 336

Building 336 was constructed in 1948 and serves as a storage area and workshop (Figure 6-31-1). This one-story building covers approximately 400 square feet and is in moderately good condition. Building 336 is constructed of corrugated steel with a concrete floor. This building appeared abandoned and not in use during the site inspection. According to EBS information, this building has been authorized for demolition.

Utilities located within and immediately surrounding Building 336 (including those on adjacent parcels) include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines. Steam lines also serve the building and may be of sufficient age as to be composed of or insulated with asbestos-containing materials. No permits appear to have been issued for this building.

No chemicals are documented to have been stored in Building 336, nor was any chemical storage noted in the building during the site inspection. The only staining noted during the site inspection was paint overspray on the floor inside the building and outside the building on the west side. This building is not equipped with an HVAC system. No other incidents such as fires, mishaps, or flooding are documented to have occurred within Building 336.

Building 390

Building 390 is a Quonset Hut that was constructed in 1953 and has historically served as a storage area for aircraft lines and corrosion control material (Figure 6-31-1). Chemicals, aircraft parts, and furniture were stored in this building during the site inspection. This one-story building covers approximately 475 square feet and is in fair condition. Building 390 is constructed of corrugated metal with a concrete floor. According to EBS information, this building has been authorized for demolition.

Utilities located within and immediately surrounding Building 390 (including those on adjacent parcels) include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines. No permits appear to have been issued for this building. Information collected during the EBS indicates that activities conducted within this building include storage of chemicals, furniture, and aircraft parts.

Less than 30 gallons of paint thinner and less than 10 gallons of isopropyl alcohol are documented to have been stored in Building 390. No spills or staining were noted during the EBS review or the site inspection, except for paint overspray staining on the walls of the building. A collection area for old cans, including used containers of paint thinner and isopropyl alcohol, is located within Building 390. The containers in the collection area are reportedly picked up every three to four months by GAP personnel. Building 390 is not equipped with a heating-ventilation-air conditioning (HVAC) system.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within or near Building 390.

Former Building 389

Former Building 389 was an abandoned trailer-type structure that was used as an office by the Field Services Division. Aerial photographs indicate that Building 389 was placed on Parcel 31 between 1985 and

1990. This one-story building covered approximately 1,000 square feet and was constructed of wood. This building appeared abandoned and not in use during the site inspection, but has since been demolished.

Utilities located within and immediately surrounding former Building 389 include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines. No permits appear to have been issued for this building.

No chemicals are documented to have been stored or used in former Building 389. No spills were noted during the document review, and no staining was noted during the site inspection. No other incidents such as fires, mishaps, or flooding are documented to have occurred within former Building 389.

Open Space

Open space covers approximately 95 percent of Parcel 31. In general, the open space is used as a parking area and as an entrance apron for Building 23. The ground surface is completely paved with concrete. The pavement is generally in good condition, with minor cracks. No structures are located within the open space.

Utilities located within and immediately surrounding the open space on Parcel 31 (including those on adjacent parcels) include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines. No permits appear to have been issued for processes occurring within this open space.

EBS information indicates that a small area south of Building 390 is used for chemical and hazardous materials storage. No staining was noted in the vicinity of the storage area during the site inspection. Staining that appeared to originate from the northern portion of Parcel 30 was noted along the south edge of Parcel 31. The staining was approximately 40 feet long by 10 feet wide. The stain appears to be the result of leakage from parked aircraft or vehicles.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space on Parcel 31.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated

that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 31 is bounded by Parcels 30 and 190. Activities of concern on these adjacent parcels include aircraft maintenance, washdown, painting, finishing, and, historically, fueling.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 31, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-31-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, industrial hygiene concerns, and radiological concerns. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewers is discussed in corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 31 because no industrial buildings are present.

Historical aerial photographs indicate that Parcel 31 has been completely paved since at least 1947. Based on current EPA/Cal-EPA policy, landscaped that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 31.

Once the data gaps in Table 6-31-2 are addressed and screening-level sampling results from the target area described below are compared to the appropriate screening levels, Parcel 31 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-31-2

Summary of Data Gaps
NAS Alameda Parcel 31

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) is located approximately 400 feet east of Parcel 31. Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Open Space, Aircraft Maintenance and Support Area.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-31-2

Summary of Data Gaps
NAS Alameda Parcel 31

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, industrial sewer, electrical, and water lines identified.
- Fuel Lines	• Underground fuel lines identified.
- Steam Lines	• Steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

One zone-wide target area was identified for Parcel 31. No parcel-specific target areas were identified for this parcel. This subsection of the PEP provides an overview of the zone-wide target area. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 6. The nature and location of the zone-wide target area were evaluated to determine field investigation and sampling strategies.

- Zone 6 Target Area 1 (Open Space Aircraft Maintenance and Fueling Areas): This target area includes the open space of Parcels 30, 31, 32, 33, 34, 35, 190, 191, and 192 within the Western Hangar Zone. The aerial extent of this target area is defined by the widespread staining observed in historical aerial photographs as a result of the aircraft fueling and maintenance activities conducted in this area. The largest and heaviest stains corresponded to aircraft parking locations and the borders of hangar buildings. Sixty-five soil vapor samples and 13 subsurface Geoprobe soil samples will be collected in Zone 6 to assess potential releases of VOCs to subsurface soil via cracks in the concrete. This target area has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-Z6-1. The approximate sampling locations shown on Figure 6-Z6-1 correspond to areas observed to be significantly stained based on historical aerial photograph review or site inspection information.

In addition, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological concerns, and the impacts of IR Site 5 must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Screening-Level Investigation

Soil vapor sampling (SOP 6) and subsurface Geoprobe soil sampling (SOP 14) are the screening-level investigation techniques that will be used to assess conditions in the zone-wide target area and to identify any areas that require further sampling in the follow-up detailed evaluation phase. One of the 65 soil vapor samples and one of the 13 subsurface Geoprobe soil samples proposed for the zone-wide target area will be collected in this parcel. Table 6-31-1 summarizes screening-level sampling and analysis for the target area. The sample location is shown on Figure 6-31-1. Sampling will be conducted in accordance

with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: surface soil sampling (SOP 3), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-32

PARCEL 32 EVALUATION PLAN

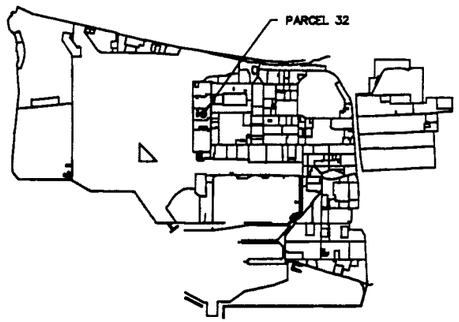
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 32 at NAS Alameda (Figure 6-32-1). The parcel, which is located in the west-central portion of the base, is approximately seven acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. One RCRA site is located at this parcel; however, this site does not require a RCRA Facility Investigation (RFI). One parcel-specific and one zone-wide target investigation area (target area) were identified at Parcel 32. Sampling procedures called for in the screening-level investigation in these areas include soil vapor sampling and subsurface Geoprobe sampling. Table 6-32-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 32, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 32, consistent with objective 1 identified in Section 1 of the Shell Workplan. This subsection also identifies areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 29, 30, 31, 33, 34, 35, 36, 37, 190, 191, 192, 193, and 204. This parcel zone has been designated the Western Hangar Zone (Zone 6). The Western Hangar Zone encompasses the parcels that are primarily used for aircraft maintenance and support activities. During the sampling program development, the parcels located in this zone were evaluated together.



KEY PLAN

GENERAL LEGEND

PARCEL OUTLINE

SOIL VAPOR SAMPLE & No.

SUBSURFACE GeoProbe SOIL SAMPLE & No.

TARGET AREA & No.

FUEL LINE LEGEND

FUEL LINES ABANDONED

SANITARY SEWER LINE LEGEND

SANITARY SEWER MANHOLE & No.

GREASE TRAP

SANITARY SEWER LINE

MATERIALS:

C.I. – CAST IRON

NOTES:

1. ALL SANITARY SEWERS ARE VITRIFIED CLAY PIPE UNLESS NOTED OTHERWISE.

STEAM & CONDENSATE LINE LEGEND

STEAM & CONDENSATE MANHOLE & No.

STEAM & CONDENSATE LINE

INDUSTRIAL WASTE LINE LEGEND

INDUSTRIAL WASTE MANHOLE

INDUSTRIAL WASTE LINE

STORM DRAIN LEGEND

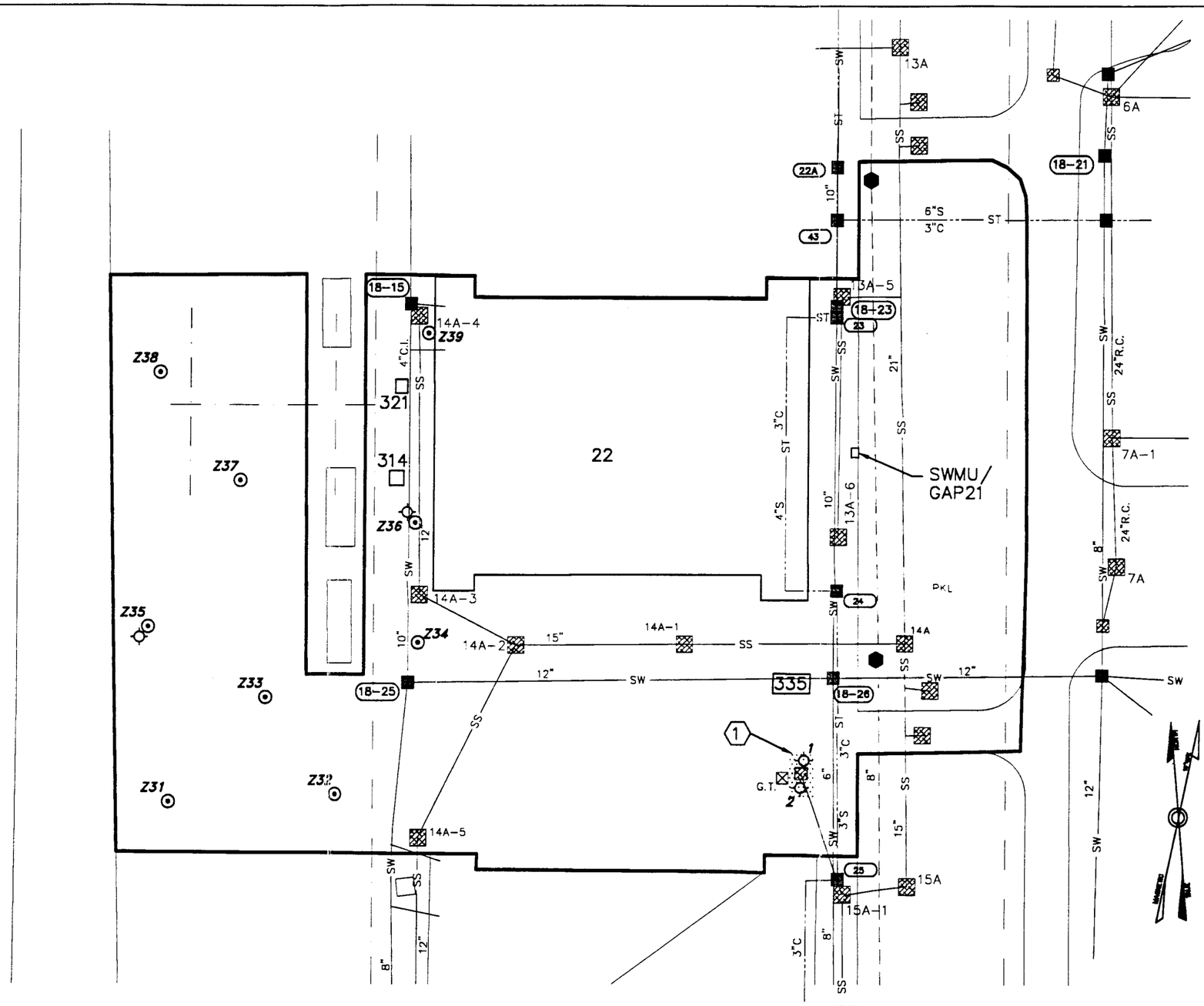
MANHOLE & No.

CATCH BASIN

STORM SEWER LINE

MATERIALS:

R.C. – REINFORCED CONCRETE



SCALE IN FEET

80 0 80 160 240

1" = 80'

NAVAL AIR STATION, ALAMEDA

FIGURE 6-32-1
PARCEL 32
PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO.	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS:
19590032.DWG	PWC 17,629 (STORM DRAINS) PWC 108,728 (SANITARY SEWER) PWC 23,997 (INDUSTRIAL WASTES) HISTORIC DWGS IN EBS DATABASE (FUEL LINES)
SCALE AS NOTED	DATE: 2.10.95/2121.96.45 — SHEET 1 OF 1

TABLE 6-32-1

Summary of Recommended Samples
NAS Alameda Parcel 32

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
32-1-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Oils, Solvents, SVOCs	TPH, VOCs, SVOCs	Modified EPA 8015, CLP RAS
32-2-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Oils, Solvents, SVOCs	TPH, VOCs, SVOCs	Modified EPA 8015, CLP RAS
Z6-31-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated / Halogenated Org.	VOCs	GC
Z6-32-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated / Halogenated Org.	VOCs	GC
Z6-33-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated / Halogenated Org.	VOCs	GC
Z6-34-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated / Halogenated Org.	VOCs	GC
Z6-35-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated / Halogenated Org.	VOCs	GC
Z6-35-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Zone 06 Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-36-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated / Halogenated Org.	VOCs	GC
Z6-36-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Zone 06 Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-37-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated / Halogenated Org.	VOCs	GC
Z6-38-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated / Halogenated Org.	VOCs	GC
Z6-39-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated / Halogenated Org.	VOCs	GC

Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 6.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1941; the ground level and grading have not changed significantly since that time.

Currently, four buildings (Buildings 22, 321, 335, and 314) cover approximately 30 percent of the parcel. The remaining 70 percent is open space. The parcel area is presently in use for aircraft maintenance, washdown, and support. No other buildings or structures were formerly located on this parcel. Underground fuel and sewer lines present at this parcel are shown in Figure 6-32-1.

Parcel 32 is located approximately 500 feet west of an Installation Restoration (IR) Program site (IR Site 5, Building 5). No previous investigations have been conducted at Parcel 32 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 22

Building 22 was constructed in 1941 and has since served as an aircraft maintenance hangar (Figure 6-32-1). Helicopters, offices, and a metal shop are located in Building 22. This one-story building has two floors of loft office space on the east and west end. It is constructed of a steel frame, with concrete walls, a concrete floor, and a steel-frame built-up roof. Building 22 covers approximately 66,000 square feet (approximately 260 feet long by 230 feet wide) and is in moderate condition.

Utilities located within and immediately surrounding Building 22 include underground sanitary sewer, storm sewer, steam, water, electricity, abandoned fuel, and industrial sewer lines. No permits appear to have been issued for this building.

Information collected during the EBS indicates that activities conducted within this building include light aircraft maintenance. Light aircraft maintenance typically involves oil changes, minor repairs, and the replacement of worn equipment, such as tires. These maintenance activities, which are believed to have been conducted in most areas of the building, typically involve chemicals, including solvents and petroleum products (especially lubricating oils), and the generation of waste products such as waste oils. These activities and related chemical use and storage have occurred within Building 22 since it was constructed in 1941.

Less than ten gallons of solvents, five gallons of non-halogenated organic compounds, and 10 cans of spray paint were stored in Building 22 at the time of the building inspection. A review of EBS information indicates that a maximum of 2,500 gallons of non-halogenated organic compounds, halogenated organic compounds, petroleum products, paint, metals, and corrosives have been stored in Building 22.

Small stains (less than ten square feet each) were noted in the metal shop and boiler room. The floors in both of these rooms were heavily cracked and in poor condition. The floor in the hangar area, which was in fair condition during the site inspection, is reportedly cleaned one to two times per week.

Building 22 is not equipped with an HVAC system. Dusty conditions were noted in the building during the site inspection. Wall deterioration was also noted in the northeast portion of the building. No other incidents such as fires, mishaps, or flooding are documented to have occurred within Building 22.

Building 321

Building 321 was constructed in 1942 and served as a hazardous/flammable materials storage area (Figure 6-32-1). This building is currently used to store old files and paper products. The types of hazardous/flammable materials that were formerly stored in this building are unknown. This one-story building covers approximately 110 square feet and is in moderately good condition. The walls, floor, and roof of Building 321 are constructed of concrete.

Utilities located within and immediately surrounding Building 321 include underground sanitary sewer, storm sewer, water, electrical, and abandoned fuel lines. No permits appear to have been issued for this building. No spills or staining were noted during the building inspection. Building 321 is not equipped with an HVAC system.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within Building 321.

Building 335

Building 335 was constructed in 1948 and served as a hazardous/flammable materials storage area (Figure 6-32-1). Old office furniture, old gymnasium lockers, and tables were stored in this building during the site inspection. Building 335 is a corrugated-metal Quonset hut with a concrete floor. This one-story building covers approximately 400 square feet and is in moderately good condition.

Utilities located within and immediately surrounding Building 335 include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines. No permits appear to have been issued for this building.

The types of hazardous and/or flammable materials that were historically stored in Building 335 are unknown. No floor stains were noted during the site inspection. Building 335 is not equipped with an HVAC system. No other incidents such as fires, mishaps, or flooding are documented to have occurred within or near Building 335.

Building 314

Building 314 was constructed in 1942 and served as a small arms/pyrotechnic magazine (Figure 6-32-1). This building was empty during the site inspection. Building 314 is also reported to have been used for hazardous materials storage. The types of hazardous materials are unknown. This one-story building covers approximately 100 square feet and is in moderately good condition. The walls, floor, and roof of Building 314 are constructed of concrete. No stains were noted on the concrete floor during the site inspection.

Utilities located within and immediately surrounding Building 314 include underground sanitary sewer, storm sewer, steam, water, electrical, and abandoned fuel lines. No permits appear to have been issued for this building. Building 314 is not equipped with an HVAC system.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within or near Building 314.

Open Space

Open space covers approximately 70 percent of Parcel 32. The ground surface of the open space is completely paved. Approximately 40 percent of the paved area is surfaced with asphalt and the remaining 60 percent is paved with concrete. The pavement is in good condition. In general, the eastern half of the parcel is used for vehicle parking, while the western portion is used for the storage of materials lockers.

Structures located within the open space include a landscape shack on the east side of Building 22, an ordnance cleaning locker southeast of Building 22, and the materials storage lockers in the western portion of the parcel. The construction or placement dates of these structures are unknown.

Utilities located within and immediately surrounding the open space on Parcel 32 include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines. No permits appear to have been issued for processes occurring within this open space.

According to EBS information, aircraft and equipment washdown occurs in the southeast portion of the open space, near the northeast corner of Building 23. Wastewater treatment and/or disposal methods are unknown. During the site inspection, staining was noted around a drain in the washdown area. During a visit to another site in May 1994, an ERM-West representative witnessed an aircraft being defueled in the aircraft washdown area.

Extensive staining was noted in aerial photographs dated 1947 through 1966. The staining was primarily located west of Building 22, where aircraft maintenance, fueling, and support activities occurred. Minor staining was noted in this area during the site inspection.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space on Parcel 32.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 32 is bounded by Parcels 191, 33, 23, 190, 46, and 45. Activities of concern on Parcels 191, 33, and 190 include aircraft fueling, maintenance, washdown, and support activities. First Street borders Parcel 32 to the east.

An underground storage tank (Tank 2-1) was recently removed on Parcel 45. This 500-gallon tank stored diesel. Soil and groundwater sampling have been proposed by ERM near the former location of this tank.

RCRA Sites

This subsection identifies the RCRA Site and requirements associated with this site on the parcel, consistent with objectives described in Section 1 of the Shell Workplan. One RCRA site (SWMU/GAP 21) is located west of Building 22. This site contains two 55-gallon Bowser drums. The chemicals of concern associated with SWMU/GAP 21 include oil, solvents, paint-related material, rags, and hydraulic fluid. It is unknown whether any chemicals were released at this site. SWMU/GAP 21 was evaluated consistent with the criteria applied to other potential target areas at the parcel. Based on these criteria, SWMU/GAP 21 does not require further investigation.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 32, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-32-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, and radiological concerns. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in corresponding protocols presented in Section 3.

TABLE 6-32-2

Summary of Data Gaps
NAS Alameda Parcel 32

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) is located approximately 500 feet east of Parcel 32. Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Open Space, Aircraft Maintenance and Support Area.
Potential Parcel-Specific Release Areas	• Open Space, Washdown Area.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-32-2

Summary of Data Gaps
NAS Alameda Parcel 32

Data Gap	Status/Description
Underground Utilities	• Fuel, storm sewer, sanitary sewer, steam, industrial sewer, electrical, and water lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Although no industrial hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 22. A one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Historical aerial photographs indicate that Parcel 32 has been completely paved since at least 1947. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 32.

Once the data gaps in Table 6-32-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 32 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target area and one zone-wide target area. This subsection of the PEP discusses the parcel-specific target area and provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 6. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following parcel-specific target area was identified based on the potential release area described above and listed in Table 6-32-2.

- Target Area 1 (Open Space Washdown Area): The open space in the aircraft washdown area will be sampled immediately surrounding the catch basin-oil/water separator. This area is defined as a target area because of the aircraft washdown activities that occur in this area, the defueling activity that was witnessed in May 1994, and the staining observed near the drain during the site inspection. Two subsurface Geoprobe soil samples will be collected and analyzed for TPH, SVOCs, and VOCs.

- Zone 6 Target Area 1 (Open Space Aircraft Maintenance and Fueling Areas): This target area includes the open space of Parcels 30, 31, 33, 34, 35, 190, 191, and 192 within the Western Hangar Zone. The aerial extent of this target area is defined by the widespread staining observed in historical aerial photographs as a result of the aircraft fueling and maintenance activities conducted in this area. The largest and heaviest stains corresponded to aircraft parking locations and the borders of hangar buildings. Sixty-five soil vapor samples and 13 subsurface Geoprobe soil samples are proposed to be collected from this zone-wide target area. The proposed zone-wide target areas are listed on Table 6-32-1.

In addition, concerns pertaining to industrial hygiene, asbestos, lead-based paint, PCBs, underground lines, radiological issues, and the impacts of IR Site 5 must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include soil gas sampling (SOP 6) and subsurface GeoProbe soil sampling (SOP 14). Table 6-32-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 32. Nine of the 65 soil vapor samples and two of the 13 subsurface Geoprobe soil samples will be collected from the zone-wide sampling locations shown on Figure 6-32-1. Two subsurface Geoprobe soil samples will be collected from the parcel-specific sampling locations shown on Figure 6-32-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: surface soil sampling (SOP 3), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and

monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-33

PARCEL 33 EVALUATION PLAN

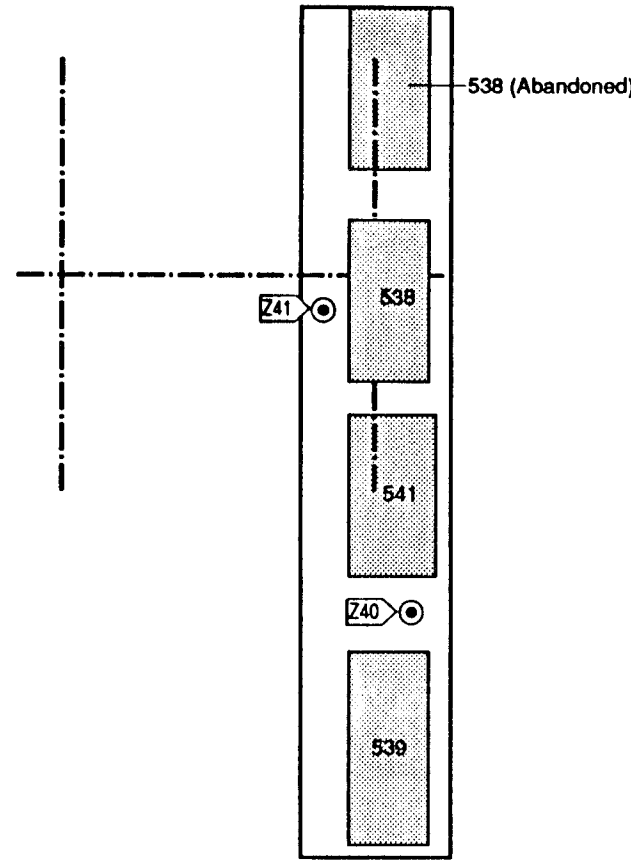
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 33 at NAS Alameda (Figure 6-33-1). The parcel, which is located in the west-central portion of the base, is less than one acre in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One zone-wide and no parcel-specific target investigation areas (target areas) were identified at Parcel 33. Soil gas sampling will be used to accomplish the screening-level investigation. Table 6-33-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 33, historical activities are discussed below.

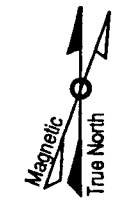
Background and Historical Activities

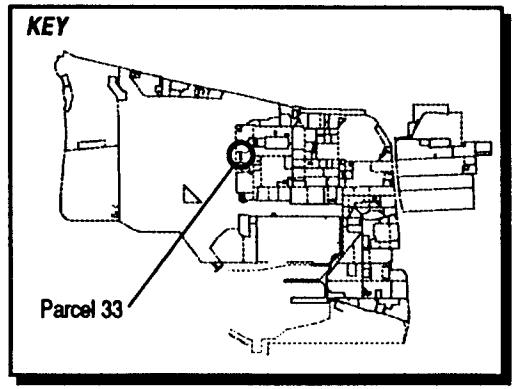
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 33, consistent with objective 1 identified in Section 1 of the Shell Workplan. This subsection also identifies areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 29, 30, 31, 32, 34, 35, 36, 37, 190, 191, 192, 193, and 204. This parcel zone has been designated the Western Hangar Zone (Zone 6). The Western Hangar Zone encompasses the parcels that are primarily used for aircraft maintenance and support activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and







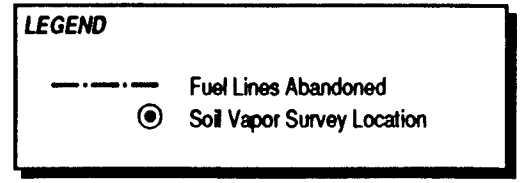


Figure 6-33-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90 11/DS/06.29.94A

TABLE 6-33-1

Summary of Recommended Samples
NAS Alameda Parcel 33

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z6-40-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-41-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC

potential zone-wide concerns are described in the Zone Analysis Plan for Zone 6.

Filling began in the area covered by this parcel in approximately 1940. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1941; the ground level and grading have not changed significantly since that time.

Currently, four buildings (Buildings 549, 541, 538, and abandoned Building 538) cover approximately 45 percent of the parcel. The remaining 55 percent is open space. The parcel area is presently in use primarily for office space and storage. Fuel lines are present at this parcel and are shown in Figure 6-33-1.

Parcel 33 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 33 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within the parcel open space and buildings are described in detail below.

Building 538

The original Building 538 was constructed in 1976 and served as a line maintenance shelter (Figure 6-33-1). This building covers approximately 960 square feet and is currently abandoned. New Building 538, located immediately south of the abandoned original Building 538, is a prefabricated trailer-type building that is approximately two years old. This building is used for flight gear storage and checkout.

Utilities located within and immediately surrounding these buildings (including utilities on adjacent parcels) include underground sanitary sewer, storm sewer, water, electrical, abandoned fuel, and industrial sewer lines. No permits appear to have been issued for these buildings.

Information collected during the EBS indicates that only non-hazardous materials were stored within Building 538. No chemical

storage is documented to have occurred in either building. No spills or stains were noted during the site inspection.

Building 538 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents such as fires, mishaps, or flooding are documented to have occurred within or near Building 538.

Buildings 539 and 541

Buildings 539 and 541 were constructed in 1974 and serve as line maintenance shelters (Figure 6-33-1). These one-story buildings are currently used for office space. Each building covers approximately 960 square feet and is in good condition. Buildings 539 and 541 are both trailer-type structures on cinder blocks.

Utilities located within and surrounding Buildings 539 and 541 (including utilities on adjacent parcels) include underground gas, sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines. No permits appear to have been issued for these buildings.

Information collected during the EBS indicates that general office activities were conducted within these buildings. No chemicals are documented to have been stored or used in Buildings 539 and 541. No spills or stains were noted in these buildings during the site inspection.

Buildings 539 and 541 are not equipped with HVAC systems. No other incidents such as fires, mishaps, or flooding are documented to have occurred within or near Buildings 539 and 541.

Open Space

Open space covers approximately 55 percent of Parcel 33. The ground surface is completely paved with concrete. The pavement is generally in good condition. EBS information indicates that the area occupied by the buildings currently located on Parcel 33 was formerly used for aircraft fueling, parking, and maneuvering. According to the site inspection, the open space has not been in recent use.

Structures located within the open space include several hazardous and flammable materials storage lockers and cabinets. Three of the lockers are large storage units. One locker is used as a hydraulic repair shop. According to site inspection data, the floor of this locker was slick and stained, most likely from past spills. No cleanup was

apparent. No staining was noted on the ground near any of the lockers or in the open space in general.

Utilities located within and surrounding the open space on Parcel 33 (including utilities on adjacent parcels) include underground gas, sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines. No permits appear to have been issued for the open space on the parcel.

Large-scale staining in the open space west of Building 22 was noted on historical aerial photographs dated 1947 through approximately 1966. This staining may be related to the fueling activities that historically occurred in this area. No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space on Parcel 33.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 33 is bounded by Parcels 32 and 191. Activities of concern on these adjacent parcels include aircraft fueling, maintenance, and washdown.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 33, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-33-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, and radiological concerns. Sampling and imaging associated with underground fuel

TABLE 6-33-2

Summary of Data Gaps
NAS Alameda Parcel 33

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 33.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Open Space, Aircraft Maintenance and Fueling Areas.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, industrial sewer, electrical, and water lines identified.

TABLE 6-33-2

Summary of Data Gaps
NAS Alameda Parcel 33

Data Gap	Status/Description
- Fuel Lines	• Underground fuel lines identified.
- Steam Lines	• Steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

lines are also addressed separately. Sampling associated with fuel lines is discussed in corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 33 because no industrial buildings are present.

Historical aerial photographs indicate that Parcel 33 has been completely paved since at least 1947. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 33.

Once the data gaps in Table 6-33-2 are addressed and screening-level sampling results from the target area described below are compared to the appropriate screening levels, Parcel 33 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

One zone-wide target area and no parcel-specific target areas were identified for Parcel 33. This subsection of the PEP provides an overview of the zone-wide target area. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 6. The nature and location of the zone-wide target area was evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Zone 6 Target Area 1 (Open Space Aircraft Maintenance and Fueling Areas): This target area includes the open space of Parcels 30, 31, 32, 33, 34, 35, 190, 191, and 192 within the Western Hangar Zone. The aerial extent of this target area is defined by the widespread staining observed in historical aerial photographs as a result of the aircraft fueling and maintenance activities conducted in this area. The largest and heaviest stains corresponded to aircraft parking locations and the borders of hangar buildings. Sixty-five soil vapor and 13 subsurface Geoprobe soil samples will be collected in Zone 6 to assess potential releases of VOCs to subsurface soil via cracks in the concrete. This target area has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-Z6-1. The approximate sampling locations shown

on Figure 6-Z6-1 correspond to areas observed to be significantly stained based on historical aerial photograph review or site inspection information.

Screening-Level Investigation

Soil vapor sampling (SOP 6) is the screening-level investigation technique that will be used to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Two of the 65 soil vapor samples to be collected from the zone-wide target area are located on this parcel. Table 6-33-1 summarizes screening-level sampling and analysis for the target area on Parcel 33. The sampling locations are shown on Figure 6-33-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: surface soil sampling (SOP 3), subsurface Geoprobe soil sampling (SOP 14), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-34

PARCEL 34 EVALUATION PLAN

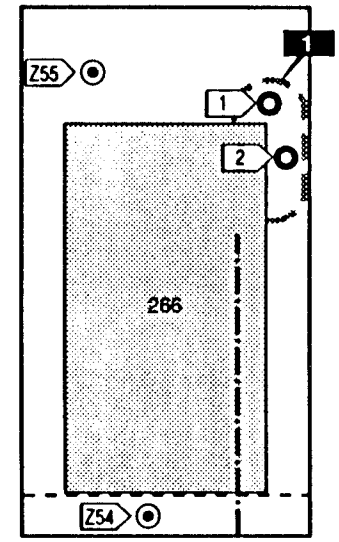
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 34 at NAS Alameda (Figure 6-34-1). The parcel, which is located in the north-central portion of the base, is less than one acre (approximately 0.1 acre) in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel does not contain any RCRA units. One parcel-specific and one zone-wide target investigation area (target area) has been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and soil gas sampling. Table 6-34-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 34, historical activities are discussed below.

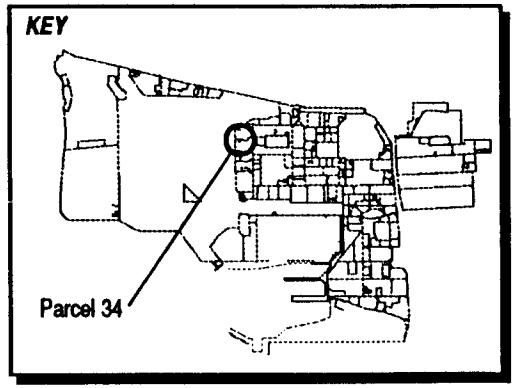
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 34, consistent with objective 1 identified in Section 1 of the Shell Workplan. This subsection also identifies other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 29, 30, 31, 32, 33, 35, 36, 37, 190, 191, 192, 193, and 204. This parcel zone has been designated the Western Hangar Zone (Zone 6). The Western Hangar Zone encompasses the parcels located west of Building 5 that are primarily used for aircraft maintenance and support activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this





LEGEND

- Target Area 1
- Fuel Lines Abandoned
- Storm Sewer Line
- Soil Vapor Survey Location
- Surface Soil Sample Location

Note: Parcel borders are approximate.

1" = 30'

Magnetic
True North

Figure 6-34-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90 12/DS/05.29.94A

TABLE 6-34-1

Summary of Recommended Samples
NAS Alameda Parcel 34

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
34-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lube oil, metals	TPH, metals	Test Kit, XRF
34-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Lube oil, metals	TPH, metals	Modified EPA 8015, CLP RAS
34-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lube oil, metals	TPH, metals	Test Kit, XRF
Z6-54-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non halogenated/ Halogenated Org.	VOCs	GC
Z6-55-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non halogenated/ Halogenated Org.	VOCs	GC

* This is the suggested location for the confirmation sample. The actual location will depend on field analytical results.

parcel should consider the data collected for the entire zone. Zone-wide concerns are described in the Zone Analysis Plan for Zone 6.

The area within the parcel boundary was completely filled as of 1941. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The ground level and grading on the parcel have not changed significantly since that time.

Currently, one building (Building 266) with an annex (Building 266A) covers approximately 45 percent of the parcel. The remainder (55 percent) is open space. The parcel area is presently in use as a snack shop, office space, and storage area for fuel sampling and aircraft maintenance equipment. Fuel and sewer lines are present at this parcel and are shown in Figure 6-34-1.

Parcel 34 is not located near any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 34 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 266/266A

Building 266 was constructed in 1941 and served as a line maintenance shelter. This building is currently in use as a snack shop and office space. This building is in moderately good condition. Building 266 is a one-story building constructed of wood with a corrugated steel roof, and covers approximately 1,650 square feet. Building 266A is an annex attached to Building 266. The construction date of the annex is unknown. Building 266A is located on the west side of Building 266 and is used to store fuel sampling equipment and small aircraft maintenance equipment. Lube oil, hydraulic fluid, and floor wax is stored immediately outside Building 266A in a secondary containment structure.

Utilities located within and immediately surrounding Building 266 include underground sanitary sewer, storm sewer, water, and abandoned fuel lines. No permits appear to have been issued for Buildings 266 or 266A.

No chemicals are documented to have been stored or used in Building 266. No spills have been documented in Building 266, and no stains were observed in the building during the site inspection. No other incidents (e.g., fires, mishaps, flooding, crashes) are documented to have occurred within or near Building 266.

Open Space

The open space on Parcel 34 is currently used for storage and vehicle maneuvering and parking. There are two storage sheds located west of Building 266. The open space occupies approximately 55 percent of the parcel.

Structures located within the open space include two sheds used to store aircraft maintenance equipment. The ground surface of the open space on Parcel 34 is completely paved with concrete. The pavement is generally in good condition.

Utilities located within and immediately surrounding the open space on Parcel 34 include underground sanitary sewer, storm sewer, steam, water, electrical, and abandoned fuel lines. No permits appear to have been issued for processes occurring within this open space.

EBS information indicates that activities conducted within this open space include storage of lube oil, hydraulic fluid, and methanol in the area north of Building 266 in quantities of less than 110, 15, and 20 gallons, respectively. The sheds located west of Building 266 are used for storage of fuel sampling equipment. A satellite hazardous waste collection accumulation point is also located north of Building 266.

No spills have been documented at this parcel. There is staining present at the entrance to, and within, one of the sheds located west of Building 266 that appears to be hydraulic fluid. Three areas of oily, black staining located north and west of Building 266 were observed during the site inspection. These three areas measure approximately 25 feet by 25 feet, 10 feet by 10 feet, and 4 feet by 6 feet, respectively.

No other incidents (e.g., fires, mishaps, flooding) are documented to have occurred within the open space on Parcel 34.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated

that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 34 is bounded by Parcels 191 and 192. Activities of concern on these adjacent parcels include aircraft maintenance, washdown, and fueling on Parcels 191 and 192.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 34, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-34-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 34 because no industrial buildings are present.

Once the data gaps in Table 6-34-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 34 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target area and is also contained in a zone with a zone-wide target area. This subsection of the PEP discusses the specific parcel target area and provides an overview of the zone-wide target area. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed

TABLE 6-34-2

Summary of Data Gaps
NAS Alameda Parcel 34

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 34.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 34.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Open Space, Aircraft Maintenance and Support Areas.
Potential Parcel-Specific Release Areas	• Target Area 1 (Open Space): This area has the potential to have been impacted because of the use and spillage of hydraulic fluid in this area and the historical use of Building 266 as a line maintenance shelter.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-34-2

Summary of Data Gaps
NAS Alameda Parcel 34

Data Gap	Status/Description
Underground Utilities	• Fuel, storm sewer, electrical, natural gas, and water lines identified.
- Fuel Lines	• Underground fuel lines identified.
- Steam Lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

sampling is provided in the Zone Analysis Plan for Zone 6. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Open Space): Two surface soil samples will be collected from the stained areas located northeast of Building 266. This area has the potential to have been impacted because of the use and spillage of hydraulic fluid and petroleum products in this area and the historical use of Building 266 as a line maintenance shelter. Samples to be collected are listed in Table 6-34-1.

- Zone 6 Target Area 1 (Open Space Aircraft Maintenance and Fueling Areas): This target area includes the open space of Parcels 30, 31, 32, 33, 34, 35, 190, 191, and 192 within the Western Hangar Zone. The aerial extent of this target area is defined by the widespread staining observed in historical aerial photographs as a result of the aircraft fueling and maintenance activities conducted in this area. The largest and heaviest stains corresponded to aircraft parking locations and the borders of hangar buildings. Sixty-five soil vapor and 13 subsurface Geoprobe soil samples will be collected in Zone 6 to assess potential releases of VOCs to subsurface soil via cracks in the concrete. This target area has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-Z6-1. The approximate sampling locations shown on Figure 6-Z6-1 correspond to areas observed to be significantly stained based on historical aerial photograph review or site inspection information.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in target areas and to identify areas that require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and soil vapor sampling (SOP 6). Two surface soil samples will be collected from the parcel specific locations shown on Figure 6-43-1, and two of the 65 soil vapor samples will be collected from the zone-wide locations shown on Figure 6-34-1. Table 6-34-1 summarizes the screening-level sampling and analysis recommended for the parcel's target areas. The sample locations are shown on Figure 6-34-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: subsurface GeoProbe soil sampling (SOP 14), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-35

PARCEL 35 EVALUATION PLAN

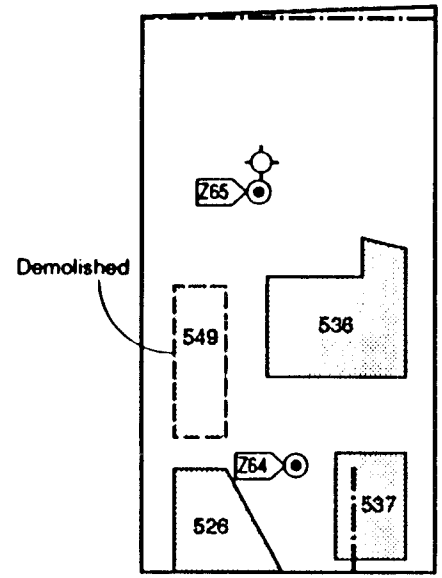
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 35 at NAS Alameda (Figure 6-35-1). The parcel, which is located in the north-central portion of the base, is less than one acre in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the sampling objectives outlined in Section 1 of the Shell Workplan. This parcel does not contain any RCRA sites. No parcel-specific target areas and one zone-wide target investigation area (target area) were identified on this parcel. The sampling procedures called for in the screening-level investigation in this area are soil vapor and subsurface Geoprobe soil sampling. Table 6-35-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 35, historical activities are discussed below.

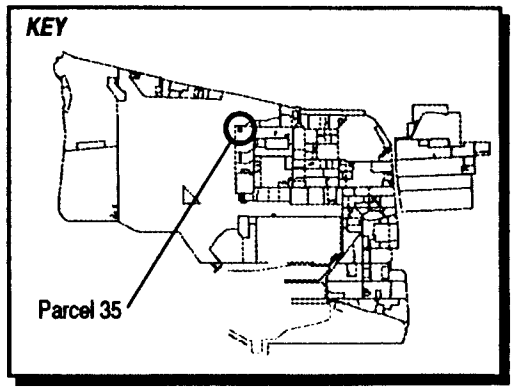
Background and Historical Activities

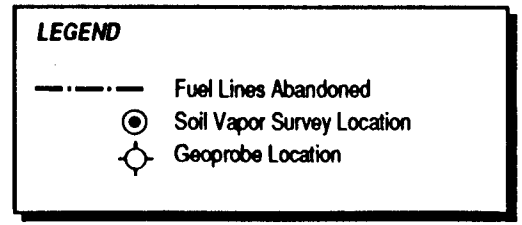
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 35, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 29, 30, 31, 32, 33, 34, 36, 37, 190, 191, 192, 193, and 204. This parcel zone has been designated the Western Hangar Zone (Zone 6). The Western Hangar Zone encompasses the parcels located west of Building 5 that are primarily used for aircraft maintenance and support activities. During the sampling program development, the parcels located in this zone







1" = 60'

Magnetic
True North

Figure 6-35-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
212 ?/DS/06.29.94A

TABLE 6-35-1

Summary of Recommended Samples
NAS Alameda Parcel 35

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z6-64-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-65-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-65-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Zone 06 Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS

were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide concerns are described in the Zone Analysis Plan for Zone 6.

Filling began in the area covered by this parcel in approximately 1940. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1941; the ground level and grading have not changed significantly since that time.

Currently, three buildings (Buildings 526, 536, and 537) cover approximately 20 percent of the parcel. The remainder (80 percent) is open space. In general, the parcel area is presently in use as a snack shop and smoking area. Building 549 was formerly located on the parcel. Underground fuel lines are present at this parcel and are shown in Figure 6-35-1.

Parcel 35 is not located near any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 35; therefore, specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Buildings 526, 536, and 537 (Common Considerations)

Utilities located within and immediately surrounding Buildings 526, 536, and 537 include underground sanitary sewer, storm sewer, water, electrical, and abandoned fuel lines. No permits appear to have been issued for these buildings. No chemicals are documented to have been stored in these buildings, and no staining was identified in these buildings during the site inspection.

Buildings 526, 536, and 537 are not equipped with a heating-ventilation-air conditioning (HVAC) system. No incidents such as fires, mishaps, or flooding are documented to have occurred within or near Buildings 526, 536, or 537.

Building 526

Building 526 was constructed in 1970 and served as a maintenance shelter. This building is currently used as a smoking area (Figure 6-35-1). This building is still standing and is generally in moderately good condition. Building 526 is a one-story building constructed of wood with a corrugated steel roof. This building covers approximately 660 square feet (22 feet by 30 feet).

Building 536

Building 536 was constructed in 1975 and served as a maintenance shelter. The building is currently used as a snack bar (Figure 6-35-1). This building is still standing and is in moderately good condition. Building 536 is a one-story building constructed of wood with a corrugated steel roof. This building covers approximately 1,400 square feet.

Building 537

Building 537 was constructed in 1975 and served as a maintenance shelter. The building is currently used as a smoking area (Figure 6-35-1). This building is still standing and is in moderately good condition. Building 537 is a one-story building constructed of wood with a corrugated steel roof. This building covers approximately 750 square feet.

Open Space

The open space on Parcel 35 is currently not in use. The only exceptions are the storage of hazardous materials in hazardous materials lockers located at the north end of the parcel and the outside space related to the snack shop.

The ground surface of the open space on Parcel 35 is completely paved with concrete. The pavement is generally in good condition. Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, water, electrical, and abandoned fuel lines. No permits appear to have been issued for the open space in this parcel.

No chemical storage is documented to have occurred on Parcel 35, and no staining was noted during the site inspection. Historical aerial photographs between 1947 and 1970 indicated that stained soils located west of Hangars 20 through 23 from 1947 to 1970 also impacted

Parcel 35. This staining may be related to fueling activities that occurred in this area.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space on Parcel 35.

Underground Storage Tanks

Three underground storage tanks associated with Building 549 may be present at this parcel. It is unclear whether these tanks still exist in this area, and if so, where they are located.

Parcel Boundary Conditions

Parcel 35 is bounded by Parcels 23 and 192. Activities of concern on these adjacent parcels include aircraft fueling, maintenance and taxiing on Parcel 192, and aircraft fueling and taxiing on Parcel 23.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 35, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-35-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, and radiological concerns. Sampling and imaging associated with underground fuel lines are also addressed separately. Sampling associated with fuel lines is discussed in corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 35 because no industrial buildings are present.

Once the data gaps in Table 6-35-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 35 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-35-2

Summary of Data Gaps
NAS Alameda Parcel 35

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 35.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 35.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Open Space, Aircraft Maintenance and Support Areas.
Potential Parcel-Specific Release Areas	• No potential parcel-specific release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• Three underground storage tanks associated with Building 549 may be present at this parcel. Building 549 is located on Parcel 35, which is inset into Parcel 192. It is unclear whether these tanks still exist in this area, and if so, where they are located.

TABLE 6-35-2

Summary of Data Gaps
NAS Alameda Parcel 35

Data Gap	Status/Description
Underground Utilities	• No evidence of underground utilities identified.
- Fuel Lines	• Underground fuel lines identified.
- Steam Lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

One zone-wide target area has been identified for this parcel. No parcel-specific target areas were identified for this parcel.

- Zone 6 Target Area 1 (Open Space Aircraft Maintenance and Fueling Areas): This target area includes the open space of Parcels 30, 31, 32, 33, 34, 35, 190, 191, and 192 within the Western Hangar Zone. The aerial extent of this target area is defined by the widespread staining observed in historical aerial photographs as a result of the aircraft fueling and maintenance activities conducted in this area. The largest and heaviest stains corresponded to aircraft parking locations and the borders of hangar buildings. Sixty-five soil vapor samples and 13 subsurface Geoprobe soil samples will be collected in Zone 6 to assess potential releases of VOCs to subsurface soil via cracks in the concrete. This target area has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-Z6-1. The approximate sampling locations shown on Figure 6-Z6-1 correspond to areas observed to be significantly stained based on historical aerial photograph review or site inspection information.

Screening-Level Investigation

Soil gas sampling (SOP 6) is the screening-level investigation technique that will be used to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

Table 6-35-1 summarizes the screening-level sampling and analysis recommended for the target area on Parcel 35. Two of the 65 soil vapor samples and one of the 13 subsurface Geoprobe soil samples will be collected from the zone-wide locations shown on Figure 6-35-1. Sampling will be conducted in accordance with the referenced SOPs Appendix A the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of

compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: surface soil sampling (SOP 3), subsurface Geoprobe soil sampling (SOP 14), chip sampling (SOP 18), and HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-36

PARCEL 36 EVALUATION PLAN

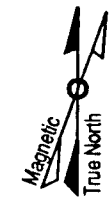
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 36 at NAS Alameda (Figure 6-36-1). The parcel, which is located in the north-central portion of the base, is less than an acre in size and is roughly square in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel does not contain any RCRA units. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. Historical activities for Parcel 36 are discussed below.

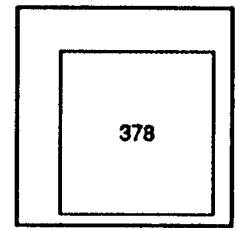
Background and Historical Activities

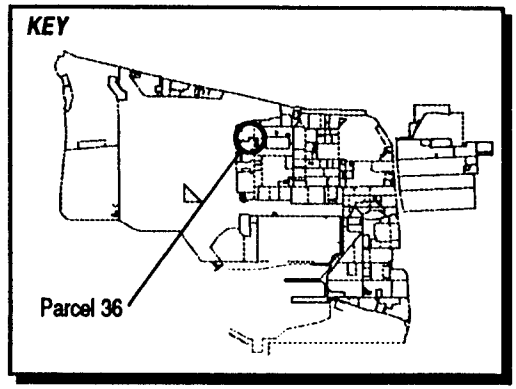
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 36, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 29, 30, 31, 32, 33, 34, 35, 37, 190, 191, 192, 193, and 204. This parcel zone has been designated the Western Hangar Zone (Zone 6). The Western Hangar Zone encompasses the parcels located west of Building 5 that are primarily used for aircraft maintenance and support activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide concerns are described in the Zone Analysis Plan for Zone 6.







1"= 30'

Figure 6-36-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121[illegible]12/DS/06.29.94A

The area within the parcel boundary was completely filled as of 1941. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The ground level and grading on the parcel have not changed significantly since that time.

Currently, one building (Building 378) covers approximately 50 percent of the parcel. The remaining 50 percent is open space. In general, the parcel area is presently in use for storage.

Parcel 36 is not located near any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 36 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 378

Building 378 was constructed in 1951 and serves as a general storage area (Figure 6-36-1). This building is in moderately good condition, and has been approved for demolition. Building 378 is a one-story building constructed of corrugated steel with a concrete floor (Quonset hut). It covers approximately 550 square feet.

Utilities located immediately surrounding Building 378 (i.e., within 100 feet) include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines. No permits appear to have been issued for this building.

Information collected during the EBS indicates that activities conducted within this building included storage of paper supplies, floor tiles, wrapped aircraft parts, and light bulbs. An interview conducted during the EBS indicates that no hazardous chemicals or wastes were ever stored in Building 378. Building 378 is not equipped with an HVAC system. No industrial hygiene issues were noted. No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 378 or Parcel 36.

Open Space

The open space on Parcel 36 is not currently used for any specific purpose. This space occupies approximately 50 percent of the parcel.

No structures are located within the open space (Figure 6-36-1). The ground surface of the open space on Parcel 36 is 100 percent paved with concrete. The pavement is generally in good condition.

Utilities located within and immediately surrounding the open space on Parcel 36 include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines. No permits appear to have been issued for processes occurring within this open space.

No chemicals are documented to have been stored in or used at Parcel 36. No spills or staining were noted during the EBS or site inspection. No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space on Parcel 36.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 36 is bounded by Parcels 191 and 192. Activities of potential environmental concern on these adjacent parcels include aircraft maintenance, fueling, and aircraft washdown on Parcels 191 and 192. The aircraft washdown activities on the southeast portion of Parcel 192 is of concern because of the proximity of this area to Parcel 36. However, drainage in the area of the aircraft washdown facility is directed away from Parcel 36.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 36, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data

TABLE 6-36-1

Summary of Data Gaps
NAS Alameda Parcel 36

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 36.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 36.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• No potential zone -wide release areas identified.
Potential Parcel-Specific Release Areas	• No potential parcel-specific release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• No evidence of underground utilities identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.

TABLE 6-36-1

Summary of Data Gaps
NAS Alameda Parcel 36

Data Gap	Status/Description
- Steam Lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

gaps shown in Table 6-36-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer line are also addressed separately. Sampling associated with fuel lines and sewers is discussed in corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 36 because no industrial buildings are present.

Once the data gaps in Table 6-36-1 are addressed, Parcel 36 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to radiological concerns and impacts of the nearby IR site must be resolved before this parcel can be leased or transferred

SECTION 6-37

PARCEL 37 EVALUATION PLAN

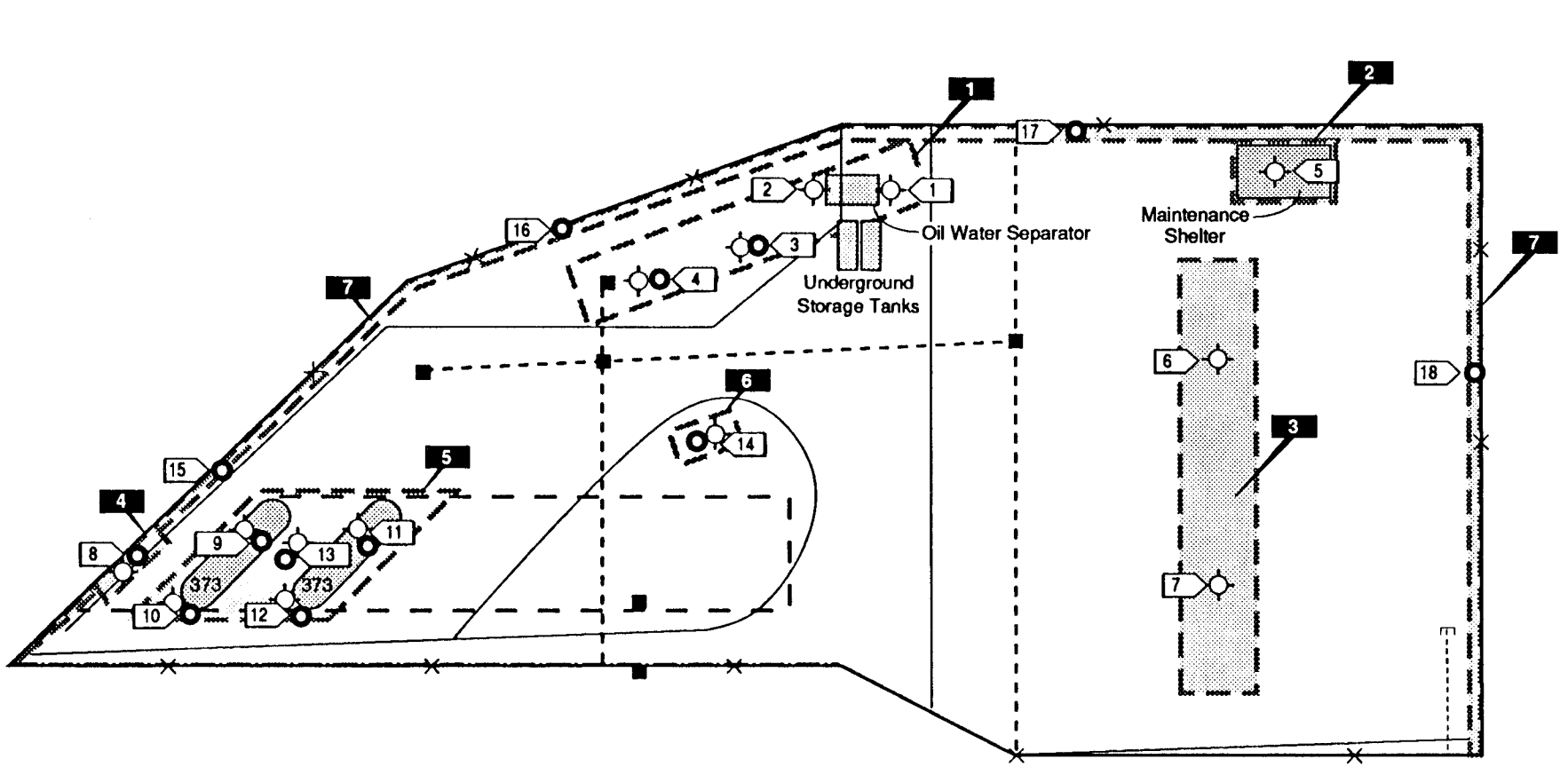
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 37 at NAS Alameda (Figure 6-37-1). The parcel, which is located in the north central portion of the base, is approximately two acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. Seven parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface GeoProbe sampling. Table 6-37–1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 37, historical activities are summarized below.

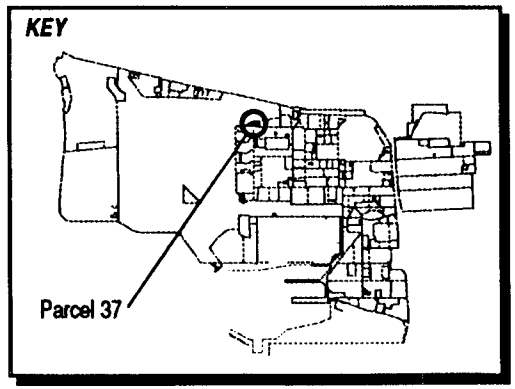
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 37, consistent with objective 1 identified in Section 1 of the Shell Workplan. This subsection also identifies underground storage tanks and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 29, 30, 31, 32, 33, 34, 35, 36, 190, 191, 192, 193, and 204. This parcel zone has been designated the Western Hangar Zone (Zone 6). The Western Hangar Zone encompasses the parcels located west of Building 5 that are primarily used for aircraft maintenance and support activities. During the sampling program development, the parcels located in this zone





LEGEND

- Target Areas
- Fuel Lines Abandoned
- Fuel Lines in Use
- Storm Sewer Line
- Sewer Line
- Capped
- Surface Soil Sample Location
- Geoprobe Location
- Catch Basin

Note: 1.) Parcel borders are approximate.

1" = 60'

Figure 6-37-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6/94
2121 [illegible]/DS/07.18.94

TABLE 6-37-1

Summary of Recommended Samples
NAS Alameda Parcel 37

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
37-1-3-S-V-DDMMYY	3'*	GeoProbe	Soil	Target Area 1	Oil or JP-5, SVOCs, VOCs, PCBs, Metals	TPH, SVOCs, VOCs, Pesticides, Metals	Modified EPA 8015, CLP RAS
37-2-3-S-V-DDMMYY	3'*	GeoProbe	Soil	Target Area 1	Oil or JP-5, SVOCs, VOCs, PCBs, Metals	TPH, SVOCs, VOCs, Pesticides, Metals	Modified EPA 8015, CLP RAS
37-3-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 1	SVOCs, VOCs, Metals	SVOCs, VOCs, Metals	CLP RAS
37-3-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Oil or JP-5, SVOCs, PCBs, Metals	TPH, SVOCs, Pesticides, Metals	Modified EPA 8015, CLP RAS
37-4-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 1	SVOCs, VOCs, Metals	SVOCs, VOCs, Metals	CLP RAS
37-4-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Oil or JP-5, SVOCs, PCBs, Metals	TPH, SVOCs, Pesticides, Metals	Modified EPA 8015, CLP RAS
37-5-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 2	SVOCs, VOCs, PCBs, Metals	SVOCs, VOCs, Pesticides, Metals	CLP RAS
37-6-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 3	SVOCs, VOCs, PCBs, Metals	SVOCs, VOCs, Pesticides, Metals	CLP RAS
37-7-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 3	SVOCs, VOCs, PCBs, Metals	SVOCs, VOCs, Pesticides, Metals	CLP RAS

TABLE 6-37-1

Summary of Recommended Samples
NAS Alameda Parcel 37

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
37-8-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 4	Oil or JP-5, SVOCs, PCBs, Metals	TPH, SVOCs, Pesticides, Metals	Modified EPA 8015, CLP RAS
37-8-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 4	SVOCs, VOCs, PCBs, Metals	SVOCs, VOCs, Pesticides, Metals	CLP RAS
37-9-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 5	Oil or JP-5, SVOCs, PCBs, Metals	TPH, SVOCs, Pesticides, Metals	Modified EPA 8015, CLP RAS
37-9-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 5	SVOCs, VOCs, PCBs, Metals	SVOCs, VOCs, Pesticides, Metals	CLP RAS
37-10-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 5	Oil or JP-5, SVOCs, PCBs, Metals	TPH, SVOCs, Pesticides, Metals	Modified EPA 8015, CLP RAS
37-10-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 5	SVOCs, VOCs, PCBs, Metals	SVOCs, VOCs, Pesticides, Metals	CLP RAS
37-11-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 5	Oil or JP-5, SVOCs, PCBs, Metals	TPH, SVOCs, Pesticides, Metals	Modified EPA 8015, CLP RAS
37-11-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 5	SVOCs, VOCs, PCBs, Metals	SVOCs, VOCs, Pesticides, Metals	CLP RAS
37-12-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 5	Oil or JP-5, SVOCs, PCBs, Metals	TPH, SVOCs, Pesticides, Metals	Modified EPA 8015, CLP RAS
37-12-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 5	SVOCs, VOCs, PCBs, Metals	SVOCs, VOCs, Pesticides, Metals	CLP RAS

TABLE 6-37-1

Summary of Recommended Samples
NAS Alameda Parcel 37

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
37-13-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 5	Oil or JP-5, SVOCs, PCBs, Metals	TPH, SVOCs, Pesticides, Metals	Modified EPA 8015, CLP RAS
37-13-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 5	SVOCs, VOCs, PCBs, Metals	SVOCs, VOCs, Pesticides, Metals	CLP RAS
37-14-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 6	Oil or JP-5, SVOCs, PCBs, Metals	TPH, SVOCs, Pesticides, Metals	Modified EPA 8015, CLP RAS
37-14-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 6	SVOCs, VOCs, PCBs, Metals	SVOCs, VOCs, Pesticides, Metals	CLP RAS
37-15-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 7	DDT, PCBs	Pesticides	CLP RAS
37-16-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 7	DDT, PCBs	Pesticides	CLP RAS
37-17-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 7	DDT, PCBs	Pesticides	CLP RAS
37-18-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 7	DDT, PCBs	Pesticides	CLP RAS

were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide concerns are described in the Zone Analysis Plan for Zone 6.

Filling began in the area covered by this parcel in approximately 1940. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1941; the ground level and grading have not changed significantly since that time.

There is currently one structures (Structure 373), and two facilities (maintenance shelter and an oil-water separator) on Parcel 37. These features occupy approximately 10 percent of the parcel area. The remaining 90 percent is open space. In general, the parcel area is presently in use as an aviation fuel truck loading stand. A building was formerly located on the western portion of the parcel and has since been demolished. There is no information available about this building. Underground fuel and sewer lines are present on this parcel and are shown in Figure 6-37-1.

Parcel 37 is not located near an Installation Restoration (IR) Program site. No previous investigations have been conducted at Parcel 37 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Structure 373

Structure 373 was constructed in 1953 and served as an aviation fuel pump station (Figure 6-37-1). This structure is still standing and is generally in fair condition. Structure 373 is a fuel station on ground level and is constructed of cement and occupies approximately 500 square feet. The area occupied by Structure 373 was formerly open space, and was newly filled land.

Utilities located within and immediately surrounding Structure 373 include sanitary sewer, storm sewer, and fuel lines. A transformer is also located near this structure.

Review of historical records, site inspections, permits, interviews, and historic aerial photographs indicate that activities conducted within this structure included loading of aviation fuel trucks. This process typically involves the use of JP-5. Refueling processes occurred within Structure 373 from 1953 to present.

Distribution activities for JP-5 and motor oil are documented at Structure 373 from 1953 to the present. The fuel and oil are distributed via the fuel lines present at this parcel and dispensed as necessary. There is no storage of fuel or oil at Structure 373, except for the fuel remaining in the fuel lines between fueling processes. Used chemicals are collected at the hazardous waste accumulation point and sent to a central collection point.

Aviation fuels are documented to have been used at Structure 373 from 1953 to present. Spilled fuel and rain runoff is collected in an oil-water separator. Disposal of used chemicals is accomplished by discharging into the oil-water separator. Any spent spill absorbent and excess fuel is disposed of as hazardous waste.

Review of aerial photographs and site inspection data indicates that undocumented spills may have occurred at the fueling islands. These spills appear to be oily and dark in origin, and to have involved a significant quantity of released material. Most of the small spills appear to have been immediately treated with absorbent. The staining at each of the fueling islands (Structure 373) covers an area measuring approximately 10 feet by 10 feet.

Open Space

With the exception of Structure 373 and the maintenance shelter, this parcel is completely open space. In general, this open space is used for refueling fuel trucks. The eastern side of the parcel is used for truck parking and maintenance.

The open space is 95 percent paved and five percent unpaved. Approximately 65 percent of the paved area is surfaced with asphalt and 30 percent is covered with concrete. The pavement is generally in fair condition. The unpaved areas of the open space are covered with bare soil (5 percent).

Building 132 was formerly located in this open space. Its use is unknown and it was demolished in 1953. It covered approximately 20,000 square feet.

Utilities located within and immediately surrounding the open space include storm sewers and fuel lines.

EBS information indicates that activities conducted within this open space included former airfield operations and refueling station operations. Refueling processes involving JP-5 and truck maintenance were conducted in the eastern and western areas of the open space, respectively. These industrial processes involve chemical storage and use, and generate wastes including JP-5 and motor oil. The refueling processes occurred within the open space from 1953 to the present. Airfield operations occurred within the open space from 1947 to approximately 1953.

Review of aerial photographs and site inspection data indicate that undocumented releases may have occurred along the southeastern perimeter, at the fueling islands, at the truck parking and maintenance area, at the maintenance shelter, at the oil-water separator outlet, and the ground between the oil-water separator and the storm drain. These releases are oily and dark in appearance, and have involved a relatively major quantity of material. Most of the small spills appear to have been immediately treated with absorbent which is collected and disposed of as hazardous waste. The staining at the southeastern perimeter covers an area measuring approximately three feet by three feet. The staining at each of the fueling islands (Structure 373) covers an area measuring approximately 10 feet by 10 feet. The staining at the oil-water separator outlet covers an area measuring approximately seven feet by seven feet. The staining on the ground between the oil-water separator and the storm drain cover an area measuring approximately three feet by 20 feet. The stains in the truck parking and maintenance area measure approximately five feet by five feet. The staining in the maintenance shelter measures approximately 15 feet by 15 feet.

Underground Storage Tanks

Two active tanks are present at this parcel (No record regarding the tank numbers for these tanks is available). The presence of these tanks was identified from site inspection. The installation date for these tanks is unknown. These tanks are located on the north side of the parcel and are associated with the oil-water separator. Based on the available information, these tanks are used to catch, the capacities of these tanks are unknown. Investigation of these tanks has not been scheduled. No data pertaining to tightness or tank integrity has been identified.

Parcel Boundary Conditions

Parcel 37 is bounded by Parcels 23, 192, 41, and 38. Activities of concern on these adjacent parcels include aircraft washdown, maintenance, and fueling on Parcel 192. Parcel 37 has berms around its edges which prevent runoff from traveling on and off the parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 37, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-37-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, and radiological concerns. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewers is discussed in corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 37 because no industrial buildings are present.

As noted earlier, Parcel 37 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides.

Potential concerns related to pesticides have been identified as a parcel-specific data gap for Parcel 37. Pesticide sampling for this parcel has been limited to the edges of the parcel that are unpaved and lack vegetation (Target Area 7).

Once the data gaps in Table 6-37-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 37 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-37-2

Summary of Data Gaps
NAS Alameda Parcel 37

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 37.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 37.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• No potential zone-wide release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1: Oil/Water Separator Pump and Drainage Area • Target Area 2: Maintenance Shelter • Target Area 3: Truck Parking Area • Target Area 4: Spill Area, West Side of Parcel 37 • Target Area 5: Fueling Islands • Target Area 6: Hazardous Waste Accumulation Area • Target Area 7: Parcel Perimeter, Grass and Dirt Areas

TABLE 6-37-2

Summary of Data Gaps
NAS Alameda Parcel 37

Data Gap	Status/Description
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• 2 USTs currently exist at Parcel 37 associated with the oil/water separator.
Underground Utilities	• Storm sewer and electrical.
- Fuel Lines	• Underground fuel lines identified.
- Steam Lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

This parcel contains seven parcel-specific target areas however, zone-wide samples are not located inside Parcel 37 boundaries.

This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target area. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 6. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following seven parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-37-2.

- Target Area 1 (Oil-Water Separator Pump and Drainage Area): Subsurface soil will be collected from two sides of the oil-water separator. Samples will be collected from a depth equal to the depth to the bottom of separator pit. A Geoprobe device will be used to collect to collect these samples. The soil in the drainage area leading west to the storm drain will be sampled in two places using a surface soil survey and a subsurface Geoprobe survey. The samples will be analyzed for TPH, pesticides, metals, VOCs, and SVOCs. This target area is approximately 3,600 square feet in size.

- Target Area 2 (Maintenance Shelter): This area will be sampled with a Geoprobe. The samples will be analyzed for metals, pesticides, SVOCs, and VOCs. This target area is approximately 600 square feet in size.

- Target Area 3 (Truck Parking Area): This area will be sampled with two subsurface Geoprobe soil samples located over the two areas of darkest staining (staining must be representative of the general staining in this target area). The samples will be analyzed for metals, pesticides, SVOCs, and VOCs. This target area is approximately 4,500 square feet in size.

- Target Area 4 (Spill Area, West Side of Parcel 37): This area will be sampled with one subsurface Geoprobe soil sample and one surface soil sample located in the darkest stained areas. The samples will be analyzed for pesticides, metals, PCBs, SVOCs, VOCs, and TPH. This target area is approximately 40 square feet in size.

- Target Area 5 (Fueling Islands): Soils in the vicinity of the fueling islands may have been impacted by chemical releases from activities

conducted at this parcel. Two surface soil samples and two subsurface Geoprobe soil samples will be collected from each of the two darkest stained areas of the fueling island. One subsurface Geoprobe soil sample and one surface soil sample will be collected in the darkest stained area between the fueling islands. Two surface soil samples and two subsurface Geoprobe soil samples will be collected from the south side of the islands where the pipes enter the ground. The samples will be analyzed for metals, TPH, SVOCs, VOCs, and pesticides. This target area is approximately 4,500 square feet in size.

- Target Area 6 (Hazardous Waste Accumulation Area): This area will be sampled with one subsurface Geoprobe soil sample and one surface soil sample in the darkest most representative stained area of the hazardous waste accumulation site. The samples will be analyzed for metals, TPH, SVOCs, VOCs, and pesticides. This target area is approximately 4,500 square feet in size.

- Target Area 7 (Parcel Perimeter, Grass and Dirt Areas): This area will be sampled with four surface soil surveys located in the most representative grass and soil areas. The samples will be analyzed for pesticides. This target area is approximately 780 square feet.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface GeoProbe soil sampling (SOP 14). Table 6-37–1 summarizes screening-level sampling and analysis for the parcel's target areas. The total number of samples to be collected from the locations shown on Figure 6-37-1 are: 13 surface soil samples and 14 GeoProbe soil samples. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

When surface soil samples are designated on paved surfaces, the samples will be collected from the soil layer directly beneath the paved surface.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), chip sampling (SOP 18), and HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-190

PARCEL 190 EVALUATION PLAN

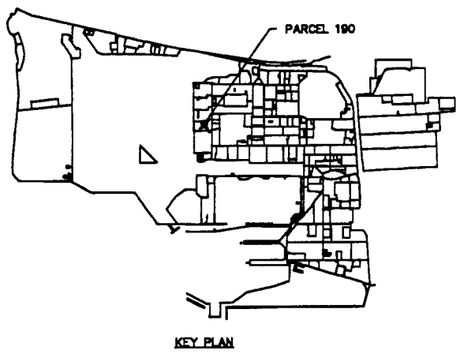
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 190 at NAS Alameda (Figure 6-190-1). The parcel, which is located in the west-central portion of the base, is approximately five acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA site; however, this site does not require a RCRA Facility Investigation (RFI). One zone-wide and no parcel-specific target investigation areas (target area) were identified on Parcel 190. Soil vapor sampling and subsurface Geoprobe soil sampling will be used to accomplish the screening-level investigation. Table 6-190-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 190, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 190, consistent with objective 1 identified in Section 1 of the Shell Workplan. This subsection also identifies areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 29, 30, 31, 32, 33, 34, 35, 36, 37, 191, 192, 193, and 204. This parcel zone has been designated the Western Hangar Zone (Zone 6). The Western Hangar Zone encompasses the parcels located west of Building 5 that are primarily used for aircraft maintenance and support activities. During the sampling program development, the parcels located in this zone



KEY PLAN

GENERAL LEGEND

PARCEL OUTLINE

6 SOIL VAPOR SAMPLE & No.

GeoProbe SOIL SAMPLE

APPROXIMATE LOCATION OF HAZARDOUS MATERIALS STORAGE LOCKER

FUEL LINE LEGEND

FUEL LINES ABANDONED

SANITARY SEWER LINE LEGEND

(18-25) SANITARY SEWER MANHOLE & No.

G.T. GREASE TRAP

—SW— SANITARY SEWER LINE

MATERIALS:

C.I. – CAST IRON

NOTES:

1. ALL SANITARY SEWERS ARE VITRIFIED CLAY PIPE UNLESS NOTED OTHERWISE.

STEAM & CONDENSATE LINE LEGEND

(26A) STEAM & CONDENSATE MANHOLE & No.

STEAM & CONDENSATE LINES

INDUSTRIAL WASTE LINE LEGEND

INDUSTRIAL WASTE MANHOLE

INDUSTRIAL WASTE LINE

STORM DRAIN LEGEND

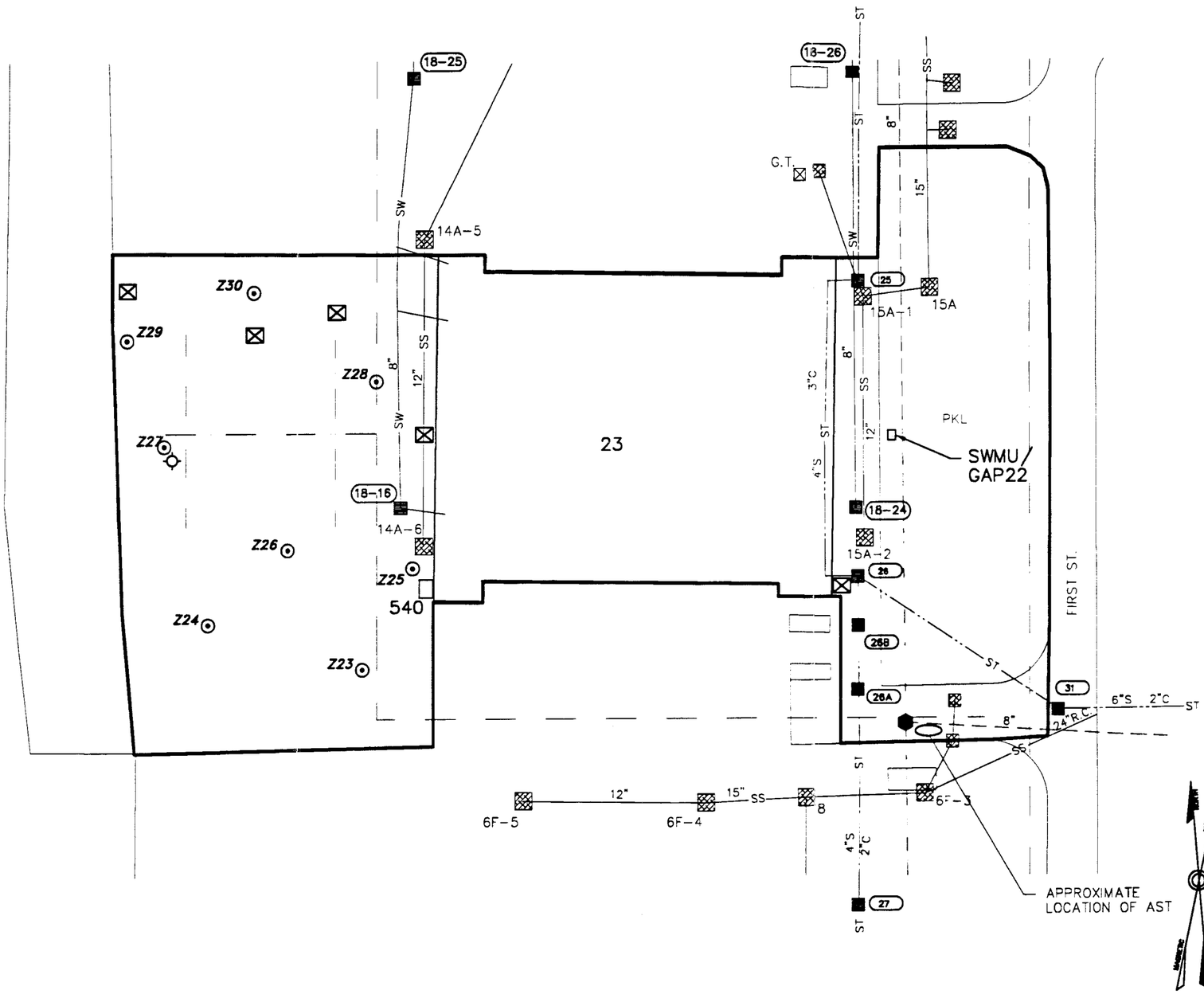
14A-5 MANHOLE & No.

CATCH BASIN

—SS— STORM SEWER LINE

MATERIALS:

R.C. – REINFORCED CONCRETE



SCALE IN FEET

80 0 80 160 240

1" = 80'

NAVAL AIR STATION, ALAMEDA

FIGURE 6-190-1
PARCEL 190
PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO. 19590190.DWG	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS: PWC 17,629 (STORM DRAINS) PWC 108,728 (SANITARY SEWER) PWC 23,997 (INDUSTRIAL WASTES) HISTORIC DWGS IN EBS DATABASE (FUEL LINES)
SCALE AS NOTED	DATE: 2.10.95/2121.98.45 SHEET 1 OF 1

TABLE 6-190-1

Summary of Recommended Samples
NAS Alameda Parcel 190

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z6-24-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-25-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-26-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-27-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-27-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-28-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-29-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-30-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC

were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 6.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1941; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Buildings 23 and 540), one structure (RCRA Site SWMU/GAP 22), five hazardous materials storage lockers, and one aboveground storage tank cover approximately 45 percent of the parcel. The remaining 55 percent is open space. In general, the parcel area is presently in use as an aircraft maintenance area, with parking and materials storage in the open space. Two buildings were formerly located on the parcel and have since been demolished. Underground fuel and sewer lines are present at this parcel and are shown in Figure 6-190-1.

Parcel 190 is located approximately 300 feet west of an Installation Restoration (IR) Program site (IR Site 5, Building 5). Previous investigations have not been conducted at Parcel 190 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Buildings 23 and 540

Because Building 540 is annexed to Building 23 and shares a common wall with Building 23, Buildings 23 and 540 will be discussed together. Building 23 was constructed in 1941 and has since served as an aircraft maintenance hangar (Figure 6-190-1). This one-story building covers approximately 67,000 square feet (220 feet wide by 300 feet long) and is in moderately good condition. Building 23 is constructed of a steel frame with external siding, a concrete floor, and a steel-frame, built-up roof. Offices are located in the built-up loft areas on the west and east sides of the building. Building 540 is located directly adjacent (i.e., a lean-to) to the southwest side of Building 23. Building 540 houses a

diesel generator. An aboveground storage tank (AST), which provides fuel to the diesel generator, is located adjacent to Building 540.

Utilities located within and immediately surrounding Buildings 23 and 540 include underground sanitary sewer, storm sewer, steam, water, electricity, abandoned fuel, and industrial sewer lines. Several transformers are also located in the northeast and northwest transformer rooms in Building 23. These transformers, which appeared relatively new, either contain less than five parts per million PCBs or are of unknown PCB classification. No staining was noted beneath or near the transformers during the site inspection. No permits appear to have been issued for these buildings.

Information collected during the EBS indicates that activities conducted within this building include light aircraft maintenance. It appears that Building 23 has been used for this purpose continually since its construction. Light aircraft maintenance typically involves oil changes, minor repairs, and replacing worn equipment, such as tires. These maintenance activities are believed to have been conducted in most areas of the building. Maintenance activities typically involve the use of chemicals including solvents and petroleum products (especially lubricating oils), and the generation of waste products including waste oils. A paint booth is located in the southeast corner of Building 23. Maintenance activities and related chemical use and storage have occurred within Building 23 from 1941 to present.

Less than 50 gallons of paints were stored in a flammable materials locker that was located in the southeast corner of the paint booth area. Less than five pounds of both Freon and greases were stored in a cabinet in the second room located north of the southern stairwell. In the first two rooms in the southwest portion of the building, on the loft floor off of the main hangar, approximately 475 gallons of non-halogenated organic compounds and 10 pounds of halogenated organic compounds were stored on benches, shelves, tables, and on the concrete floor. No secondary containment system was present.

No documented spills were found during review of the EBS data. According to site inspection data, however, scattered staining covered approximately 30 percent of the floor in the second room from the southwest corner of the building, on the loft floor. A black, low intensity stain measuring approximately eight square feet was noted on the hangar floor in the southeast corner of the building. No staining was noted around Building 540 or the AST.

Building 23 is not equipped with a heating ventilation air-conditioning (HVAC) system. Based on the age of Building 23, asbestos-containing materials (ACM) may be present. It was noted during the building

inspection that the northeast corner of the building on the office-loft floor had deteriorating ceiling tiles and paint, which appeared to create the dusty atmosphere observed during the site inspection. Dusty conditions were a building-wide issue.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within Building 23.

Buildings 313 and 322 (Demolished)

Building 313 and Building 322 were constructed in 1942 and served as a small arms/pyrotechnic storage area and a hazardous/flammable storage area, respectively. Both one-story buildings were demolished between 1953 and 1958. Each building covered approximately 100 square feet. Construction materials used for these buildings are unknown.

Open Space

Open space covers approximately 55 percent of Parcel 190. The ground surface of the open space is completely paved. Approximately 20 percent of the paved area is surfaced with asphalt and 80 percent is covered with concrete. The pavement is in good condition. In general, the open space has been used for aircraft washdown, parking, maneuvering, and fueling.

Structures located within the open space include hazardous materials storage lockers and the SWMU/GAP 22 site (Figure 6-190-1). Buildings 313 and 322 were formerly located in this open space.

Utilities located within and immediately surrounding the open space on Parcel 190 include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines, and overhead electrical lines.

EBS information indicates that activities conducted within this open space include fueling, aircraft maneuvering, vehicle parking, and storage of equipment and materials. These activities have occurred on Parcel 190 from 1941 to the present.

According to site inspection data, three of the five hazardous materials storage lockers located in the northwest portion of the parcel were empty. The materials historically stored in these lockers are unknown. In addition it is unknown how long the lockers have been in their present location. An aboveground storage tank (AST) located next to

Building 540 appears to store diesel fuel for the generator located within Building 540.

No staining other than normal staining related to vehicle and maintenance equipment parking was noted during the site inspection. Significant staining located west of Building 23 was noted on historical aerial photographs dated 1947 through approximately 1970. This staining may be related to the aircraft fueling and maintenance activities historically conducted.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 190 is bounded by Parcel 23 to the west, Parcels 30, 31, and 204 to the south, Parcel 32 to the north, and Parcels 46, 47, 48 and 49 to the east. First Street borders Parcel 190 to the east. IR Site 5 (Building 5, Parcel 54) is located on the east side of Parcels 46, 47, 48, and 49. Activities of concern on adjacent parcels include aircraft maintenance, fueling, taxiing, painting and finishing, and washdown on Parcels 30, 31, 204, and 32. One underground storage tank (Tank 614-1) is located on Parcel 49, approximately 100 feet southeast of Parcel 190.

RCRA Sites

This subsection identifies the RCRA Site and requirements associated with this site on the parcel, consistent with objectives described in Section 1 of the Shell Workplan. One RCRA site (SWMU/GAP 22) is located at this parcel. SWMU/GAP 22 is composed of two Bowser 55-gallon drums. Chemicals of concern associated with this site include oil, solvents, paint-related material, rags, and hydraulic fluid. There is no evidence that any chemicals were released from this site. This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, SWMU/GAP 22 has not been identified as a potential release area.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 190, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-190-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, and radiological concerns. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in corresponding protocols presented in Section 3.

Although no industrial hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 23. Surfaces within the paint booth area located in the southeast portion of Building 23 were coated with dust during the site inspection. A one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Historical aerial photographs indicate that Parcel 190 was completely paved since at least 1947. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 190.

Once the data gaps in Table 6-190-2 are addressed and screening-level sampling results from the target area described below are compared to the appropriate screening levels, Parcel 190 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-190-2

Summary of Data Gaps
NAS Alameda Parcel 190

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) is located approximately 300 feet east of Parcel 32. Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Open Space, Aircraft Maintenance and Support Area.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-190-2

Summary of Data Gaps
NAS Alameda Parcel 190

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, industrial sewer, electrical, and water lines identified.
- Fuel Lines	• Underground fuel lines identified.
- Steam Lines	• Steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

One zone-wide target area and no parcel-specific target areas were identified for Parcel 190. This subsection of the PEP provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 6. The nature and location of the zone-wide target area were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Zone 6 Target Area 1 (Open Space Aircraft Maintenance and Fueling Areas): This target area includes the open space of Parcels 30, 31, 32, 33, 34, 35, 191, and 192 within the Western Hangar Zone. The aerial extent of this target area is defined by the widespread staining observed in historical aerial photographs as a result of the aircraft fueling and maintenance activities conducted in this area. The largest and heaviest stains corresponded to aircraft parking locations and the borders of hangar buildings. Sixty-five soil vapor samples and 13 subsurface Geoprobe soil samples will be collected from this zone-wide target area. The proposed zone-wide target area samples on Parcel 190 are listed on Table 6-190-1.

In addition, concerns pertaining to industrial hygiene, asbestos, lead-based paint, PCBs, underground lines, radiological issues, and the impacts of IR Site 5 must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Screening-Level Investigation

Soil vapor sampling (SOP 6) and subsurface Geoprobe soil sampling (SOP 14) are the screening-level investigation techniques that will be used to assess conditions in the zone-wide target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Exact sampling locations will be determined in the field, based on visual observations of staining, pavement conditions, and accessibility restrictions. Table 6-190-1 summarizes the screening-level sampling and analysis recommended for the zone-wide target area on Parcel 190. Seven of the 65 soil vapor samples and one of the 13 will be collected from the zone-wide locations shown on Figure 6-190-1. Sampling will be conducted in accordance with the

referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: surface soil sampling (SOP 3), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-191

PARCEL 191 EVALUATION PLAN

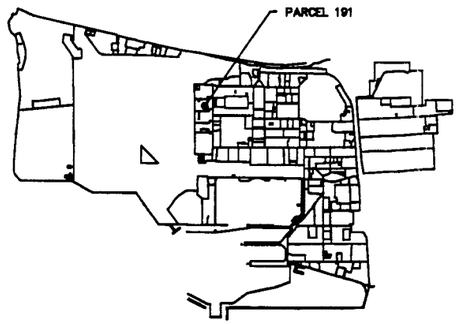
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 191 at NAS Alameda (Figure 6-191-1). The parcel, which is located in the north-central portion of the base, is approximately six acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA site (SWMU/GAP 20). One zone-wide and no parcel-specific target investigation areas (target areas) were identified at Parcel 191. Soil vapor sampling and subsurface Geoprobe soil sampling will be used to accomplish the screening-level investigation. Table 6-191-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 191, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 191, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 29, 30, 31, 32, 33, 34, 35, 36, 37, 190, 192, 193, and 204. This parcel zone has been designated the Western Hangar Zone (Zone 6). The Western Hangar Zone encompasses the parcels located west of Building 5 that are primarily used for aircraft maintenance and support activities. During the sampling program development, the parcels located in this zone



KEY PLAN

GENERAL LEGEND

PARCEL OUTLINE

6 SOIL VAPOR SAMPLE & No.

GeoProbe SOIL SAMPLE

FUEL LINE LEGEND

FUEL LINES ABANDONED

SANITARY SEWER LINE LEGEND

18–25 SANITARY SEWER MANHOLE & No.

G.T. GREASE TRAP

—SW— SANITARY SEWER LINE

MATERIALS:

C.I. – CAST IRON

NOTES:

1. ALL SANITARY SEWERS ARE VITRIFIED CLAY PIPE UNLESS NOTED OTHERWISE.

STEAM & CONDENSATE LINE LEGEND

43 STEAM & CONDENSATE MANHOLE & No.

CONDENSATE PUMP

STEAM & CONDENSATE LINE

INDUSTRIAL WASTE LINE LEGEND

INDUSTRIAL WASTE MANHOLE

INDUSTRIAL WASTE LINE

STORM DRAIN LEGEND

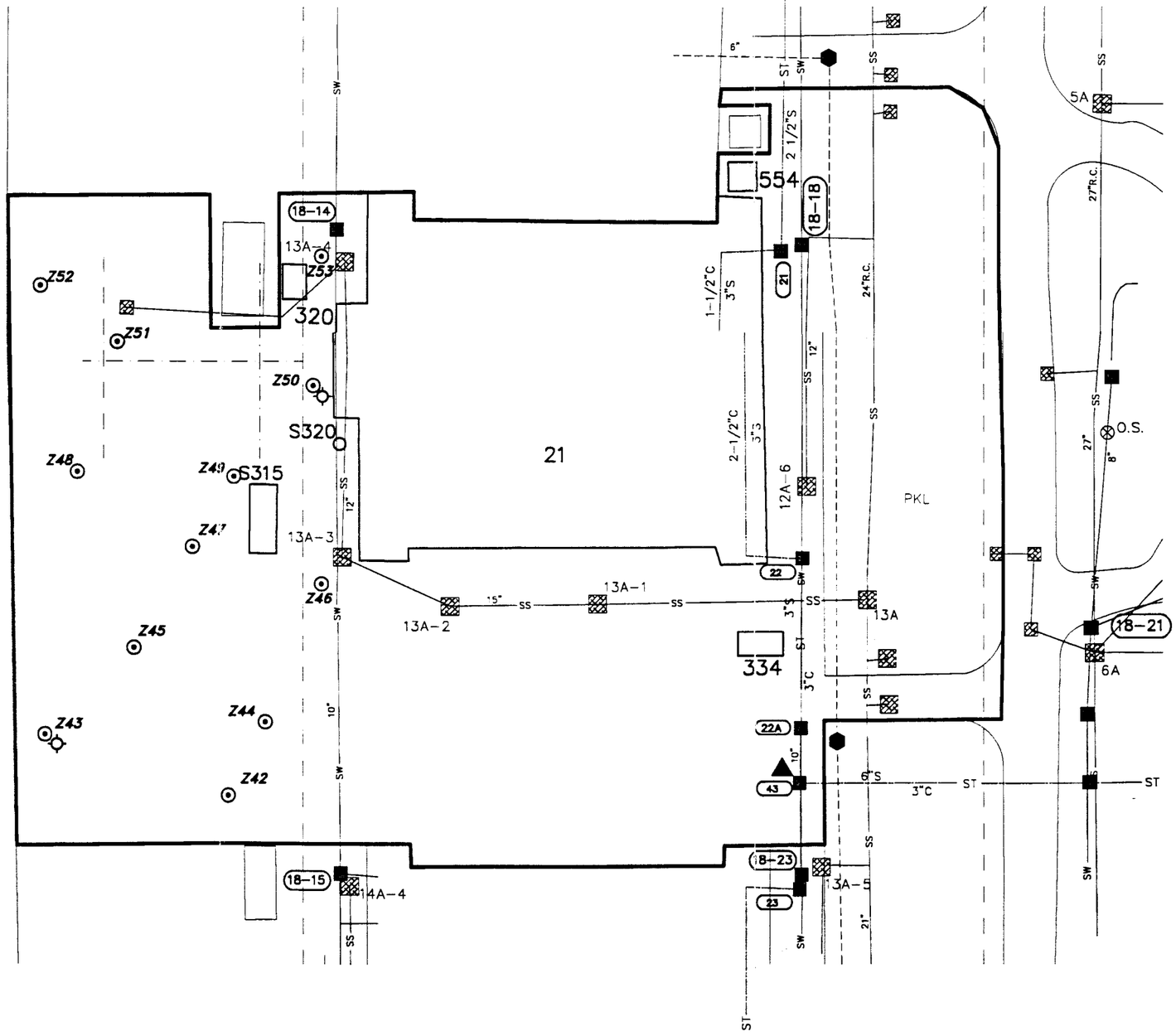
14A–5 MANHOLE & No.

CATCH BASIN

—SS— STORM SEWER LINE

MATERIALS:

R.C. – REINFORCED CONCRETE



SCALE IN FEET

80 0 80 160 240

1" = 80'

NAVAL AIR STATION, ALAMEDA

FIGURE 6–191–1
PARCEL 191
PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO.	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS:
19590191.DWG	PWC 17,529 (STORM DRAINS) PWC 108,728 (SANITARY SEWER) PWC 23,997 (INDUSTRIAL WASTES) HISTORIC DWGS IN EBS DATABASE (FUEL LINES)
SCALE AS NOTED	DATE: 2.10.95/2121.98.45 — SHEET 1 OF 1

TABLE 6-191-1

Summary of Recommended Samples
NAS Alameda Parcel 191

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z6-42-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-43-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-43-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Zone 06 Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-44-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-45-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-46-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-47-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-48-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-49-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-50-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-50-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Zone 06 Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS

TABLE 6-191-1

Summary of Recommended Samples
NAS Alameda Parcel 191

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z6-51-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-52-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-53-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC

were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide concerns are described in the Zone Analysis Plan for Zone 6.

Filling began in 1940 and was completed in the area covered by this parcel in approximately 1941. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The ground level and grading have not changed significantly since that time.

Currently, five buildings (Buildings 21, 334, 315, 320, and 554) cover approximately 25 percent of the parcel. The remaining 75 percent is open space. The parcel area is presently in use as a maintenance hangar and related support facilities. Documents indicate that former Building 329 was demolished in 1953, nine years after being constructed as a line maintenance shelter. Building 334 has been scheduled for demolition. Underground fuel and sewer lines are present at this parcel and are shown in Figure 6-191-1.

Parcel 191 is located approximately 500 feet northwest of an Installation Restoration (IR) Program site (IR Site 5, Building 5). No previous investigations have been conducted at Parcel 191 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 21

Building 21 was constructed in 1941 and has served as a maintenance hangar since that time (Figure 6-191-1). This building covers approximately 65,500 square feet (approximately 260 feet long by 230 feet wide) and is in fair condition. Building 21 is a one-story building with loft space on the east and west ends. It is constructed with a steel frame and external siding and features a concrete floor and steel-frame, built-up roof.

Utilities located within and immediately surrounding Building 21 include underground sanitary sewer, storm sewer, steam, water, electrical, and industrial sewer lines. No permits appear to have been issued for this building.

Information collected during the EBS indicates that activities conducted within this building include light aircraft maintenance. It appears that Building 21 has been used for this purpose continually since its construction. Light aircraft maintenance typically involves oil changes, minor repairs, and changing of worn equipment, such as tires. These activities are believed to have been conducted in most areas of the building. This activity typically involves the use of chemicals, including solvents and petroleum products (especially lubricating oils), and the generation of waste products, including waste oils. These activities and related chemical use and storage have occurred within Building 21 from 1941 to the present.

Documents show that non-halogenated organic compounds and paint have been stored and used in Building 21. At the time of the site inspections, approximately 30 gallons of non-halogenated organic compounds were stored in Building 21. Small amounts of lubricant are stored in an aircraft shop behind the fourth door located south of the north stairwell in Building 21. The south part of Building 21's west wing annex contains small quantities of hydraulic fluid, aerosol cleaners, and lubricants. A chemical inventory in 1993 reveals that up to 150 gallons of non-halogenated organic compounds, halogenated organic compounds, paint, and petroleum products were stored in Building 21 at that time. Up to 275 gallons of waste non-halogenated organic compounds and paint has been documented to be stored in Building 21. No documented spills or stains were observed during EBS review. The concrete floors are reportedly cleaned regularly, thus evidence of any releases is likely to be minimal.

Building 21 does not appear to contain a heating-ventilation-air conditioning (HVAC) system. Organic vapor odors were noted in Building 21, as well as significant amounts of accumulated dust. Boiler overflow was noted in two boiler rooms at the north end of the building on the first floor of Building 21; one on the east side and one on the west side.

During the site inspection it was noted that there may be boiler and steam pipe insulation of sufficient age to potentially consist of asbestos-containing materials. Peeling potentially lead-based paint was noted on the interior and exterior surfaces of Building 21. EBS information indicates that PCB-containing transformers were present in the northeast and northwest vault areas of Building 21 in 1987. Transformers were observed in these areas during the site inspection; all of the transformers looked relatively new. No significant staining was observed in the transformer vaults during the site inspection.

Building 21 has suffered significant earthquake damage. The southern half of the annex located on the west side of the building is closed as a result of damage incurred during the 1989 Loma Prieta earthquake. The foundation blocks have separated, creating a one-inch gap in the annex. No other incidents such as fires, mishaps, or flooding are documented to have occurred within Building 21.

Building 554

Historical aerial photograph review indicates that Building 554 was constructed between 1970 and 1975, and has served as Electrical Substation 7 since that time (Figure 6-191-1). This building covers approximately 1,000 square feet and is in fair condition. Building 554 is constructed of concrete, with a concrete floor and a corrugated metal ceiling. Utilities located within and immediately surrounding Building 554 include underground sanitary sewers, storm sewer, water, and electrical lines. No permits appear to have been issued for this building.

Information collected during the EBS indicates that activities conducted within this building have been confined to typical operations of an electrical substation. An air circuit breaker is located on the premises, as is a transformer compound. The transformer compound is located adjacent to the building on the north side. No PCB concerns appear to exist at the transformer compound; the oil-filled transformer is clearly labeled "No PCBs."

No chemical storage or use is documented to have occurred in this building. There were no spills (documented or otherwise) mentioned in the site inspection reports for Building 554. Historical aerial photographs do not indicate significant staining in this area of the parcel.

Building 554 does not appear to contain an HVAC system. No other incidents such as fires, mishaps, or flooding are documented to have occurred within or near Building 554.

Building 334

Building 334 was constructed in 1948 and served as a flammable and hazardous materials storage shed (Figure 6-191-1). This building covers approximately 300 square feet and is in fair condition. Building 334 is a typical Quonset hut building with corrugated steel walls and roof, and a concrete floor. This building is scheduled to be demolished. No permits appear to have been issued for Building 334. Utilities located

within and immediately surrounding Building 334 include underground sanitary sewer, storm sewer, water, and electrical lines.

Information collected during the EBS indicates that this building was used to store hazardous and flammable materials when it was first constructed. There is no information regarding the length of time the building has been used for chemical storage. Currently, Building 334 is used both as a small paint spray booth and for dry goods storage. Less than 10 gallons of paint were stored in a hazardous materials locker at the time of the site inspection. In 1993, 500 gallons of non-halogenated organic compounds, paint, petroleum products, and metals were documented to be stored in this building.

No staining or spills have been documented in Building 334. The floor was clean during the site inspection. Building 334 does not appear to contain an HVAC system. No other incidents such as fires, mishaps, or flooding are documented to have occurred within or near Building 334.

It was noted during visual inspection that there may be insulation of sufficient age to consist of asbestos-containing materials. Peeling potentially lead-based paint was noted inside and outside of Building 334 during the site inspection.

Buildings 315 and 320

Buildings 315 and 320 were constructed in 1942 and served as small arms/pyrotechnics magazines (Figure 6-191-1). These one-story buildings are in fair condition. Buildings 315 and 320 are corrugated metal, trailer-type buildings. These buildings are currently used as office space cover approximately 100 square feet each. Although EBS information indicates that these buildings are used for both office space and ammunition storage, site inspection data indicate that they are currently used for office space only.

Utilities located within and immediately surrounding Buildings 315 and 320 include industrial waste, water, electrical, steam, and storm sewer lines. No permits appear to have been issued for these buildings.

Ordnance was stored in Buildings 315 and 320 for an unknown period of time. Typically, ordnance was reportedly imported and exported from NAS Alameda intact and packaged (i.e., NAS Alameda was a transfer point only). Chemical storage has not been documented to have occurred in these buildings. No spills or stains were noted within Buildings 315 and 320 during the site inspection.

Buildings 315 and 320 do not contain HVAC systems. No other incidents such as fires, mishaps, or flooding are documented to have occurred within Buildings 315 and 320.

Open Space

Open space covers approximately 75 percent of Parcel 191. The ground surface is approximately 70 percent paved with concrete and 30 percent paved with asphalt. The pavement is generally in good condition, although it is cracked in some areas. The open space has been used for vehicle and aircraft parking, maneuvering, and washdown.

Structures located within the open space include storage sheds and hazardous materials lockers. Building 329 was formerly located in the open space. This building served as a line maintenance shelter and was demolished in 1953. Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines. No permits appear to have been issued for processes occurring within this open space.

Site inspections, interviews, and a review of historical records and aerial photographs indicate that activities conducted in this area include general aircraft and vehicle parking and maneuvering, aviation gasoline (AVGAS) fueling on the west side of Building 21, and aircraft washdown southeast of Building 20. It is unknown when fueling was discontinued west of Building 21. An interview with Navy personnel indicates that six additional hazardous materials lockers were formerly located in this area. Various cleaners, solvents, and oils were reportedly stored in the lockers. The lockers were removed when the base-wide centralization of hazardous materials and wastes was implemented in approximately 1992. No staining was noted in this area during the site inspection. This area is likely RCRA Site SWMU/GAP 20.

No spills have been documented, although some spills likely occurred during fueling operations. Historical aerial photograph review indicates significant, widespread staining existed west of Building 21 between approximately 1947 and 1970. This staining may be associated with aircraft exhaust or fueling operations. Typical vehicle parking stains were also noted throughout the parcel.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space on Parcel 191.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 191 is bounded by Parcels 23, 34, 192, 36, 43, 45, 32, and 33. No IR sites are located at any of these parcels. Activities of concern on Parcels 32 and 192 include aircraft maintenance, historical fueling, and aircraft washdown. First Street borders Parcel 191 to the east.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with this site on the parcel, consistent with objectives described in Section 1 of the Shell Workplan. One RCRA site (SWMU/GAP 20) is located at Parcel 191. This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, SWMU/GAP 20 does not require further investigation. SWMU/GAP 20 was noted during the site inspection but it is not listed in the NAS Alameda RCRA Site Summary.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 191, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-191-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, and radiological concerns. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewers is discussed in corresponding protocols presented in Section 3.

TABLE 6-191-2

Summary of Data Gaps
NAS Alameda Parcel 191

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) is located approximately 500 feet southeast of Parcel 191. Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Open Space, Aircraft Maintenance and Fueling Areas.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-191-2

Summary of Data Gaps
NAS Alameda Parcel 191

Data Gap	Status/Description
Underground Utilities	• Storm sewer lines identified.
- Fuel Lines	• Underground fuel lines identified.
- Steam Lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Although no industrial hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Buildings 21, 334, 315, 320, and 554. The one-time compliance program will determine whether further sampling or cleanup measures are required within these buildings before transfer or lease can occur.

Once the data gaps in Table 6-191-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 191 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

No parcel-specific target areas were identified for Parcel 191. However, this parcel was affected by the following zone-wide target area:

- Zone 6 Target Area 1 (Open Space Aircraft Maintenance and Fueling Areas): This target area includes the open space of Parcels 30, 31, 32, 33, 34, 35, 190, 191, and 192 within the Western Hangar Zone. The aerial extent of this target area is defined by the widespread staining observed in historical aerial photographs as a result of the aircraft fueling and maintenance activities conducted in this area. The largest and heaviest stains corresponded to aircraft parking locations and the borders of hangar buildings. Sixty-five soil vapor samples and 13 subsurface Geoprobe soil samples will be collected in Zone 6 to assess potential releases of chemicals to subsurface soil via cracks in the concrete. This target area has been classified as having a potential likelihood of impacts. Samples to be collected in this parcel are listed in Table 6-191-1.

Screening-Level Investigation

Soil vapor sampling (SOP 6) and subsurface Geoprobe soil sampling (SOP 14) are the screening-level investigation techniques that will be used to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Twelve of the 65 soil vapor samples and two of the subsurface Geoprobe soil samples will be collected from the zone-wide locations shown on Figure 6-191-1. Table 6-191-1 summarizes screening-level sampling and analysis for the parcel's target areas. The sample locations are shown on Figure 6-191-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-

level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: surface soil sampling (SOP 3), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-192

PARCEL 192 EVALUATION PLAN

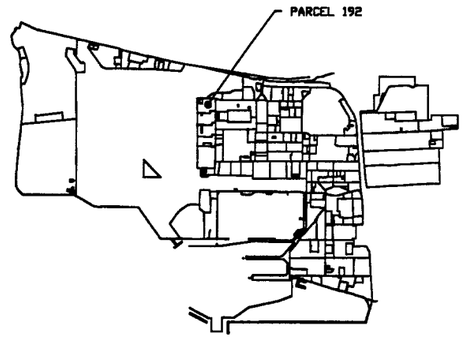
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 192 at NAS Alameda (Figure 6-192-1). The parcel, which is located in the north-central portion of the facility east of the airfield, is 6.5 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives as outlined in Section 1 of the Shell Workplan. The parcel is 6.5 acres in size and is roughly rectangular in shape. This parcel contains one RCRA site (SWMU/GAP 19). Three parcel-specific and one zone-wide target investigation area (target area) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling, soil vapor sampling, and subsurface Geoprobe sampling. Table 6-192-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 192, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 192, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 29, 30, 31, 32, 33, 34, 35, 36, 37, 190, 191, 193, and 204. This parcel zone has been designated the Western Hangar Zone (Zone 6). The Western Hangar Zone encompasses the parcels located west of Building 5 that are primarily



KEY PLAN

GENERAL LEGEND

PARCEL OUTLINE

6 SOIL VAPOR SAMPLE & No.

2 GeoProbe SAMPLE & No.

24 SURFACE SOIL SAMPLE & No.

1 TARGET AREA & No.

FUEL LINE LEGEND

FUEL LINES ABANDONED

SANITARY SEWER LINE LEGEND

18-25 SANITARY SEWER MANHOLE & No.

G.T. GREASE TRAP

—SV— SANITARY SEWER LINE

MATERIALS:

C.I. - CAST IRON

NOTES:

1. ALL SANITARY SEWERS ARE VITRIFIED CLAY PIPE UNLESS NOTED OTHERWISE.

STEAM & CONDENSATE LINE LEGEND

21 STEAM & CONDENSATE MANHOLE & No.

—ST— STEAM & CONDENSATE LINES

INDUSTRIAL WASTE LINE LEGEND

INDUSTRIAL WASTE MANHOLE

INDUSTRIAL WASTE LINE

STORM DRAIN LEGEND

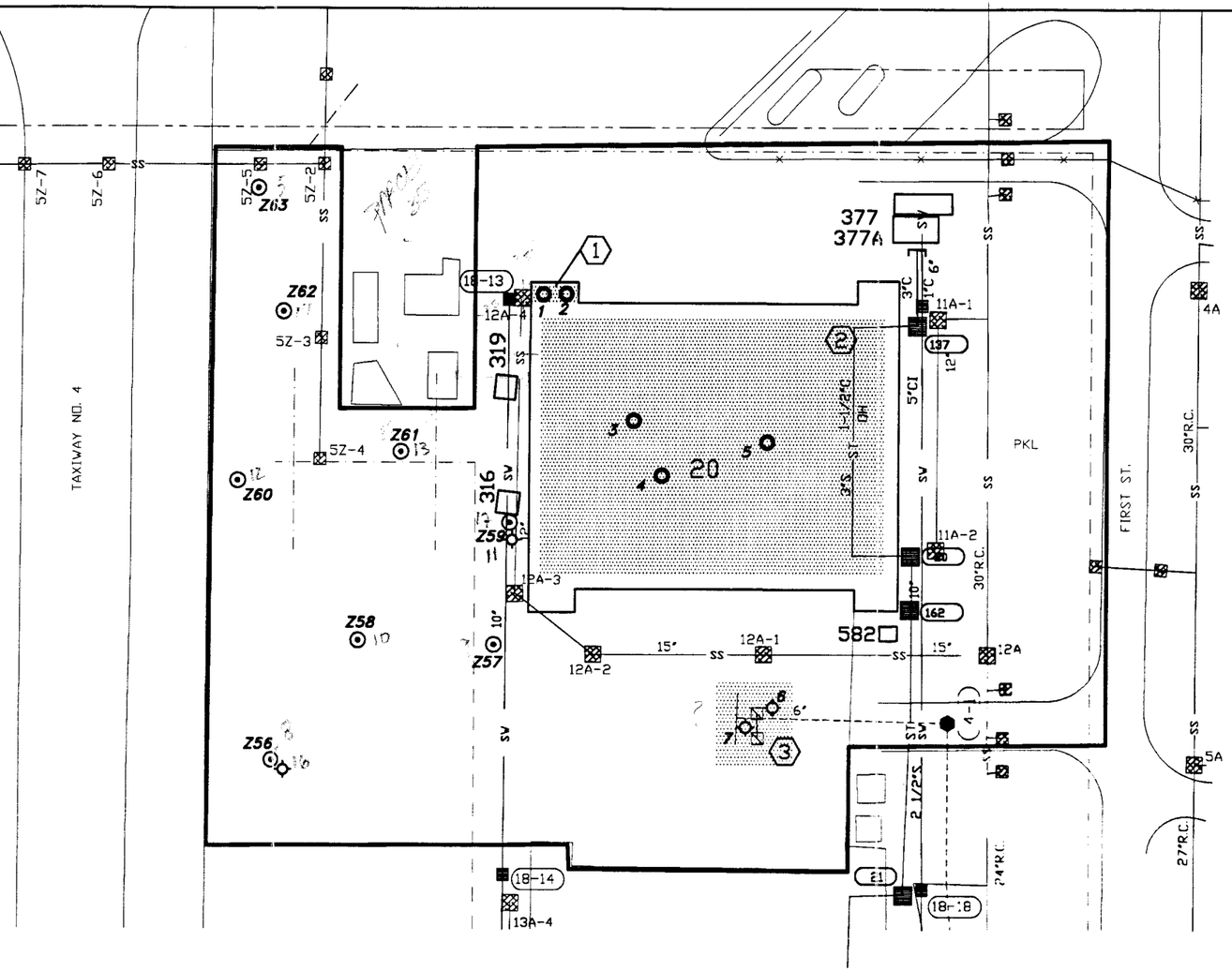
14A-5 MANHOLE & No.

CATCH BASIN

—SS— STORM SEWER LINE

MATERIALS:

R.C. - REINFORCED CONCRETE



SCALE IN FEET

100 0 100 200 300

1" = 100'

NAVAL AIR STATION, ALAMEDA

FIGURE 6-192-1
PARCEL 192
PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO.	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS:
19590192.DWG	PWC 17,629 (STORM DRAINS) PWC 108,728 (SANITARY SEWER) PWC 23,997 (INDUSTRIAL WASTES) HISTORIC DWGS IN EBS DATABASE (FUEL LINES)

SCALE AS NOTED	DATE: 2.10.95/2121.96.45	SHEET 1 OF 1

TABLE 6-192-1

Summary of Recommended Samples
NAS Alameda Parcel 192

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
192-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lubrication oil	TPH	Test Kit
192-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Lubrication oil	TPH	Modified EPA 8015
192-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lubrication oil	TPH	Test Kit
192-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Lubrication oil	TPH	Test Kit
192-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Solvents	VOCs	CLP RAS
192-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Lubrication oil	TPH	Test Kit
192-4-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Solvents	VOCs	CLP RAS
192-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Lubrication oil	TPH	Test Kit
192-5-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 2	Lubrication oil, solvents	TPH, VOCs	Modified EPA 8015, CLP RAS
192-6-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	Lubrication oil, AVGAS	TPH	Test Kit
192-6-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	Lubrication oil, AVGAS, solvents	TPH, VOCs	Modified EPA 8015, CLP RAS
192-7-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	Lubrication oil, AVGAS	TPH	Test Kit
192-7-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	Lubrication oil, AVGAS, solvents	TPH, VOCs	Modified EPA 8015, CLP RAS
Z6-56-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-56-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Zone 06 Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-57-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC

TABLE 6-192-1

Summary of Recommended Samples
NAS Alameda Parcel 192

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z6-58-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-59-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-59-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Zone 06 Target Area 1	TPH, VOCs, SVOCs, metals	TPH, VOCs, SVOCs, metals	Modified EPA 8015, CLP RAS
Z6-60-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-61-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-62-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC
Z6-63-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 06 Target Area 1	Non-halogenated/ Halogenated Org.	VOCs	GC

*These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

used for aircraft maintenance and support activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide concerns are described in the Zone Analysis Plan for Zone 6.

Filling began and was completed in the area within the parcel boundaries in approximately 1941. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The ground level and grading have not changed significantly since that time.

Currently, six buildings (Buildings 20, 582, 377, 377A, 316, and 319) cover approximately 25 percent of the parcel. The remaining 75 percent is open space. The parcel area is presently in use as a hangar and related support facilities. Underground fuel and sewer lines are present at this parcel and are shown in Figure 6-192-1.

Parcel 192 is located approximately 500 feet west of an Installation Restoration (IR) Program site (Building 5). Previous investigations have not been conducted at Parcel 192 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 20

Building 20 was constructed in 1941 and has served as a maintenance hangar since that time. This building is in fair condition. Building 20 is a one-story building with loft office space on the east and west ends. It is constructed with a steel frame and external siding and features a concrete floor and steel-frame, built-up roof. Building 20 covers approximately 65,500 square feet in area, is approximately 260 feet long by 230 feet wide, and currently houses a squadron of ten helicopters. The space occupied by Building 20 does not appear to have been used prior to construction of Building 20. Utilities located within and immediately surrounding Building 20 include underground, sanitary sewer, storm sewer, steam, water, electric, and industrial sewer lines. No permits appear to have been issued for this building.

Information collected during the EBS indicate that activities conducted within this building included light aircraft maintenance. It appears that Building 20 has been used for this purpose continually since its construction. Light aircraft maintenance typically involves oil changes, minor repairs, and changing of worn equipment, such as tires. These maintenance activities are believed to have been conducted in most areas of the building. This activity typically involves the use of chemicals, including solvents and petroleum products (especially lubricating oils), and the generation of waste products, including waste oils. There is a general, cordoned-off storage area located in the north-central portion of Building 20. These activities and related chemical use and storage have occurred within Building 20 from 1941 to the present.

Documents show that non-halogenated organic compounds, petroleum products, and corrosives have been stored and used in Building 20. A maximum of approximately 600 gallons of the above chemicals were stored in Building 20; these chemicals and amounts are likely typical of normal storage inventories. In addition, 500 gallons of petroleum products were also documented as having been stored in Building 20 in 1993. Because this notation was made relative to the hazardous waste classification, this may denote storage of used petroleum products. Daily collection to a centralized location is the disposal option currently used for waste oils and solvents. The centralized disposal location is outside the northwest corner of Building 20. The collection system has been in effect since approximately the beginning of 1994.

No documented spills were noted during document review. During the building inspection, it was noted that floors are mopped regularly, and that the resultant wastewater is discharged into the drain that is connected to an oil/water separator located in the aircraft washdown area outside the building. Based on the site walk, the floor was noted to be in relatively good condition, although there were cracks in between the floor sections that were approximately 1-inch wide and 1-inch deep. It is unknown if these cracks penetrate to soils underlying the foundation.

A review of site inspection data indicates that undocumented spills may have occurred as evidenced by staining in approximately 3-foot-by-4-foot patches inside Building 20 beneath parked helicopters. These stains appear to be dark and oily. The western end of the slide track for the northern hangar door was also noted during the building inspection to be stained (2 feet by 3 feet) by what appears to be lubricating oil used for the sliding doors. There is a 30-foot-by-0.5-foot area of exposed, damp soil on the side of the track opposite from the staining.

An oily, dark stain (2 feet by 11 feet) was also noted in the southeast corner of Building 20, where the southern sliding door rests when it is open. Outside Building 20 in this same area is a wooden shed that is currently storing approximately eight, 1-gallon containers of cleaning products containing petroleum distillates. Aerial photograph review indicates that there was extensive staining located west of Building 20 of unknown origin, although it may be related to historic fueling activities.

Building 20 does not appear to contain a heating ventilation air conditioning (HVAC) system designed to mitigate vapor and fume accumulation. No air inlets or exhaust vents were noted during the site walk. Open hangar doors may provide adequate ventilation.

It was noted during the visual inspection that there may be boiler and steam pipe insulation of sufficient age as to potentially consist of asbestos-containing materials (ACM). There is evidence that lead-based paint is a potential environmental concern in Building 20, as there is peeling paint on the north sliding door (in the Commanding Officer's office located in the southwest loft area) and in the boiler room (Room 154). PCB-containing transformers are listed in the inventory as present in the northeast and northwest vault areas of Building 20 on dates in 1986 and 1987. These transformers were not seen during the building inspection, and it is unknown if they are still present. One transformer was seen during the visual inspection next to room 147; there was no sign of release in this area.

No other incidents, such as fires, mishaps, flooding, or crashes are documented to have occurred within Building 20.

Building 582

Building 582 was constructed in 1975 and serves as a detached wash rack (Figure 6-192-1). This building is in moderately good condition. Building 582 is a one-story building. It is constructed of corrugated steel (floor construction is unknown) and covers an area of approximately 90 square feet. The space presently occupied by Building 582 was formerly open space used for aircraft parking and maneuvering.

Utilities located within and immediately surrounding Building 582 include underground sanitary sewer, storm sewer, steam, water, electrical, and abandoned fuel lines. No permits appear to have been issued for this building.

Information collected during the EBS indicate that activities conducted within and immediately surrounding this building consisted of aircraft washdown. Aircraft washdown typically involves the use of steam

cleaners and chemicals, including detergents, to washdown aircraft engines and bodies. Aircraft washdown processes occurred within and in the area immediately surrounding Building 582 from 1975 to the present. Typically, this process results in the creation of wastewater that may be contaminated with petroleum products. If the aircraft washdown soap contains degreasing agents, then the use of the soap may render the oil/water separator useless.

Aircraft washdown soap is documented to have been stored in and used at Building 582, probably during the time from 1975 to the present. The quantity of aircraft washdown soap stored in Building 582 is unknown. Disposal of used chemicals and released lubrication compounds (in wastewater) is accomplished via an oil/water separator.

No spills were noted during the document review. No staining was noted during the site walk within Building 582. Some staining that may be related to aircraft washdown activities was noted near the southeast corner of Building 20, and may be an accumulation of dirt and water. The size of this "stained" area was not noted.

Building 582 does not appear to contain an HVAC system. There is no evidence that lead-based paint or ACM are potential environmental concerns in Building 582. PCB-containing transformers do not appear to have been present in Building 582. No other incidents, such as fires, mishaps, flooding, or crashes are documented to have occurred within or immediately surrounding Building 582.

Buildings 316 and 319

Buildings 316 and 319 were constructed in 1942 and served as storage areas (Figure 6-192-1). These buildings are in good condition. Buildings 316 and 319 are both one-story buildings constructed of concrete with concrete floors and concrete roofs, and cover an area of approximately 100 square feet each. The space occupied by Buildings 316 and 319 was formerly open space used for aircraft parking and maneuvering.

Utilities located within and immediately surrounding Buildings 316 and 319 include underground sanitary sewer, storm sewer, water, electrical, and abandoned fuel lines. No permits appear to have been issued for these buildings.

Information collected during the EBS indicate that activities conducted within this building included small arms/pyrotechnic storage, hazardous materials storage, and, currently, storage of fuel sampling equipment. No detailed information is available regarding the types of hazardous materials stored in Buildings 316 and 319 or the periods of

time during which hazardous materials were stored in these areas. Ordnance was stored in Buildings 316 and 319 for an unknown period of time. Typically, ordnance was imported and exported from NAS Alameda intact and packaged (i.e., NAS Alameda was a transfer point only).

No documented spills or stains were noted during the document review and site inspections.

Buildings 316 and 319 do not appear to contain HVAC systems designed to mitigate vapor and fume accumulation. The building may contain ceiling tiles, floor tiles, and/or insulation of sufficient age as to potentially be composed of asbestos-containing materials. There is no evidence that lead-based paint is a potential environmental concern in Buildings 316 and 319. PCB-containing transformers do not appear to have been present in Buildings 316 and 319.

No other incidents, such as fires, mishaps, flooding, or crashes are documented to have occurred within or immediately surrounding Buildings 316 and 319.

Building 377

Building 377 was constructed in 1954 and served as a tank truck loading facility until 1969, at which time the building was converted for use as office space (Figure 6-192-1). This building is in moderately good condition. Building 377 is a one-story building constructed of concrete with a tile floor and wood-construction roof, and covers approximately 1,000 square feet in area. The space occupied by Building 377 was formerly open space used for aircraft parking and maneuvering.

Utilities located within and immediately surrounding Building 377 include underground sanitary sewer, storm sewer, water, electrical, and abandoned fuel lines. No permits appear to have been issued for this building.

Information collected during the EBS indicate that activities conducted within this building included tank truck loading. The specific activities conducted in and around Building 377 while it was a tank truck loading facility are not clear. The chemicals that may have been stored or transferred in conjunction with these activities is also unknown. Building 377 has been used for office space since approximately 1969. No chemicals were documented to have been stored or used in Building 377.

No documented spills or stains were noted during the document review and site inspections.

Building 377 does not appear to contain an HVAC system designed to mitigate vapor and fume accumulation. No outside air inlets or exhaust vents were noted during the site inspection. The building may contain insulation materials of sufficient age as to potentially be composed of asbestos-containing materials (ACM). There is no evidence that lead-based paint is a potential environmental concern in Building 377. PCB-containing transformers do not appear to have been present in Building 377, although there is a suspect transformer located adjacent to Buildings 377 and 377A. No other incidents, such as fires, mishaps, flooding, or crashes are documented to have occurred within Building 377.

Building 377A

The date of construction of Building 377A is unknown, though the aerial photographs indicate that it was built some time between 1963 and 1966. There is no historical use data available for Building 377A. This building is generally in good condition. Building 377A is a one-story building constructed of wood with a raised floor (on cinder blocks) and corrugated metal roof, and covers approximately 1,000 square feet.

Utilities located within and immediately surrounding Building 377A include underground sanitary sewer, storm sewer, steam, water, electrical, and active and abandoned fuel lines. No permits appear to have been issued for this building.

Documents show that chemicals including motor oil, antifreeze, and household cleaners have been stored in Building 377A in 1994. Less than approximately five gallons of each of the above chemicals are presently stored in Building 377A. No spills have been documented in Building 377A, and no staining was noted during the building inspection.

Building 377A does not appear to be equipped with an HVAC system. The building may contain materials that are of sufficient age as to potentially be composed of asbestos-containing materials. There is no evidence that lead-based paint is a potential environmental concern in Building 377A. PCB-containing transformers may be present adjacent to Building 377A.

No other incidents, such as fires, mishaps, flooding, or crashes are documented to have occurred within or immediately surrounding Building 377.

Open Space

Open space covers approximately 75 percent of the parcel. Open space on Parcel 192 has been and is currently used for vehicle and aircraft parking, maneuvering, washdown, and cleaning. Structures located within the open space include storage sheds and hazardous materials lockers that were constructed or installed at an unknown time. The open space is approximately 70 percent paved with concrete and 30 percent paved with asphalt. The pavement is generally in good condition, although it is cracked in some areas.

Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, water, electrical, fuel, and industrial sewer lines. There is also a telephone company manhole located near the northeast corner of Building 20 that is marked as containing flammable gases. No permits appear to have been issued for processes occurring within this open space.

Information collected during the EBS indicate that activities conducted within this open space included aviation gasoline (AVGAS) fueling on the west side of Building 20, aircraft washdown in the area of Building 582, and general aircraft and vehicle parking and maneuvering. Fueling processes could involve some spillage at the open space area on the west side of Building 20. It is unknown when fueling was discontinued west of Building 20. Aircraft washdown can result in used washdown soap and petroleum product residues in wastewater, which currently is disposed via an oil/water separator. It is unknown when the oil/water separator was installed or what disposal method was used prior to its installation. The depth of the oil/water separator will be determined during sampling.

There are two hazardous materials storage lockers located within the Parcel 192 open space. These lockers are all-metal construction, grounded, and are located northwest of Building 20. These lockers have apparently only been used for chemical and waste storage. One is estimated to contain a total of approximately 100 gallons of various petroleum products, aerosols, and corrosives. The other is a hazardous waste accumulation shed that contains paint, fuel, petroleum products, and chlorinated and non-chlorinated solvents and has a total capacity of approximately 350 gallons. There is evidence of release within the secondary containment for the hazardous waste accumulation shed. Drums were formerly stored outside this shed on the asphalt.

No spills have been documented, although some spills likely occurred during fueling operations. Oil staining was noted during the visual inspections near the washdown area south of Building 20. There is significant, wide-spread staining west of Building 20 that may be

associated with aircraft exhaust or fueling operations. Typical vehicle parking stains are located throughout the parcel.

No other incidents, such as fires, mishaps, flooding, or crashes are documented to have occurred within the open space.

Underground Storage Tanks

Three underground storage tanks associated with Building 549 may be present at this parcel. Building 549 is located on Parcel 35, which is inset into Parcel 192. It is unclear whether these tanks still exist in this area, and if so, where they are located.

Parcel Boundary Conditions

Parcel 192 is bounded by parcels 23, 34, 35, 36, 37, 41, and 191. The former and currently active fueling areas on Parcels 23 and 37 may cause additional concerns at the boundary of these parcels with Parcel 192. Abandoned fuel lines are listed as bordering Parcel 192 on the east side. These fuel lines are reported to have been abandoned and filled with water, and breaks in the lines are known to have occurred. According to interviews, AVGAS refueling occurred on the west side of Buildings 20-23 and ended when the fuel lines were abandoned, but it is unclear when the lines were abandoned.

No parcel contiguous with Parcel 192 are IR sites, therefore, no sampling is called for in this PEP in response to the nearby IR site at Building 5. If the continuing investigation at the Building 5 IR site reveals a cause for concern at Parcel 192, then additional sampling on Parcel 192 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with these sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. One RCRA site (SWMU/GAP 19) is located at this parcel. SWMU/GAP 19 is located northwest of Building 20. There is no evidence that any chemicals have been released from this site. Site SWMU/GAP 19 is comprised of two Bowser 55-gallon drums. The chemicals of concern associated with this site include oil, solvents, paint-related material, rags, and hydraulic fluid. The site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, the RCRA site at this parcel does not qualify

as a target area. The investigation and remediation of this RCRA site will be performed under the IR Program.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 192, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another category. The data gaps shown in Table 6-192-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently ongoing to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines is also addressed separately. Sampling associated with USTs, fuel lines, and sewers is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no industrial hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Buildings 20, 582, 377, 377A, 316, and 319. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-192-2 are addressed and screening-level sampling results from the target areas described below are compared to PRGs and background concentrations, Parcel 192 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Three parcel-specific target areas and one zone-wide target area were identified at this parcel.

This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed

TABLE 6-192-2

Summary of Data Gaps
NAS Alameda Parcel 192

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) is located within 500 feet east of Parcel 192. Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Open Space, Aircraft Maintenance and Fueling Areas.
Potential Parcel-Specific Release Areas	• The southeast and northwest corners of Building 20. • The central hangar-helicopter parking area of Building 20 . • Aircraft washdown area.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

TABLE 6-192-2

Summary of Data Gaps
NAS Alameda Parcel 192

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• Three underground storage tanks associated with Building 549 may be present at this parcel. Building 549 is located on Parcel 35, which is inset into Parcel 192. It is unclear whether these tanks still exist in this area, and if so, where they are located.
Underground Utilities	• Storm sewer, electrical, and water lines identified.
- Fuel Lines	• Underground fuel lines identified.
- Steam Lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 6. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following three parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-192-2.

- Target Area 1, (Building 20): Regular lubrication of the sliding hangar doors in the northwest and southeast portions of Building 20 may have resulted in the release of petroleum products to soils in these areas. The northwest area will be sampled during the screening phase, because this area should be representative of both areas. This area is less than 500 square feet in area, and the likelihood of environmental impacts having occurred in this target area is classified as potential. Samples to be collected in this target area are listed in Table 6-192-1.

- Target Area 2, (Building 20): The central hangar-helicopter parking area of Building 20 has the potential to have impacted soils and groundwater because of storage, disposal, and use of potentially hazardous substances including petroleum products and solvents related to aircraft maintenance activities. The total stained area within Target Area 2 is less that 200 square feet and is classified as having a potential likelihood of environmental impacts. Samples to be collected in this Target Area are listed in Table 6-192-1.

- Target Area 3, (Open Space): Soils in the aircraft washdown area have the potential to have been impacted by petroleum products and solvents during washdown activities. The total potential affected area within Target Area 3 is less that 200 square feet, and is classified as having a potential likelihood of environmental impacts. Samples to be collected in this Target Area are listed in Table 6-192-1.

- Zone 6 Target Area 1 (Open Space Aircraft Maintenance and Fueling Areas): This target area includes the open space of Parcels 30, 31, 32, 33, 34, 35, 190, 191, and 192 within the Western Hangar Zone. The aerial extent of this target area is defined by the widespread staining observed in historical aerial photographs as a result of the aircraft fueling and maintenance activities conducted in this area. The largest and heaviest stains corresponded to aircraft parking locations and the borders of hangar buildings. Sixty-five soil vapor samples will be collected in Zone 6 to assess potential releases of VOCs to subsurface soil via cracks in the concrete. This target area has been classified as having a potential likelihood of impacts. Samples to be

collected in this target area are listed in Table 6-Z6-1. The approximate sampling locations shown on Figure 6-Z6-1 correspond to areas observed to be significantly stained based on historical aerial photograph review or site inspection information.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in target areas and to identify areas that require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3), soil vapor sampling (SOP 6), and subsurface GeoProbe soil sampling (SOP 14).

Table 6-192-1 summarizes screening-level sampling and analysis for the parcel's target areas. Eight of the 65 soil vapor samples and two of the 13 subsurface Geoprobe soil samples will be collected from the zone-wide locations shown on Figure 6-192-1. Five surface soil samples and two subsurface Geoprobe soil samples will be collected from the parcel-specific locations shown on Figure 6-192-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: chip sampling (SOP 18), and HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-193

PARCEL 193 EVALUATION PLAN

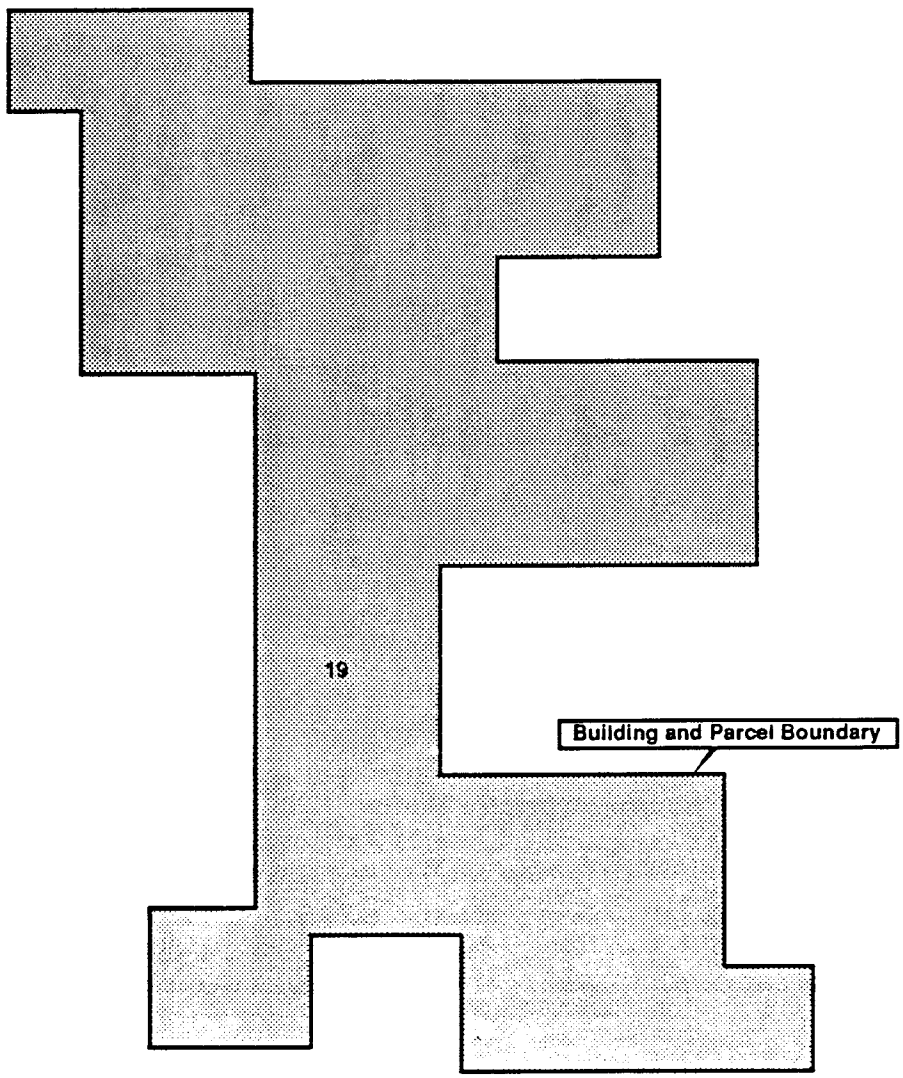
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 193 at NAS Alameda (Figure 6-193-1). The parcel, which is located in the central portion of the base, is less than one acre in size and is irregular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. One RCRA site is located at this parcel. No parcel-specific or zone-wide target investigation areas (target areas) were identified at Parcel 193. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. Historical activities for Parcel 193 are discussed below.

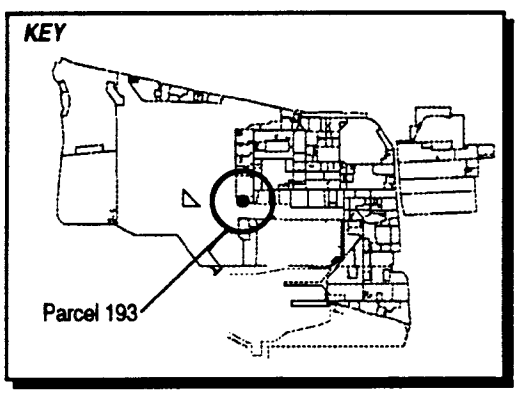
Background and Historical Activities

This subsection summarizes EBS information available for buildings and boundaries of Parcel 193, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies underground storage tanks and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 29, 30, 31, 32, 33, 34, 35, 36, 37, 190, 191, 192, and 204. This parcel zone has been designated the Western Hangar Zone (Zone 6). The Western Hangar Zone encompasses the parcels located west of Building 5 that are primarily used for aircraft maintenance and support activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 6.





LEGEND

Note: No target areas were identified for Parcel 193

1"= 45'

Figure 6-193-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/07.08.94

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 19) covers 100 percent of the parcel. The parcel area is presently in use for aircraft operations, photographic processing, administration, and a fire/rescue station.

Parcel 193 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 193, and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within Building 19 are described in detail below.

Building 19

Building 19 was constructed in 1941 and contains aircraft operations administration (including a control tower) offices, a photographic processing department, as well as a fire/rescue station (Figure 6-193-1). This building covers approximately 23,700 square feet and is in moderately good condition. Building 19 is a two-story building (the control tower is a three-story structure), and is constructed of concrete with a built-up, composite roof. The fire department stalls are constructed with metal walls and roof and a concrete floor. According to EBS information, part of Building 19 was demolished because of earthquake damage.

Utilities located within and immediately surrounding Building 19 include underground sanitary sewer, storm sewer, steam, water, fuel, and electrical lines. No permits appear to have been issued for this building.

Photographic processes have occurred within Building 19 from an unknown starting date to the present. Photographic finishing involves the use of various chemicals including fixers and developers, and is conducted in the southeastern portion of Building 19.

According to the Building 19 authorized-use inventory, nonhalogenated organic compounds, petroleum products, metals, fuel, halogenated organic compounds, corrosives, and paint may be stored in Building 19 in total quantities up to 10,000 gallons. The authorized-use inventory lists maximum quantities of specific chemicals that can be stored in or related to a building over the course of one year. This does not mean that the given quantity has been stored, but that the location listed has the capacity to store the stated amount given.

Photographic chemicals, including corrosive and flammable materials, are stored in the photographic processing area (photo lab) in quantities totaling up to 180 gallons. This quantity reflects all the chemical storage noted during the site inspection. Disposal of used photographic and developer chemicals in the photo lab occurs via collection from the three photo processor units into a waste storage room. The waste storage room has a plastic secondary containment unit and a drain. No evidence of release of wastes was noted in this area during the site inspection. Waste nonhalogenated organics and metals are also documented to have been stored in Building 19.

Spills of photographic fixer and developer were noted as being an ongoing occurrence in the photo lab. Wet developing trays and the dispensing of photographic finishing chemicals appeared to be the sources of the spillage. Staining was noted around a drain in the room during the site inspection. Spillage of ethylene glycol (antifreeze) was noted in the firefighting/rescue vehicle parking stalls located in the northern portion of the building during the site inspection. The spillage appeared to also have impacted the asphalt area immediately north of the parking stalls. According to site inspection data, approximately one-half gallon of ethylene glycol is released each time a firefighting vehicle is started.

Building 19 is not equipped with a heating-ventilation-air conditioning (HVAC) system. Transformer inventories indicate that PCB-containing transformers were present in Building 19 in 1986, 1987, and 1988; however, these transformers were not observed during the building inspection. According to site inspection data, ceiling tiles on the third floor of the building were damaged by water.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within or near Building 19.

Open Space

There is no open space at Parcel 193.

Underground Storage Tanks

According to an anecdotal report, one underground storage tank is potentially located on or near the north edge of Parcel 193 (Building 19). There is no other evidence to support the presence of an underground tank in this area.

Parcel Boundary Conditions

Parcel 193 is bounded by Parcel 29. Three aboveground storage tanks and an emergency diesel generator are potential concerns on Parcel 29. In addition, one underground storage tank (Tank 491-1) was recently removed from Parcel 29. Although no information is available regarding the integrity of this tank upon removal, soil and groundwater sampling near the former location of this tank have been proposed by a separate ERM investigation.

RCRA Sites

This subsection identifies the RCRA Site and requirements associated with this site on the parcel, consistent with objectives described in Section 1 of the Shell Workplan. One RCRA site (SWMU/GAP 12) is located on Parcel 193. Chemicals of concern at this site include waste film, paper, silver solution, metallic sludge, and flake storage. No known releases have occurred at this site. This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, SWMU/GAP 12 does not require further investigation.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 193, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-193-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, industrial hygiene,

TABLE 6-193-1

Summary of Data Gaps
NAS Alameda Parcel 193

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 193.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• According to an anecdotal report, one UST is potentially located on or near the north edge of Parcel 193.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Fuel Lines	• Underground fuel lines identified.
- Steam Lines	• Steam lines identified.

TABLE 6-193-1

Summary of Data Gaps
NAS Alameda Parcel 193

Data Gap	Status/Description
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

and radiological concerns. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in corresponding protocols presented in Section 3.

Although no industrial hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 19 (photo lab). The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Because no landscaped or unpaved areas exist at Parcel 193, no pesticide sampling has been proposed for this parcel.

Once the data gaps in Table 6-193-1 are addressed, Parcel 193 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological concerns, and USTs must be resolved before this parcel can be leased or transferred.

SECTION 6-204

PARCEL 204 EVALUATION PLAN

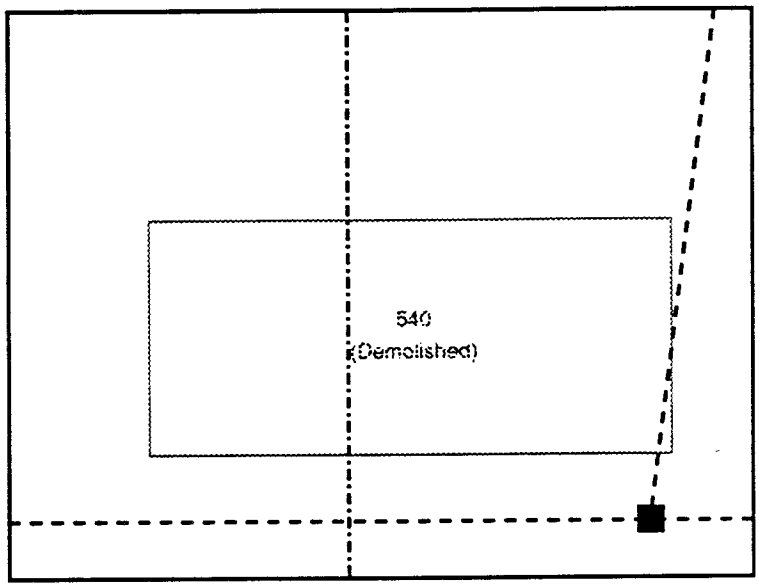
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 204 at NAS Alameda (Figure 6-204-1). The parcel, which is located in the north-central portion of the base, is less than one acre in size and is roughly square in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific or zone-wide target investigation areas (target areas) were identified on Parcel 204. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. Historical activities for Parcel 204 are discussed below.

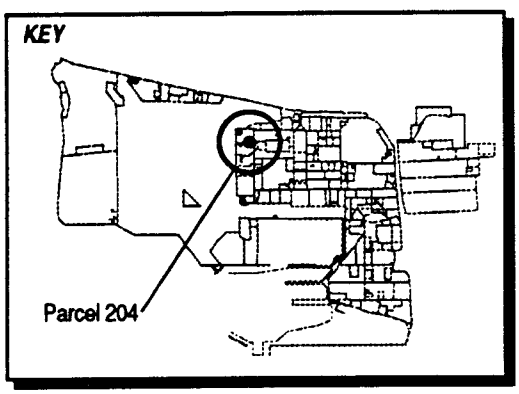
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open space, and boundaries of Parcel 204, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 29, 30, 31, 32, 33, 34, 35, 36, 37, 190, 191, 192, and 193. This parcel zone has been designated the Western Hangar Zone (Zone 6). The Western Hangar Zone encompasses the parcels located west of Building 5 that are primarily used for aircraft maintenance and support activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 6.





LEGEND

- Industrial Sewer Line
- Storm Sewer Line
- Stormwater Sewer Manhole

1"= 15'

Figure 6-204-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/07.08.94

Filling occurred in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

No buildings or structures are currently present on Parcel 204; the parcel is 100 percent open space. One building (Building 540) was formerly located on the parcel. The parcel area is not presently in use except as part of an aircraft taxiway area. Sewer lines are present at this parcel and are shown in Figure 6-204-1.

Parcel 204 is located approximately 350 feet west of an Installation Restoration (IR) Program site (IR Site 5, Building 5). No previous investigations have been conducted at Parcel 204 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Open Space

Open space covers 100 percent of the parcel area. The ground surface of the open space is completely paved with concrete. The concrete is extensively cracked and is in poor condition. The open space has been used as part of the aircraft maneuvering and taxiing area around the maintenance hangars surrounding Parcel 204.

Building 540, formerly located in the open space on Parcel 204, was constructed in 1975 and served as a storage area for aircraft spare parts. This one-story building, which covered approximately 700 square feet, was demolished between 1975 and 1981.

Utilities located within and immediately surrounding Parcel 204 include underground industrial sewer, storm sewer, steam, abandoned fuel, sanitary sewer, water, and electrical lines. No permits appear to have been issued for Building 540 or Parcel 204. No incidents such as fires, mishaps, or flooding are documented to have occurred within or near Parcel 204.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 204 is bounded by Parcels 192 and 191. Activities of concern on these adjacent parcels include historic aircraft fueling, and current maintenance and aircraft washdown. The aircraft washdown area on Parcel 192 is located immediately adjacent to Parcel 204, but is not likely to be of significant concern because the slope of the ground surface ensures that drainage flows away from Parcel 204.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 204, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-204-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, a separate investigation is currently underway to address the radiological concerns data gap at this parcel. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 204 because no buildings are present.

Historical aerial photographs indicate that Parcel 204 has been completely paved since at least 1947. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 204.

TABLE 6-204-1

Summary of Data Gaps
NAS Alameda Parcel 204

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 204.
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) is located approximately 350 feet east of Parcel 204. Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, industrial sewer, electrical, and water lines identified.
- Fuel Lines	• Underground fuel lines identified.
- Steam Lines	• Steam lines identified.

TABLE 6-204-1

Summary of Data Gap
NAS Alameda Parcel 2U

Data Gap	Status/Description
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Once the data gaps in Table 6-204-1 are addressed, Parcel 204 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to underground lines and radiological issues must be resolved before this parcel can be leased or transferred.

SECTION 6-Z7

ZONE 7 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 7 at NAS Alameda (Figure 6-Z7-1). Zone 7 has been designated the Corrosion Control and Aircraft Testing Zone. Zone 7 is comprised of Parcels 26, 27, and 28. During the sampling program development, the parcels located in this zone were evaluated together. No zone-wide target investigation areas (target areas) and eight parcel-specific target areas have been identified in this zone. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface Geoprobe soil sampling. Figure 6-Z7-1 illustrates all sample locations for the entire zone. None of the parcels in this zone have been reclassified from BRAC Category 7.

This zone evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 7, historical activities are discussed below.

Zone 7 Background and Historical Activities

This subsection briefly summarizes EBS information available for buildings, open spaces, and boundaries of Zone 7 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the Parcel Evaluation Plans (PEPs) for the parcels contained in this zone.

Past and present use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs (the non-intrusive investigation[1]). This information was used to determine areas on the zone where sampling

[1] The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.

was deemed necessary to delineate potential impacts of compounds of concern.

Zone 7, the Corrosion Control and Aircraft Testing Zone encompasses three parcels that are used for corrosion control or aircraft testing. During the sampling program development, the parcels located in this zone were evaluated together to better address potential zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of specific parcel concerns is provided in the PEPs for individual parcels.

Filling began in the area covered by this zone in approximately 1932. Prior to this time, the zone area was completely inundated by San Francisco Bay. The zone was completely filled as of 1958; the ground level and grading have not changed significantly since that time.

Currently, ten buildings and two partial structures cover approximately 20 percent of the zone. The remaining 80 percent is open space. Four buildings and one structure were formerly located on the parcel and have since been demolished.

Zone 7 is adjacent to one Installation Restoration (IR) Program site (IR Site 17 (Seaplane Lagoon)). No previous investigations have been conducted at Zone 7, and specific data regarding chemical occurrence at this zone are not available.

Sewer lines present on this zone are illustrated in the individual PEP figures. Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns and asbestos-containing materials on Zone 7 will be addressed in other sampling programs and are not considered in this ZAP.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this zone. Neither the document review nor the site inspection identified any information that indicated that any tanks are or may have been present at this zone.

RCRA Sites

This zone includes three RCRA sites (on Parcels 26 and 27). These sites were evaluated consistent with the criteria applied to other potential target areas at the zone. Under these criteria, the RCRA sites do not

require further investigation under this program. The IWTP on Parcel 27 will be closed according to its Part-B closure plan. A brief description of each RCRA site is provided in the corresponding PEP. The sampling proposed for the sites that require sampling is also described in the corresponding PEP.

Zone Boundary Conditions

Zone 7 is bounded by Zones 4 and 5. Activities of concern on these adjacent zone include aircraft fueling, maintenance and operation on Zone 4. The former Seaplane Lagoon (IR Site 17) borders Zone 7 to the east. IR Site 17 is not expected to impact Zone 7.

Zone Target Areas and Compounds of Concern

This zone contains no zone-wide target areas and eight parcel-specific target areas. This subsection of the ZAP provides an overview of the parcel-specific target areas. Detailed information regarding the parcel-specific target areas and the proposed sampling is provided in the PEPs for individual parcels. The nature and locations of the parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

Parcel 26 Target Areas

- Target Area 1 (Building 29, Dip Tank Line): This target area comprises the area occupied by the dip tank line and the hazardous waste storage area in the northern part of Building 29. The area of spillage is estimated to be approximately 2,000 square feet. The compounds of concern are VOCs and TPH that may have leaked from the dip tank line and the hazardous waste storage area. The likelihood of environmental impact from these areas is classified as potential. Two surface soil and two subsurface soil samples will be collected from this target area.

- Target Area 2 (Building 38): This target area comprises the area of spillage in the engine run-up area. Target Area 2 is shown on Figure 6-26-1. The compounds of concern are TPH from fuel and oil spillage and VOCs from solvent use and spillage. The likelihood of environmental impact from these areas is classified as potential. One surface and one subsurface soil sample will be collected from this target area.

- Target Area 3 (Facilities 461A, 461B, 461C): This target area comprises the former area of the large dark stains in the engine run-up areas. Each of these stains is approximately 1,000 square feet. The compounds of concern are TPH from fuel and oil spillage and VOCs from solvent use and spillage. The likelihood of environmental impact from these areas is classified as potential. Three surface and three subsurface soil samples will be collected from this target area.

- Target Area 4 (Open Space II-Aircraft Storage and Repair Area): This target area comprises the large black stains present in the two northernmost parking aprons of the aircraft repair area. Each of these stains is approximately 1,200 square feet. The compounds of concern in this target area include TPH, VOCs, and SVOCs. The likelihood of environmental impact from these areas is classified as potential. Two surface soil and two subsurface soil samples will be collected from this target area.

Parcel 27 Target Areas

- Target Area 1 (Building 25): This building uses large quantities of corrosive chemicals which contain halogenated and non-halogenated organic compounds that regularly come in contact with the floor surface. These substances, especially the volatile organics, can be highly mobile. Leakage of those compounds to the soil below the building has potentially occurred through cracks or seams in the concrete floor and trenches. Compounds of concern in this target area include acids, metals, and VOCs. This target area covers the entire floor of the building and has a potential likelihood of impacts. Six surface soil and six subsurface soil samples will be collected from this target area.

- Target Area 2 (Building 25A): This target area addressed the spillage noted in Building 25A during the site inspection and document review. The treatment process that occurs in this building involves the treatment of wastewater containing acids, metal, TPH, and VOCs. Compounds of concern in this target area include acids, metals, TPH, and VOCs. This target area covers the entire floor of the building and has a potential likelihood of subsurface impacts. Four surface and four subsurface soil samples will be collected from this target area. The samples are listed in Table 6-27-1.

- Target Area 3 (Stains in Building 622): This building contained stains associated with the backup diesel tank. These stains are presumed to be diesel fuel and appear to be the result of minor spillage. This target area has a potential likelihood of impacting at

least the shallow subsurface. TPH is the compound of concern. One surface soil sample will be collected from this target area.

Parcel 28 Target Area

- Target Area 1 (Building 543): This target area is located adjacent to the north wall, outside of Building 543. The staining in this area appears to be fuel and/or lubrication oil. The staining appears to be the result of chronic, small-scale spillage. This area covers less than 1,000 square feet and has been classified as having a potential likelihood of impact. Two surface soil samples will be collected in this target area.

Screening-Level Investigation

Two screening-level techniques, surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14), will be employed to assess conditions in the parcel-specific target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

A total of 21 surface soil samples and 18 subsurface Geoprobe soil samples will be collected from the locations shown on Figure 6-Z7-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the zone areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil gas sampling (SOP 6), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-26

PARCEL 26 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 26 at NAS Alameda (Figure 6-26-1). The parcel, which is located in the south central portion of the base, is approximately 12 acres in size, and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA site, GAP Site 74. Four parcel-specific target investigation areas (target areas) have been identified on this parcel. No zone-wide target areas were identified at this parcel. Sampling procedures called for in the screening-level investigation in these areas include subsurface Geoprobe soil sampling and surface soil sampling. Table 6-26-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 26, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 26 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 27 and 28. This parcel zone has been designated the Corrosion Control and Aircraft Testing Zone (Zone 7). During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected

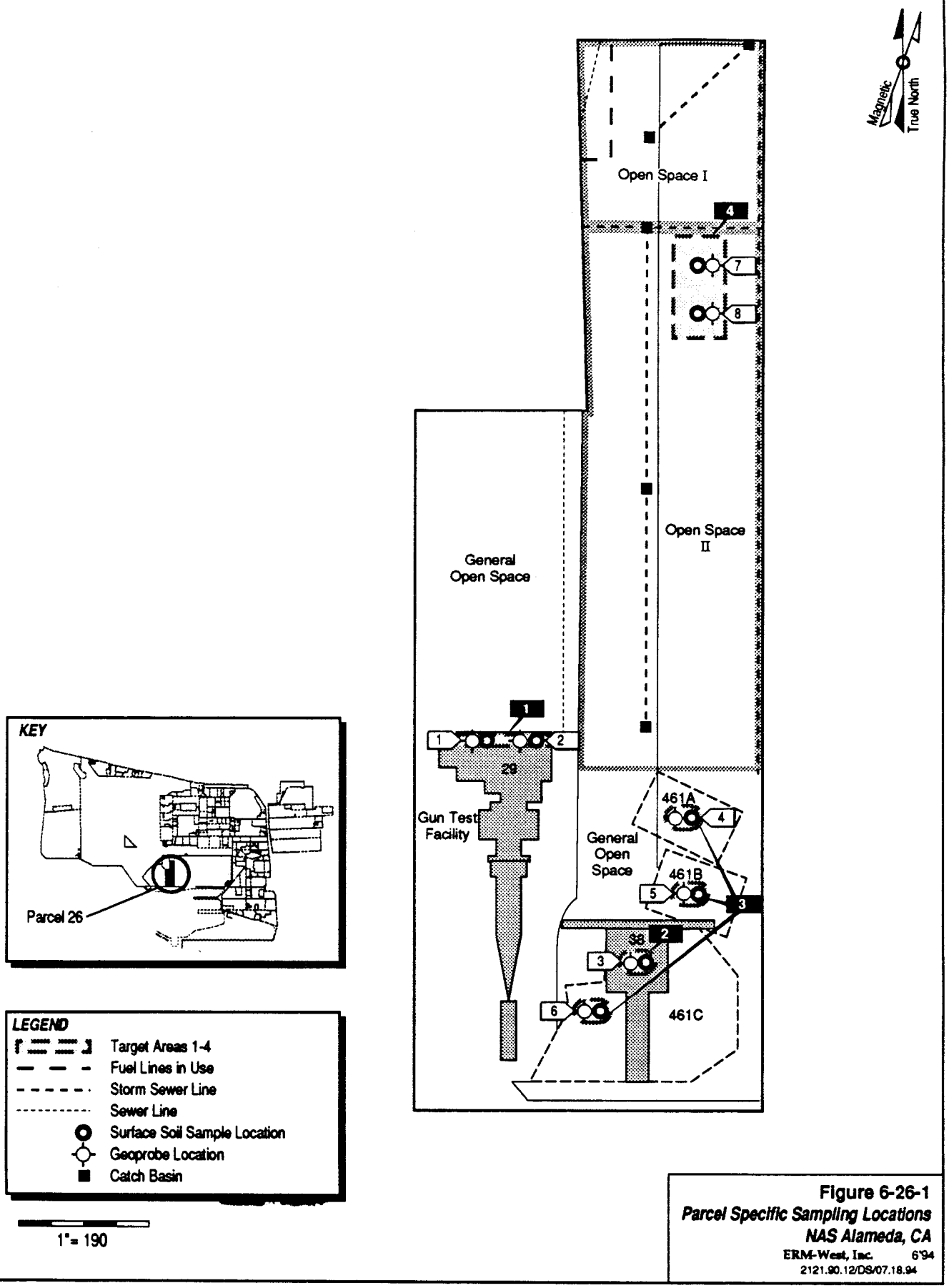


Figure 6-26-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/07.18.94

TABLE 6-26-1

Summary of Recommended Samples
NAS Alameda Parcel 26

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
26-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	EPA 8015-Modified
26-1-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Fuels, Solvents	VOCs, TPH	EPA 8240, Modified EPA 8015
26-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	EPA 8015-Modified
26-2-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	EPA 8015-Modified
26-2-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Fuels, Solvents	VOCs, TPH	EPA 8240, Modified EPA 8015
26-2-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 1	Fuels, Solvents	VOCs, TPH	CLP RAS, Modified EPA 8015
26-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Fuels, Oils	TPH	EPA 8015-Modified
26-3-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 2	Fuels, Oils	TPH	EPA 8015-Modified
26-3-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	Fuels, Solvents	VOCs, TPH	EPA 8240, Modified EPA 8015
26-3-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 2	Fuels, Solvents	VOCs, TPH	CLP RAS, Modified EPA 8015
26-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Fuels, Oils	TPH	EPA 8015-Modified
26-4-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 3	Fuels, Oils	TPH	EPA 8015-Modified
26-4-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	Fuels, Solvents	VOCs, TPH	EPA 8240, Modified EPA 8015
26-4-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 3	Fuels, Solvents	VOCs, TPH	CLP RAS, Modified EPA 8015
26-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Fuels, Oils	TPH	EPA 8015-Modified

TABLE 6-26-1

Summary of Recommended Samples
NAS Alameda Parcel 26

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
26-5-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	Fuels, Solvents	VOCs, TPH	EPA 8240, Modified EPA 8015
26-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Fuels, Oils	TPH	EPA 8015-Modified
26-6-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	Fuels, Solvents	VOCs, TPH	EPA 8240, Modified EPA 8015
26-7-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	Fuels, Oils, Paints	TPH, SVOCs	EPA 8015-Modified, EPA 8270
26-7-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 4	Fuels, Oils, Paints	TPH, SVOCs	EPA 8015-Modified, CLP RAS
26-7-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 4	Fuels, Solvents, Paints	VOCs, SVOCs, TPH	EPA 8240, EPA 8270, Modified EPA 8015
26-7-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 4	Fuels, Solvents, Paints	VOCs, SVOCs, TPH	CLP RAS, Modified EPA 8015
26-8-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	Fuels, Oils, Paints	TPH, SVOCs	EPA 8015-Modified, EPA 8270
26-8-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 4	Fuels, Solvents, Paints	VOCs, SVOCs, TPH	EPA 8240, EPA 8270, Modified EPA 8015

*These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

for the entire zone. The parcels in this zone were considered as a whole during the evaluation. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 7.

Filling began in the area covered by this parcel prior to 1953. Prior to that time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1958; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Buildings 29 and 38) occupy approximately 20 percent of the parcel. The remainder (80 percent) is open space. In general, the parcel area is presently used to test and repair aircraft engines and aircraft weapons. Three facilities were formerly located on the parcel (Facilities 461A, 461B, and 461C) and have since been demolished. Portions of Facilities 461A and 461C are still in place, but are not used. Sewer lines are present at this parcel and are shown on Figure 6-26-1.

Parcel 26 is adjacent to the Seaplane Berthing Area, which is an Installation Restoration (IR) Program site. No previous investigations have been conducted at Parcel 26 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 29

Building 29 was constructed in 1989 and serves as an aircraft weapons overhaul and testing facility (Figure 6-26-1). This building is generally in good condition. Building 29 is a large, warehouse-style building. It is constructed of steel with a concrete floor and steel frame roof, and covers approximately 19,500 square feet. The space occupied by Building 29 was formerly vacant open space.

Utilities located within and immediately surrounding Building 29 include sanitary sewer, storm sewer, telephone, water, and electrical lines. An air quality permit for a gun test system, solvent cleaning, a dip tank, a magnetic inspection machine, a spray booth and abrasive blasting was issued for this building, although the date of the permit is not known.

Information collected during the EBS indicates that activities conducted within this building included aircraft weapons overhaul and testing. The processes that take place in Building 29 typically involve the use or generation of chemicals and wastes including hydraulic fluid, jet fuel (JP-5), lubricating oil, solvents, and paint products.

The chemicals documented to have been stored at and used in Building 29 from 1989 to the present include solder flux; 1,1,1 trichloroethane; thermal grenadine; and oil VV-L800 in drums. Small amounts of miscellaneous lubricants, cleaners and solvents were also observed to be stored in a storage cabinet.

Three 55-gallon drums of 1,1,1 trichloroethane and one 55-gallon drum of magnaflux were observed to be stored outside Building 29. A small amount of hazardous waste was also observed to be stored in Building 29. Three 55-gallon drums with contaminated glass bead blast, aerosol cans of paint, lubricant and solvent residue, paper towels contaminated with oil and grease, and filters from a small paint booth are stored in the northeast corner of the building. The hazardous waste is stored on pallets and then transferred to a hazardous waste storage facility at periodic intervals. Sand with lead shells is stored in the concrete pit at the end of the testing tunnel (south end of the building). This sand is used to stop projectiles during test firing. It is reported that the projectiles are periodically removed from the sand, but that the sand is not changed.

Evidence of spillage of sand blast shot, 1,1,1 trichloroethane, thermol grenadine, and VV-L800 oil was observed to be associated with the dip tank cleaning area, located in the northwest corner of Building 29. This spillage appears to be the result of normal work activities as a crane moves parts from bin to bin. As the spills occur during normal work activities it is not possible to assign volumes or dates to such spills. These spills appear to have involved a moderate quantity of released material. The staining occurs in an area measuring approximately 100 by 20 feet. Evidence of petroleum spillage in the northwest corner of the building was also observed adjacent to a floor drain. The staining in this area is addressed by Target Area 1.

Building 29 is equipped with a heating-ventilation-air conditioning (HVAC) system. Incidents such as fires, mishaps, flooding, or crashes have not been documented within or immediately surrounding Building 29.

Building 38

Building 38 was constructed 1991 and serves as an aircraft acoustical enclosure for aircraft engine testing (Figure 6-26-1). This building is generally in good condition. Building 38 is a large warehouse-style building. It is constructed of steel with a concrete floor and occupies approximately 12,700 square feet. The space occupied by Building 38 was formerly open space used for testing of aircraft engines.

Utilities located within and immediately surrounding Building 38 include sanitary sewer, storm sewer, and telephone, water, and electrical lines.

Information collected during the EBS indicates that aircraft engine testing is conducted in this building. This testing typically involves the use or generation of chemicals and wastes including hydraulic fluid, jet fuel, fire extinguisher foam, and solvents. The building has been used for the aircraft engine testing since it was constructed.

Fire extinguisher foam and hydraulic fluid (Mobil DTE 13M) are documented to have been stored in and used at Building 38. Approximately 200 gallons of fire extinguisher foam and 55 gallons of hydraulic fluid were stored in the building.

Occasional spillage of jet fuel, hydraulic fluid, and oil reportedly occurs during the normal work activities in this building in the engine run-up area. It was estimated by on-site personnel that each incident averages less than 5 gallons. The spills are cleaned up by using solvents and washed down with water. The rinsate from this washdown procedure is collected into an oil/water separator located outside the northwest corner of Building 38. It is reported that rinsate water exits the oil/water separator and travels to the storm sewer system. Target Area 2 addresses potential impacts to soils underlying the building in the area of these recurring spills.

Building 38 is equipped with a heating-ventilation-air conditioning (HVAC) system. Incidents such as fires, mishaps, flooding, or crashes have not been documented to have occurred within Building 38.

Facilities 461A, 461B, and 461C

Facilities 461A, 461B, and 461C were constructed in 1962 and served as aircraft engine run-up areas (Figure 6-26-1). All of these facilities consisted of a concrete pad and a wooden exhaust and sound barrier. Facility 461A has been partially demolished. The concrete pad, and one side of the sound and exhaust barrier remains. Facility 461B has been

completely removed. Facility 461C has been partially demolished. It is unknown when the demolition of these facilities occurred. Prior to being occupied by facilities 461A, 461B and 461C the land was vacant open space. There are currently no utilities located within or immediately surrounding Facilities 461A, 461B, and 461C.

No chemicals are documented to have been stored in or used at these facilities. Evidence of spillage of aircraft fluids (jet fuel, hydraulic fluid, and oil) in the form of stains was observed to exist in the former aircraft parking areas of these facilities in historic aerial photographs prior to 1985. These stains are no longer visible. Based on the historic aerial photographs, these areas may have been repaved after 1985. It is reported that the spillage occurred during the normal work activities associated with these facilities. These areas of historic staining are addressed by Target Area 3.

Incidents such as fires, mishaps, flooding, and crashes are not documented to have occurred within these three facilities.

Open Space

The open space in Parcel 26 has been subdivided into three open spaces (Open Space I, Open Space II, and General Open Space). The boundaries of these open spaces are shown on Figure 6-26-1.

Open Space I

Open Space I occupies the northern corner of the parcel and comprises approximately 10 percent of the entire parcel. No structures occupy this open space. Concrete covers the eastern half of the open space and asphalt occupies the western half. Open Space I contains a hazardous waste storage area (GAP #74) and small equipment storage. All pavement is generally in good condition. Utilities located within Open Space I include storm sewers and sanitary sewers (see Figure 6-26-1).

The GAP is located roughly in the middle of the concrete area and is used to store small amounts of chemicals and wastes prior to permanent disposal. During the EBS site inspection, the following materials and volumes were observed: jet fuel (one 55-gallon drum), hydraulic fluid (255 gallons), engine oil (one 55-gallon drum), 1,1,1 trichloroethane (six 55-gallon drums), waste paper and absorbent contaminated with jet fuel (one 55 gallon drum), isopropyl alcohol (one 55-gallon drum) and lubricating oil (two 55-gallon drums). No stains were observed on the concrete beneath this area.

The small equipment storage area is located approximately 50 feet north of the GAP. This area is occupied by 10 to 15 small pieces of equipment used in the repair and maintenance of aircraft. These include cherry-pickers and lubrication trailers.

EBS information suggests that this open space was used as a support area for aircraft storage. It is also likely that this open space was also used for aircraft parking and repair in the past. These activities usually involve chemicals and wastes including jet fuel, hydraulic fluid, lubrication oil, and solvents for parts cleaning.

No documented spills have occurred in Open Space I. Site inspection data indicate that undocumented spills have occurred in the small equipment storage area. Several small stains measuring approximately 2 feet by 3 feet were observed in this area. This staining occurs on concrete and is relatively minor. No sampling is proposed in this area.

Other incidents such as fires, mishaps, or flooding are not documented to have occurred within Open Space I.

Open Space II

Open Space II occupies the area north of Facility 461A and south of Open Space I (see Figure 6-26-1). It occupies approximately 30 percent of the entire parcel. No structures are located in this open space. Concrete covers the eastern half of the space and asphalt occupies the western half. Open Space II is used as an aircraft storage and repair area. The asphalt of the western side of the space is used as a taxiway for the aircraft. The aircraft parking aprons are on the concrete on the eastern half of the open space. The southernmost part of this open space is referred to as the Navy engine test area. All pavement is generally in good condition. The only utilities located within Open Space II are storm sewers, which run north/south through both the middle of the open space and the eastern edge.

EBS inofrmation indicates that aircraft parking, refueling, and maintenance activities have occurred in Open Space II since this area was developed. There is space for approximately 8 to 10 aircraft. These activities usually involve the use of chemicals, including aviation fuel, hydraulic fluids, lubrication oils, and solvents. Aerial photographs show large scattered stains on the parking aprons along the concrete in this open space.

No documented spills have occurred in Open Space II. However, undocumented spills have occurred in the parking aprons along the eastern portion of this open space. These stains are dark and appear to

be caused by leaked fuel and other maintenance fluids. Several stains, measuring approximately 10 feet by 10 feet to 30 feet by 40 feet, are visible. The northernmost parking aprons appear to be the areas with the most extreme staining. This area of staining is addressed by Target Area 4. Exhaust stains are also associated with the parking aprons and are typically located to the east of the other staining attributed to fluid spillage. These exhaust stains are produced during engine testing in this area, but do not appear to be problematic. A small dark oily stain, 3 feet by 4 feet, is present in the Navy engine test area. It appears to be leaked fluid from parked equipment. This staining is minor.

Other incidents such as fires, mishaps, flooding, etc. are not documented to have occurred within Open Space II.

General Open Space

The general open space in this parcel takes up approximately 50 percent of the parcel and occupies the open areas around Buildings 29 and 38. (Figure 6-27-1). In general this open space is vacant or used for parking, roadways, and taxiways.

Other than the building previously mentioned there are no structures located within the open space. Approximately 50 percent of the open space is covered with grass; twenty-five percent of the area is covered with concrete. The remaining 25 percent is covered with asphalt. The pavement is generally in good condition.

Utilities located within and immediately surrounding the open space include sanitary sewer, storm sewer, telephone, water, industrial sewer lines, and overhead electrical lines. EBS information indicates that this area has always been vacant open space.

No chemicals are documented to have been stored or used in this open space. No spills have been documented to have occurred in the open space. Review of aerial photographs and site inspection did not reveal any staining or outside storage of hazardous materials in this area.

No other incidents such as fires, mishaps, flooding are documented to have occurred within this open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated

that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 26 is bounded by Parcels 25, 27, and 28. The Seaplane Berthing Area borders the parcel to the east. The Seaplane Berthing Area is IR Site 17. The sediments within the Seaplane Berthing Area have been contaminated from storm sewer run-off from the surrounding parcels, but are not expected to impact Parcel 26.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with this site on the parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes one RCRA site, GAP 74. This site is listed as being located on Parcel 28 at Building 543, but it appears to be present on this parcel. This site was evaluated consistent with the criteria applied to to other potential target areas at the parcel. Because this site is paved, and because no staining was noted in the area of the GAP site, no sampling is required.

GAP Site 74 is located in the northeast corner of Open Space II. The site inspection indicates that this site is active. This area is used to store waste fuel and oil, hydraulic fluid and waste solvents associated with the processes in this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 26, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-26-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling

TABLE 6-26-2

Summary of Data Gaps
NAS Alameda Parcel 26

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• IH issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 17, Seaplane Lagoon is located adjacent to the east of Parcel 26. This IR site is not expected to impact Parcel 26.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1 (Building 29, Dip Tank Line) • Target Area 2 (Building 38) • Target Area 3 (Facilities 461A, 461B, 461C) • Target Area 4 (Open Space II-Aircraft Storage and Repair Area)
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-26-2

Summary of Data Gaps
NAS Alameda Parcel 26

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical and water lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

associated with sewer lines is discussed in the corresponding protocols presented in Section 3.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Buildings 28 and 38. The one-time compliance program will determine whether further sampling or cleanup measures are required within these buildings before transfer or lease can occur.

Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 26.

Once the data gaps in Table 6-26-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 26 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains four parcel-specific target areas. This subsection of the PEP discusses specific parcel target areas. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following four parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-26-1.

- Target Area 1 (Building 29, Dip Tank Line): This target area comprises the area occupied by the dip tank line and the hazardous waste storage area in the northern part of Building 29. Target Area 1 is shown on Figure 6-26-1. The area of spillage is estimated to be approximately 2,000 square feet. The compounds of concern are VOCs and TPH that may have leaked from the dip tank line and the hazardous waste storage area. The likelihood of environmental impact from these areas is classified as potential. Two surface soil and two subsurface soil samples will be collected from this target area. The samples are listed in Table 6-26-1.

- Target Area 2 (Building 38): This target area comprises the area of spillage in the engine run-up area. Target Area 2 is shown on Figure 6-26-1. The compounds of concern are TPH from fuel and oil spillage and VOCs from fuel and solvent use and spillage. The likelihood of environmental impact from these areas is classified as potential. One surface and one subsurface soil sample will be collected from this target area. The samples are listed in Table 6-26-1.

- Target Area 3 (Facilities 461A, 461B, 461C): This target area comprises the former area of the large dark stains in the engine run-up areas. Target Area 3 is shown on Figure 6-26-1. Each of these stains is approximately 1,000 square feet. The compounds of concern are TPH from fuel and oil spillage and VOCs from fuel and solvent use and spillage. The likelihood of environmental impact from these areas is classified as potential. Three surface and three subsurface soil samples will be collected from this target area. The samples are listed in Table 6-26-1.

- Target Area 4 (Open Space II-Aircraft Storage and Repair Area): This target area comprises the large black stains present in the two northernmost parking aprons of the aircraft repair area. Each of these stains is approximately 1,200 square feet. Target Area 4 is shown on Figure 6-26-1. The compounds of concern in this target area include TPH (from the lubrication oil and hydraulic fluid), VOCs (from the aircraft fuel and solvents used for parts cleaning), and SVOCs (from waste oils and partially combusted fuels). The exhaust stains mentioned previously do not appear to be cause for concern and will not be sampled. The likelihood of environmental impact from these areas is classified as probable. Two surface soil and two subsurface soil samples will be collected from this target area. The samples are listed in Table 6-26-1.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in target areas and to identify areas that require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14). Table 6-26-1 summarizes screening-level sampling and analysis for the target areas on the parcel. Eight surface soil and eight subsurface soil samples will be collected from the locations shown on Figure 6-26-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-

level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil gas sampling (SOP 6), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs-1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-27

PARCEL 27 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 27 at NAS Alameda (Figure 6-27-1). The parcel, which is located in the south central portion of the base, is approximately six acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains two RCRA sites, GAP 31 and the IWTP in Building 25A. Three parcel-specific target investigation areas (target areas) have been identified on this parcel. No zone-wide target areas were identified at this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface Geoprobe soil sampling. Table 6-27-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 27, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 27, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies the Installation Restoration Program site and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 26 and 28. This parcel zone has been designated the Corrosion Control and Aircraft Testing Zone (Zone 7). During the sampling program development, the parcels located in this zone were evaluated together. Therefore,

TABLE 6-27-1

Summary of Recommended Samples
NAS Alameda Parcel 27

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
27-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Metals, Acids	Metals, pH	ICAP Scan, Ch.7, SW 846
27-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Metals, Acids	Metals, pH	CLP RAS, Ch.7, SW 846
27-1-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Solvents, Metals, Acids	VOCs, Metals, pH	EPA 8240, ICAP Scan, Ch.7-SW 846
27-1-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 1	Solvents, Metals, Acids	VOCs, Metals, pH	CLP RAS, Ch.7-SW 846
27-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Metals, Acids	Metals, pH	ICAP Scan, Ch.7, SW 846
27-2-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Solvents, Metals, Acids	VOCs, Metals, pH	EPA 8240, ICAP Scan, Ch.7-SW 846
27-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Metals, Acids	Metals, pH	ICAP Scan, Ch.7, SW 846
27-3-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Solvents, Metals, Acids	VOCs, Metals, pH	EPA 8240, ICAP Scan, Ch.7-SW 846
27-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Metals, Acids	Metals, pH	ICAP Scan, Ch.7, SW 846
27-4-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Solvents, Metals, Acids	VOCs, Metals, pH	EPA 8240, ICAP Scan, Ch.7-SW 846
27-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Metals, Acids	Metals, pH	ICAP Scan, Ch.7, SW 846
27-5-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Solvents, Metals, Acids	VOCs, Metals, pH	EPA 8240, ICAP Scan, Ch.7-SW 846
27-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Metals, Acids	Metals, pH	ICAP Scan, Ch.7, SW 846
27-6-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Metals, Acids	Metals, pH	CLP RAS, Ch.7, SW 846
27-6-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Solvents, Metals, Acids	VOCs, Metals, pH	EPA 8240, ICAP Scan, Ch.7-SW 846
27-6-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 1	Solvents, Metals, Acids	VOCs, Metals, pH	CLP RAS, Ch.7-SW 846

TABLE 6-27-1

Summary of Recommended Samples
NAS Alameda Parcel 27

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
27-7-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Metals, Acids, Fuels, Oils	Metals, pH, TPH	ICAP Scan, Ch.7, SW 846, EPA 8015 Modified
27-7-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	Solvents, Metals, Acids, Fuels, Oils	VOCs, Metals, pH, TPH	EPA 8240, ICAP Scan, Ch.7, SW 846, Modified EPA 8015
27-8-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Metals, Acids, Fuels, Oils	Metals, pH, TPH	ICAP Scan, Ch.7, SW 846, EPA 8015 Modified
27-8-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 2	Metals, Acids, Fuels, Oils	Metals, pH, TPH	CLP RAS, Ch.7, SW 846, EPA 8015 Modified
27-8-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	Solvents, Metals, Acids, Fuels, Oils	VOCs, Metals, pH, TPH	EPA 8240, ICAP Scan, Ch.7, SW 846, Modified EPA 8015
27-8-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 2	Solvents, Metals, Acids, Fuels, Oils	VOCs, Metals, pH, TPH	CLP RAS, Ch.7, SW 846, Modified EPA 8015
27-9-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Metals, Acids, Fuels, Oils	Metals, pH, TPH	ICAP Scan, Ch.7, SW 846, EPA 8015 Modified
27-9-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	Solvents, Metals, Acids, Fuels, Oils	VOCs, Metals, pH, TPH	EPA 8240, ICAP Scan, Ch.7, SW 846, Modified EPA 8015
27-10-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Metals, Acids, Fuels, Oils	Metals, pH, TPH	ICAP Scan, Ch.7, SW 846, EPA 8015 Modified
27-10-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	Solvents, Metals, Acids, Fuels, Oils	VOCs, Metals, pH, TPH	EPA 8240, ICAP Scan, Ch.7, SW 846, Modified EPA 8015
27-11-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Fuels, Oils	TPH	EPA Modified 8015
27-11-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Fuels, Oils	TPH	EPA Modified 8015

*These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 7.

Filling began in the area covered by this parcel between 1932 and 1939. Prior to this time, the parcel area was completely covered by the San Francisco Bay. The parcel was completely filled as of 1958; the ground level and grading have not changed significantly since that time.

Currently, eight buildings (Buildings 25, 25A, 451, 494, 515, 595, and 622 and 623) occupy approximately 30 percent of the parcel. The remainder (70 percent) is open space. In general, the parcel area is presently used to strip paint and coatings off aircraft in preparation for corrosion protection. Sewer lines are present in this parcel and are shown on Figure 6-27–1.

Parcel 27 is located approximately 200 feet west of an Installation Restoration (IR) Program site (IR Site 17, Seaplane Lagoon). No previous investigations have been conducted at Parcel 27, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 25

Building 25 was constructed in 1987 and is called the NARF (now NADEP) Corrosion Control Facility. It serves as the corrosion control facility for aircraft and equipment (Figure 6-27-1). This building is currently operating and is generally in good condition. Building 25 is a large warehouse-style building that is constructed of steel with a concrete floor and steel frame roof, and covers approximately 54,500 square feet. The floor of the building contains six concrete work bays. Each of the bays performs one of three corrosion prevention preparation processes. These bays include two PMV grit stripping bays, two washing bays, and two chemical stripping bays. There is also a concrete trench collection system that runs throughout the entire building. This trench system collects rinsate from the processes in the work bays and transports it to the Industrial Wastewater Treatment Plant (IWTP) located to the south of Building 25. This IWTP, also

known as Building 25A, is discussed in the next section. The space occupied by Building 25 was formerly vacant open space .

Utilities located within and immediately surrounding Building 25 include underground sanitary sewer, storm sewer, telephone, water, electrical lines, and an industrial waste system.

Information collected during the EBS indicates that activities conducted within this building included checking for corrosion, stripping aircraft, aircraft washing, and sand/bead blasting. The processes that take place in Building 25 typically involve the use or generation of chemicals and wastes including waste chemical stripping materials (grit, solvents, and caustics), sand blast grit and paint products.

Chemicals stored in Building 25 include non-halogenated organics, halogenated organics, corrosives, paint and metals. The chemicals documented to have been stored and used in Building 25 from 1987 to the present include storage of corrosion prevention agents, liquid paint strippers, and plastic grit stripper. The majority of hazardous waste generated on-site (paint stripper wash, spent corrosive prevention agents, and soapy wash water) is pumped to the IWTP for treatment. The rinsate from the processes at Building 25 reportedly contains halogenated and non-halogenated organics, metals, petroleum products, and corrosives. The residual plastic PMV beads are collected in two bag houses and are transported off-site by PWC.

The only documented release of hazardous materials at this building was a release of spent PMV grit and dust in 1993. This release occurred at the south side of Building 25. This release was reportedly cleaned up by an onsite workcrew. No staining was noted in the building, but because the chemicals used in solution in the building regularly come into contact with the floor, sampling will be performed in Building 25 (Target Area 1).

Building 25 is equipped with a heating-ventilation-air conditioning (HVAC) system. No incidents such as fires, mishaps, flooding, or crashes, have been documented within Building 25.

Building 25A

Building 25A was constructed in the late 1980s. There has been a new addition to the building within the last several years. This building is referred to as the IWTP (Industrial Wastewater Treatment Plant) or Building 25A. It appears that the majority of the treatment facilities in this building were a part of the new addition and that the building was

renamed Building 25A after the addition was completed. It contains a laboratory and wastewater treatment facility for the effluent of Building 25 (Figure 6-27-1). This building is generally in good condition. The laboratory IWTP is constructed with corrugated steel walls and roof, and has a concrete floor. It occupies approximately 10,000 square feet. The space occupied by Building 25A was formerly vacant open space.

Utilities located within and immediately surrounding Building 25A include sanitary sewer, storm sewer, telephone, water, and industrial sewer lines, and overhead and underground electrical lines.

Information collected during the EBS indicates that this building serves as the wastewater treatment facility for the effluent from Building 25. The IWTP treats approximately 5,000 gallons per day. The paint sludge is removed first, stored temporarily on-site, and then removed from the site by Laidlaw. The liquid waste (wastewater with paint stripper and anticorrosives) is pumped into an initial holding tank, (a 32,000 gallon aboveground tank), and then through a series of 17 treatment tanks. The resultant water is discharged to the sanitary sewer; the resultant solid (a pressed metal/bacteria sludge) is stored temporarily at GAP Site 31 and then hauled off-site within 90 days by Laidlaw for permanent disposal. The entire facility has a trench collection system that collects any leakage and pumps the leaked materials back into the main tank.

In addition to the above wastes, small quantities of phenol, ammonia, phosphate, mercury waste, and spent methylene chloride waste are stored in the laboratory.

The southern part of Building 25A is a covered concrete pad that is used as Gap Site 31. This is the area that the pressed metal/bacteria sludge and other hazardous wastes are stored temporarily prior to permanent disposal.

Several areas of spillage were noted at this facility. Corroding concrete was noted in a phosphoric acid and sulfuric acid drum storage area. Evidence of leakage was found around a 500-gallon sulfuric acid tank. A five by eight foot metal containment tray was etched and stained. A volume estimate for these leaks is not available. Less than 1,000 gallons of water containing methylene chloride and phenols were reported to have leaked from a pump seal between bioreactor tanks on May 2, 1994. The fluid leaked onto the concrete and was fed back into the treatment system after collection in the drain system. Cleanup of the area was scheduled for week of May 9, 1994. Target Area 2 addresses the potential environmental impacts resulting from spillage and staining noted during the site inspection.

The IWTP has had several effluent permit exceedances in the last seven years. There was one exceedence for lead in 1992 and two exceedences for toxic organics in 1990. There were 18 exceedences for chromium in 1987, one exceedence for chromium in 1990 and one exceedence for chromium in 1991.

Building 25A is not equipped with a heating-ventilation-air conditioning (HVAC) system. No incidents such as fires, mishaps, flooding, or crashes have been documented to have occurred within Building 25A.

Building 451

Building 451 was constructed in 1959 and served as an aviation meteorological facility and is now abandoned (Figure 6-27–1). This building is still standing and is generally in fair condition. Building 451 is a one-story building, is constructed of wood with a concrete floor, and covers approximately 100 square feet. The space occupied by Building 451 was formerly vacant open space.

No utilities are located within or immediately surrounding Building 451. Information collected during the EBS indicates that this building was a weather station for the base. There are no reports of chemical use, storage, spills, or staining in Building 451.

Building 494

Building 494 was constructed in 1963 and served as an office, work shop, tool and equipment area, and locker room (Figure 6-27-1). This building is still standing and is generally in fair condition. Building 494 is a one-story building, is constructed of corrugated steel with an asphalt and concrete floor, and covers approximately 2,900 square feet. The space occupied by Building 494 was formerly vacant open space.

Utilities located within and immediately surrounding Building 494 include sanitary sewer, storm sewer, telephone, water, and industrial sewer lines, and overhead and underground electrical lines.

Information collected during the EBS indicates that this building was used by NADEP for aircraft testing prior to flight and equipment repair. These types of industrial processes typically involve the use or generation of chemicals and wastes including hydraulic fluid, lube oil and grease, and sealing compound. It is believed that this building was used for the same purpose since it was built in 1963.

The above-cited chemicals, along with isopropyl alcohol, and cylinders of oxygen and nitrogen were observed in storage lockers. It is not clear how the chemicals at this building are disposed of.

Several small oil stains were observed in the parts storage area, and one large oily stain (6 feet by 4 feet) was observed in the break area. These spills appear to be petroleum hydrocarbons and to have involved a relatively minor quantity of released material. This staining occurred on asphalt in relatively good condition, and the size of the staining is relatively minor. No sampling will be done to address this staining.

Building 494 is equipped with a heating-ventilation-air conditioning (HVAC) system. Incidents including fires, mishaps, flooding, or crashes have not been documented to have occurred within Building 494.

Building 515

Building 515 was constructed in 1967 and served as a gun pod testing facility, firing range, and aircraft weapons overhaul and testing site. (Figure 6-27-1). This building has been demolished and the site of the building is now occupied by the 2,200 square foot concrete pad. This building was replaced by Building 29 (Parcel 26) as a gun test facility between 1990 and 1994. Projectiles were caught in a water tank formerly located on the south side of the building. No other details about the activities in this building are available. The space occupied by Building 515 was formerly vacant open space. No chemical storage, usage, or spills are reported for this building.

Building 595

Building 595 was constructed in 1976 and is used as a liquid oxygen converter storage shed (Figure 6-27-1). This building is still standing and is generally in fair condition. Building 595 is a one-story building. It is constructed of corrugated steel with a concrete floor and covers approximately 375 square feet. The space occupied by Building 595 was formerly vacant open space.

Utilities located within and immediately surrounding Building 595 include sanitary sewer, storm sewer, telephone, water, and industrial sewer lines, and overhead and underground electrical lines.

Information collected during the EBS indicates that this building was used by NADEP to store liquid oxygen. The liquid oxygen was used to

fill small aircraft containers. No other information about this building was available. No spills or staining were noted at this building. Building 595 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No incidents including fires, mishaps, flooding, or crashes have been documented to have occurred within Building 595.

Building 622

Building 622 was constructed in 1987 and serves as a steam generation building (Figure 6-27-1). This building is generally in good condition. Building 622 is a one-story building, and is constructed of concrete blocks with a concrete floor. It covers approximately 9,100 square feet. The space occupied by Building 622 was formerly vacant open space.

Utilities located within and immediately surrounding Building 622 include sanitary sewer, storm sewer, telephone, water, and industrial sewer lines, and overhead and underground electrical lines.

Information collected during the EBS indicates that this building was used as a hot water generating facility and a switching substation for multiple buildings in the general area surrounding this building. The building contains a diesel-powered boiler unit. There is a 25,000-gallon aboveground diesel fuel tank which supplies fuel to the boiler. This tank has secondary containment and appears to be in good condition. A 500-gallon backup diesel tank is located inside the building. Two other 15,000-gallon above-ground storage tanks also exist outside Building 622. These tanks reportedly have never been used. Originally they were to be used to store paint stripper. No other chemical storage usage was observed in this building.

Several oil stains were observed around the backup oil tank and pumps to the boiler. Oil was observed to be leaking into a floor trench. These spills appear to be petroleum hydrocarbons (diesel fuel) and to have involved ongoing releases of material. This ongoing spill and resultant staining will be addressed by Target Area 3.

Building 622 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No incidents including fires, mishaps, flooding, or crashes have been documented to have occurred within Building 622.

Building 623

Building 623 was constructed in 1987. EBS information reported this building to be a jet engine fuel storage area. However, the site inspection indicated this building is the air compressor control room for operations in Building 25. Building 623 is a one-story building. It is a metal framed building with a concrete floor and metal roof. Based on aerial photograph information, this building is estimated to cover 10,000 square feet. The space occupied by Building 623 was formerly vacant open space.

Utilities located within and immediately surrounding Building 623 include sanitary sewer, storm sewer, telephone, water, industrial sewer lines, and overhead and underground electrical lines.

One 55-gallon drum of lubricating oil was located in the building. This is presumably used for minor maintenance of the control equipment. No spills or staining is documented for Building 623. Building 623 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No incidents including fires, mishaps, flooding, or crashes have been documented to have occurred within Building 623.

Open Space

The open space in this parcel covers approximately 70 percent of the parcel (Figure 6-27-1). In general, the open space is vacant or used for roads.

No structures are located within the open space. Approximately 50 percent of the open space is covered with asphalt; twenty-five percent of the area is covered with concrete. The remaining 25 percent is covered with grass. The pavement is generally in good condition.

Utilities located within and immediately surrounding the open space include sanitary sewer, storm sewer, telephone, water, fuel, and industrial sewer lines, and overhead electrical lines.

EBS information indicates that the open spaces in this parcel have always been vacant open space. No chemicals are documented to have been stored in or used in the open space. No spills have been documented to have occurred in the open space. Review of site inspection data indicates that an undocumented spill may have occurred at the southeast corner of Building 25. This spill appears to be petroleum hydrocarbons, and to have involved a small quantity of released material. The staining covers an area measuring approximately 5 by 6 feet. This staining occurred on asphalt in

relatively good condition, and the size of the staining is relatively minor. No sampling will be done to address this staining.

No other incidents such as fires, mishaps, flooding are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 27 is bounded by Parcels 23, 25, 26, and 28. None of these parcel is an IR site. There are no significant environmental concerns associated with these areas.

The Seaplane Berthing area, IR Site 17, is located less than 500 feet to the east of Parcel 27. No sampling is called for in this PEP in response to nearby IR Site 17, because it is not expected to have impacted Parcel 27.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with this site on the parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes two RCRA sites, GAP 31 and the IWTP located at Building 25A. These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. These sites do not require sampling as part of this PEP. GAP 31 is paved and no staining was noted in the area aurrounding it, and the IWTP is Part-B permitted with an approved closure plan as part of the permit. The IWTP was described previously during the discussion of Building 25A.

GAP Site 31 is located just south of Building 25A. The site inspection indicates that this site is active. This area is used to store the pressed metal/bacteria sludge and other hazardous wastes associated with the processes in Building 25A.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 27, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-27-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Buildings 25, 25A, 494 and 622. The one-time compliance program will determine whether further sampling or cleanup measures are required within these buildings before transfer or lease can occur.

As noted earlier, Parcel 27 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 27.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target areas. The nature and locations of these areas were evaluated to determine field investigation and sampling strategies. The following target areas were identified based on possible impacts from activities described above involving potentially hazardous substances.

- Target Area 1 (Building 25): This building uses large quantities of corrosive chemicals which contain halogenated and non-halogenated organic compounds that regularly come in contact with

TABLE 6-27-2

Summary of Data Gaps
NAS Alameda Parcel 27

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• IH issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 17 (Seaplane Lagoon) is located within 200 feet east of Parcel 27. This IR site is not expected to impact Parcel 27.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1 (Building 25). • Target Area 2 (Building 25A). • Target Area 3 (Building 622).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-27-2

Summary of Data Gaps
NAS Alameda Parcel 27

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, Industrial sewer, electrical, and water lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

the floor surface. These substances, especially the volatile organics, can be highly mobile. Leakage of those compounds to the soil below the building has potentially occurred through cracks or seams in the concrete floor and trenches. Compounds of concern in this target area include acids, metals, and VOCs. This target area covers the entire floor of the building and has a potential likelihood of impacts. Six surface soil and six subsurface soil samples will be collected from this target area. The samples are listed in Table 6-27-1.

- Target Area 2 (Building 25A): This target area addressed the spillage noted in Building 25A during the site inspection and document review. The treatment process that occurs in this building involves the treatment of wastewater containing acids, metal, TPH, and VOCs. Compounds of concern in this target area include acids, metals, TPH, and VOCs. This target area covers the entire floor of the building and has a potential likelihood of subsurface impacts. Four surface and four subsurface soil samples will be collected from this target area. The samples are listed in Table 6-27-1.

- Target Area 3 (Stains in Building 622): This building contained stains associated with the backup diesel tank. These stains are presumed to be diesel fuel and appear to be the result ongoing releases of material. This target area has a potential likelihood of impacting at least the shallow subsurface. TPH is the compound of concern. One surface soil sample will be collected from this target area, and is listed in Table 6-27-1.

Screening-Level Investigation

Two screening-level techniques will be employed to assess conditions in target areas and to identify areas that require further sampling in the follow-up detailed evaluation phase. These techniques are surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14). Table 6-27-1 summarizes screening-level sampling and analysis for the target areas on the parcel. Total numbers of samples to be collected from the locations shown on Figure 6-27-1 are: 11 surface soil samples and 10 subsurface soil samples. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Due to the large size of Target Areas 1 and 2, the sampling densities for all analytes has been reduced from that presented in Table 3–1. The samples are to be placed so as to adequately cover the entire floors of

these buildings. At each sampling point shown in Target Areas 1 and 2 surface soil samples will be analyzed for metals and pH. Subsurface soil samples will be analyzed for VOCs.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-28

PARCEL 28 EVALUATION PLAN

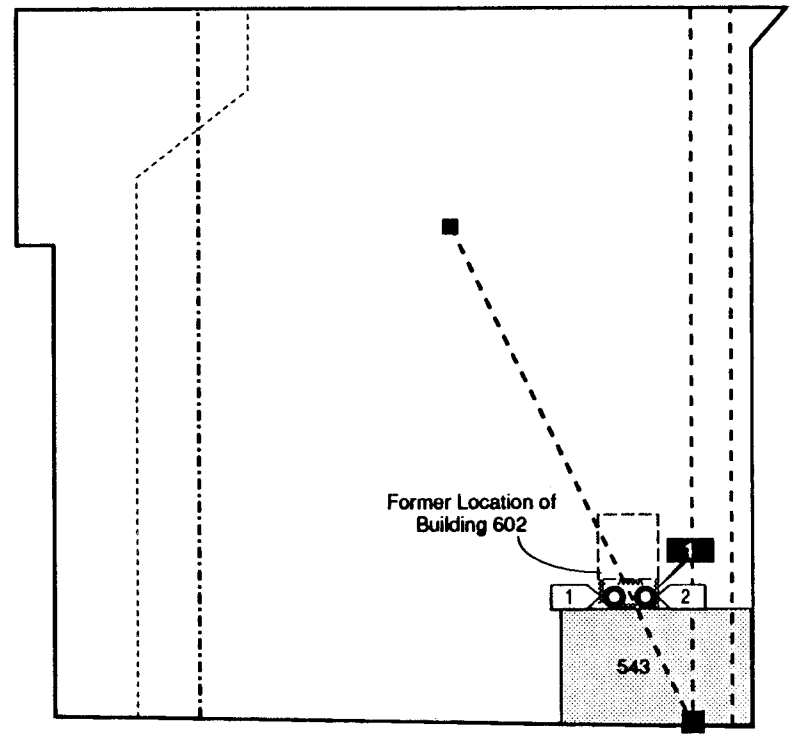
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 28 at NAS Alameda (Figure 6-28-1). The parcel, which is located in the south central portion of the base, is 1.4 acres in size and is roughly square in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel is reported to contain one RCRA site (GAP 74); however, the site inspection indicated that GAP 74 is actually located on Parcel 26, which is located immediately to the south of Parcel 28, and is therefore discussed on part of Parcel 26. One parcel-specific target investigation area (target area) and no zone-wide target areas have been identified on this parcel. Surface sampling will be used to accomplish the screening-level investigation. Table 6-28-1 provides the complete list of samples and analyses prescribed by this plan. To provide a basis for the proposed investigation of Parcel 28, historical activities are discussed below.

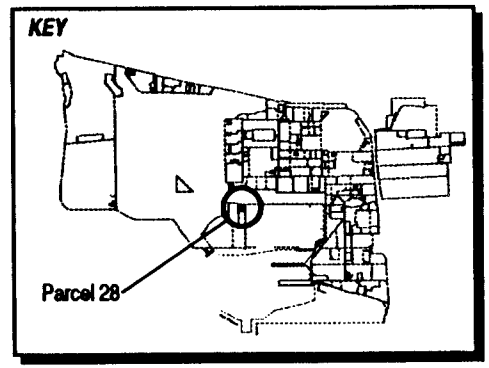
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 28, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 26 and 27. This parcel zone has been designated the Corrosion Control and Aircraft Testing Zone (Zone 7). During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected





LEGEND

- Target Area 1
- Industrial Waste Line
- Storm Sewer Line
- Sewer Line
- Surface Soil Sample Location
- Sanitary Sewer Manhole
- Catch Basin

1"= 60'

Magnetic
True North

Figure 6-28-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.10/DS/07.07.94

TABLE 6-28-1

Summary of Recommended Samples
NAS Alameda Parcel 28

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
28-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Building 543	Fuels, Oils	TPH	EPA 8015-Modified
28-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Building 543	Fuels, Oils	TPH	EPA 8015-Modified
28-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Building 543	Fuels, Oils	TPH	EPA 8015-Modified

*This is the suggested location for the confirmation sample. The actual location will depend on field analytical results.

for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 7.

Filling began in the area covered by this parcel in the mid to late 1930s. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 543) covers approximately five percent of the parcel. The remaining 95 percent is open space. The parcel area is presently in use as an air compressor facility and aircraft taxiway. Two buildings (Building 602 and a small unidentified building in the northeast corner of the parcel) were formerly located on the parcel and have since been demolished. Sewer lines are present on this parcel and are shown on Figure 6-28-1.

Parcel 28 is directly west of an Installation Restoration (IR) Program site (IR Site 17, Seaplane Lagoon). No previous investigations have been conducted at Parcel 28, and specific data regarding chemical occurrence at this parcel are not available.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 543

Building 543 was constructed in 1975 and serves as the main air compressor facility for the flight line operations (Figure 6-28-1). This building is in fair condition. Building 543 is a one-story building, constructed of corrugated metal walls with a concrete floor and metal-construction roof, and covers approximately 2,400 square feet. A 200-square foot building (Building 602) was formerly located immediately to the north of Building 543. This building, demolished between 1990 and 1992, reportedly housed electrical generators. The space occupied by Buildings 543 and 602 was formerly vacant open space. Utilities located within and immediately surrounding Building 543 include sanitary sewer, storm sewer, and industrial sewer lines.

Use of air compressors typically involves the use or generation of chemicals and wastes, including fuel, lubrication oil, and potentially solvents for parts cleaning.

Silica gel is the only documented chemical that was found to be stored in the area of Building 543. Approximately 720 pounds of this substance were stored along the western wall of the building. The use and/or disposal of this material is not known. Five 55-gallon drums of

non-hazardous waste (labeled: waste condensate water with compressor air residue) were stored along the north wall of Building 543.

There have been no documented spills of chemicals associated with Building 543. The site inspection information indicates that undocumented spills may have occurred along the north wall of Building 543. These spills appear to be fuel and/or lubrication oil, and involved a small quantity of released material. The staining covers an area measuring approximately 10 by 10 feet. There are several seams in the asphalt and concrete in this area that could possibly act as a conduit to the subsurface. This area is addressed by Target Area 1.

Open Space

The open space covers approximately 95 percent of the parcel. The ground surface of the open space is completely paved. Approximately 30 percent of the paved area is surfaced with asphalt and 70 percent is surfaced with concrete. The pavement is generally in good condition

No structures are located within the open space of this parcel. A small unidentified building was formerly located in the extreme northeast corner of the site. The use and construction of this former building are not known. This building was demolished between mid-1985 and 1990. Utilities located within and immediately surrounding the open space include sanitary sewer, storm sewer, and industrial sewer lines.

EBS information indicates that this open space was used as part of the flight line runway area. No chemicals are documented to have been used, stored or spilled in the open space of this parcel. No other incidents, such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 28 is bounded by Parcels 23, 26, 27, and the Seaplane Berthing Area. The Seaplane Berthing Area is an IR Site (Site 17). Activities of concern on these adjacent parcels include the GAP Site 74 on Parcel 26,

and the NARF Corrosion Control Facility on Parcel 27. It is possible that hazardous materials at these sites could impact Parcel 28. The sediments within the Seaplane Berthing Area have been impacted by storm sewer run-off from the surrounding parcels. However, IR Site 17 is not expected to impact Parcel 28.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel is reported to include one RCRA site (GAP Site 74). However, GAP Site 74 is actually located on Parcel 26, and is addressed in the PEP for Parcel 26.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 28, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-28-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 543. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-28-2 are addressed and screening-level sampling results from the target areas described below are compared to

TABLE 6-28-2

Summary of Data Gaps
NAS Alameda Parcel 28

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• IH issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 17 (Seaplane Lagoon) is located east of Parcel 28. This IR site is not expected to impact Parcel 28.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1 (North of Building 543).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, and industrial sewer lines identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-28-2

Summary of Data Gaps
NAS Alameda Parcel 28

Data Gap	Status/Description
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

the appropriate screening levels, Parcel 28 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP discusses the specific parcel target area. The nature and location of this area was evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Building 543): This target area is located adjacent to the north wall, outside of Building 543. The staining in this area appears to be fuel and/or lubrication oil. The staining appears to be the result of chronic, small-scale spillage. This area covers less than 1,000 square feet and has been classified as having a potential likelihood of impact. Two surface soil samples will be collected in this target area. The samples are listed in Table 6-28-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level investigation technique that will be used to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

Table 6-28-1 summarizes the screening-level sampling and analysis recommended for the target area on Parcel 28. Two surface soil samples will be collected from the locations shown on Figure 6-28-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), environmental

air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-Z8

ZONE 8 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 8 at NAS Alameda (Figure 6-Z8-1). Zone 8 has been designated the North Central Recreational Zone and encompasses the parcels that are primarily used for recreation (e.g., volleyball courts, gymnasium, officers' club). Zone 8 is comprised of Parcels 38, 39, 60, 61, 62, 63, 91, 92, 93, 94, 95, 96, 97, 101, and 194. During the sampling program development, the parcels located in this zone were evaluated together. No zone-wide target investigation areas (target areas) and three parcel-specific target areas have been identified in this zone. Figure 6-Z8-1 illustrates all sample locations for the entire zone, including parcel-specific sampling. This zone evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 8, historical activities are discussed below.

Zone 8 Background and Historical Activities

This subsection briefly summarizes EBS information available for buildings, open spaces, and boundaries of Zone 8 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies the nearby Installation Restoration Program site and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the Parcel Evaluation Plans (PEPs) for the parcels contained in this zone.

Past and present use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs (the non-intrusive investigation[1]). This information was used to determine areas on the zone where sampling was deemed necessary to delineate potential impacts of compounds of concern.

Zone 8, the North Central Recreational Zone encompasses 15 parcels that have historically been used for recreational activities. During the

1 The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.

sampling program development, the parcels located in this zone were evaluated together to better address zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of specific parcel concerns is provided in the PEPs for individual parcels.

Filling began in the area covered by this zone in approximately 1900. Prior to this time, the zone area was wetlands. The zone was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, 12 buildings and one structure cover approximately 10 percent of the zone. The remaining 90 percent is open space. The zone area is presently in use as recreational area. Twelve buildings and one structure were formerly located on the zone and have since been demolished.

Zone 8 does not contain any Installation Restoration (IR) Program sites. However, IR Site 20 (Oakland Estuary) borders Zone 8 to the north. No previous investigations have been conducted at Zone 8, and specific data regarding chemical occurrence at this zone are not available.

Sewer lines present on this zone are illustrated in the individual PEP figures. Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns and asbestos-containing materials on Zone 8 will be addressed in other sampling programs and are not considered in this ZAP.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this zone. Neither the document review nor the site inspection identified any information that indicated that any tanks are or may have been present at this zone.

RCRA Sites

No RCRA sites are located at this zone.

Zone Boundary Conditions

Zone 8 is bounded by Zones 4, 9, 12, 15, and 16. IR Site 20 (Oakland Estuary) borders Zone 8 to the north. There are no activities of concern

in these neighboring zones. Contaminated sediments in the Oakland Estuary do not represent a contamination migration concern.

Zone Target Areas and Compounds of Concern

This zone contains no zone-wide target areas and three parcel-specific target areas. This subsection of the ZAP provides an overview of the parcel-specific target areas. Detailed information regarding the parcel-specific target areas and the proposed sampling is provided in the PEPs for individual parcels. The nature and locations of the parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

Parcels 38, 39, 60, 63, 92, 93, 94, 95, 96, 97, 101, and 194 Target Areas

No parcel-specific target areas were identified at these parcels.

Parcel 61 Target Areas

- Target Area 1 (Open Space Surrounding Building 562): The soil beneath the stained hazardous material storage areas surrounding Building 562 may be contaminated with compounds such as pesticides, TPH, metals, and SVOCs. This target area covers approximately 1,000 square feet and has been classified as having a suspect likelihood of impacts. Two surface soil samples will be collected from this target area. Samples to be collected in this target area are listed in Table 6-61-1.

Parcel 62 Target Areas

- Target Area 1 (Former Railroad Tracks): This target area runs along former railroad tracks located within the parcel. Compounds potentially present within this target area are TPH, PCBs, lead, and SVOCs. This target area has been classified as having a potential likelihood of environmental impacts. Three surface soil samples will be collected from this target area. Samples to be collected in this target area are listed in Table 6-62-1.

Parcel 91 Target Areas

- Target Area 1 (Building 274 Former Location): The soils located at the former location of Building 274 may have been impacted by the plant nursery activities, storage, mixing, and use of banned pesticides may have impacted the soil. This target area covers approximately 250 square feet and has been classified as having a potential likelihood of impacts. One surface soil sample will be collected from this target area and analyzed for pesticides. Samples to be collected in this target area are listed in Table 6-91-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level technique that will be employed to assess conditions in the parcel-specific target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

A total of six surface soil samples will be collected from the locations shown on Figure 6-Z8-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the zone areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15) environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-38

PARCEL 38 EVALUATION PLAN

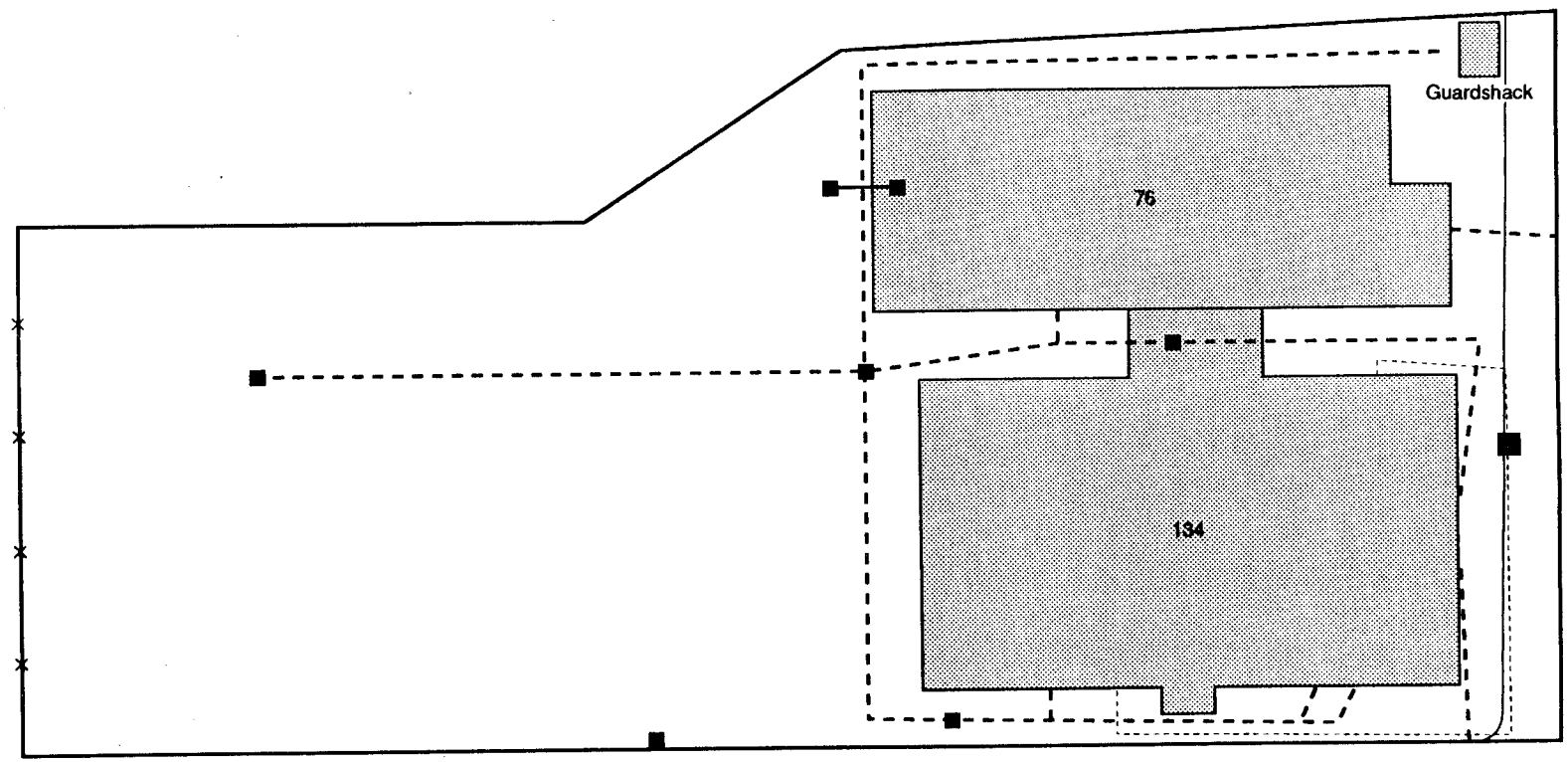
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 38 at NAS Alameda (Figure 6-38-1). The parcel, which is located in the north central portion of the base, is 4.7 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel does not contain any RCRA units. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. Therefore, no sampling is proposed at this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for this discussion, historical activities are summarized below.

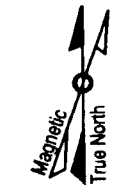
Background and Historical Activities

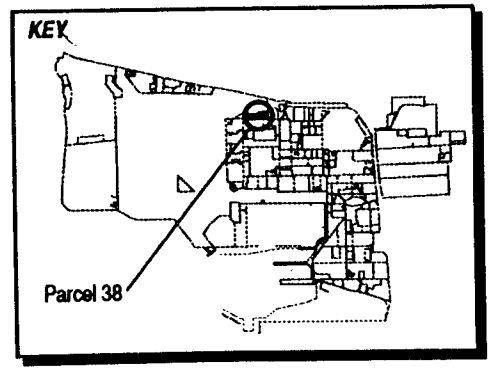
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 38, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 39, 60, 61, 62, 63, 91, 92, 93, 94, 95, 96, 97, 101, and 194. This parcel zone has been designated the North Central Recreational Zone (Zone 8). The North Central Recreational Zone encompasses the parcels that have historically been used for recreational activities. During the sampling program development, the parcels located in this zone were evaluated together. While no sampling has been proposed at this parcel, sampling results from adjacent parcels within the zone should be considered during future evaluations. While no sampling has been







LEGEND

- Storm Sewer Line
- Sewer Line
- Sanitary Sewer Manhole
- Catch Basin

Note: *1.) Parcel borders are approximate.*
2.) No screening-level sampling recommended for this parcel.

1"= 90'

Figure 6-38-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/DS/06.29.94A

proposed at this parcel, sampling results from adjacent parcels within the zone should be considered during future evaluations. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 8.

Filling began in the area covered by this parcel in approximately 1940. Prior to this time, the parcel area was wetlands. The parcel was completely filled as of 1941; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Building 76 - Swimming Pool; and Building 134 - Gymnasium) cover approximately 30 percent of the parcel. The remaining 70 percent is open space. Current parcel activities include the use and operation of a gymnasium, swimming pool, and parking lot. Seven buildings were formerly located on the parcel and have since been demolished (Buildings 184, 276, 277, 278, 279, 280, and 333). Sewer lines are present at this parcel and are shown on Figure 6-38-1.

Parcel 38 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 38 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 134

Building 134 was constructed in 1945 and serves as a gymnasium (Figure 6-38–1). This one-story building covers approximately 37,000 square feet and is in fair condition. Building 134 is constructed of wood with a concrete floor covered with wood panels. The building features a wood, tar, and gravel covered roof. No previous use is documented for this area prior to the construction of Building 117. Utilities located within and immediately surrounding Building 134 include underground sanitary sewer and storm sewer lines.

Information collected during the EBS indicates that activities conducted within this building included recreation. No previous use is documented for this area prior to the construction of Building 117.

Household cleaning chemicals and wood finish are documented to have been stored in and used in the gymnasium from 1945 to present. Approximately 50 gallons of general cleaning supplies, and 150 gallons of wood finish and nonhalogenated organic compounds are stored in a flammable storage locker.

No spills have been documented in this building. Building 134 is equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents are documented to have occurred within Building 134.

Building 76

Building 76 was constructed in 1942 and serves as a swimming pool facility (Figure 6-38–1). This one-story building covers approximately 25,000 square feet and is in fair condition. Building 76 is constructed entirely of wood, and has a concrete floor. No previous use is documented for this area prior to the construction of Building 76. Utilities located within and immediately surrounding Building 76 include sanitary sewer and storm sewer lines.

Procedures associated with operating a swimming facility include storage and use of chlorine, sodium hypochlorite, and calcium hypochlorite acids and bases. These chemicals have been stored and used in this building since 1942. Approximately 200 gallons of these chemicals are currently stored in the filter room in this building. Disposal of used chemicals is accomplished by discharging into the sanitary sewer and storm sewer lines.

No releases have been documented in this building. Building 76 is equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents are documented to have occurred within Building 76.

Open Space

Open space is defined by the parcel and building boundaries. This space occupies approximately 70 percent of the parcel. Several former buildings were located on this open space. The open space is currently used as a parking area.

Structures located within the open space include a small guard shack at the northeast corner of the parcel and a parking lot (Figure 6-38-1). The guard shack is constructed of metal with glass walls and a concrete floor. The ground surface of the open space is 70 percent paved and 30 percent unpaved. Approximately 50 percent of the paved area is surfaced with asphalt and 50 percent with concrete. The pavement is generally in fair condition. The unpaved areas of open space are covered with gravel (30 percent), grass and landscaping (30 percent), and bare soil (40 percent). This parcel has open space areas that are landscaped or unpaved. These open space areas are shown on Figure 6-38-1. These areas have been unpaved since the 1940s. Utilities located within and immediately surrounding the open space include sanitary sewer and storm sewer lines.

Building 184 was formerly located in this open space. Its use is unknown and it was demolished in approximately 1966. Building 184 covered approximately 10,000 square feet.

Building 276 was formerly located in this open space. Its use is unknown and it was demolished in approximately 1963. Building 276 covered approximately 5,000 square feet.

Building 277 was formerly located in this open space. It housed the Special Services Issue office and was demolished in approximately 1992. Building 277 covered approximately 850 square feet.

Building 278 was formerly located in this open space. It was a landscaping equipment shed and was demolished in approximately 1992. Building 278 covered approximately 850 square feet.

Building 279 was formerly located in this open space. It was a landscaping equipment shed and was demolished in approximately 1953. Building 279 covered approximately 850 square feet.

Building 280 was formerly located in this open space. Its use is unknown and it was demolished in approximately 1953. Building 280 covered approximately 850 square feet.

Building 333 was formerly located in this open space. Its use is unknown and it was demolished in approximately 1970. Building 333 covered approximately 900 square feet.

No chemicals are documented to have been stored in the open space. No spills or other incidents are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 38 is bounded by Parcel 23 to the north, Parcel 41 to the south, Parcel 37 to the west, and Parcel 60 to the east. Activities on Parcel 23 include normal runway activities. Parcel 41 is part of the Enlisted Barracks Zone; lead-based paint and asbestos are concerns on Parcel 41. An activity of concern at Parcel 37 is the distribution of JP-5 and motor oil. Parcel 60 is a CERFA-eligible parcel.

No parcels contiguous with Parcel 38 are IR sites. No sampling is called for in this PEP in response to the IR sites greater than 500 feet from Parcel 38. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 38, then additional sampling on Parcel 38 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 38, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-38-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. No Industrial Hygiene (IH) sampling is required for Parcel 38 because no industrial buildings are present.

As noted earlier, Parcel 38 has open space areas that are landscaped or unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling is required for Parcel 38.

Once the data gaps in Table 6-38-1 are addressed, Parcel 38 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological concerns, and impacts of the neighboring parcels must be resolved before this parcel can be leased or transferred.

TABLE 6-38-1

Summary of Data Gaps
NAS Alameda Parcel 38

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 38.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 38.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• JP-5 fuel distribution from fuel lines at Parcel 37 may potentially result in groundwater contamination migration from this neighboring parcel.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-38-1

Summary of Data Gaps
NAS Alameda Parcel 38

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, and electrical lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

SECTION 6-39

PARCEL 39 EVALUATION PLAN

Parcel 39 is a CERFA-eligible parcel. No further evaluation is required.

SECTION 6-60

PARCEL 60 EVALUATION PLAN

Parcel 60 is a CERFA-eligible parcel. No further evaluation is required.

SECTION 6-61

PARCEL 61 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 61 at NAS Alameda (Figure 6-61–1). The parcel, which is located in the north central portion of the base, is approximately six acres in size and is roughly "T"-shaped. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One parcel-specific target investigation area (target area) has been identified on this parcel. No zone-wide target areas have been identified. Surface soil sampling will be used to accomplish the screening-level investigation. Table 6-61-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 61, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 61, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine area on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 38, 39, 60, 62, 63, 91, 92, 93, 94, 95, 96, 97, 101 and 194. This parcel zone has been designated the North Central Recreational Zone (Zone 8). The North Central Recreational Zone encompasses the parcels that have historically been used for recreational activities. During the sampling program development, the parcels located in this zone were evaluated

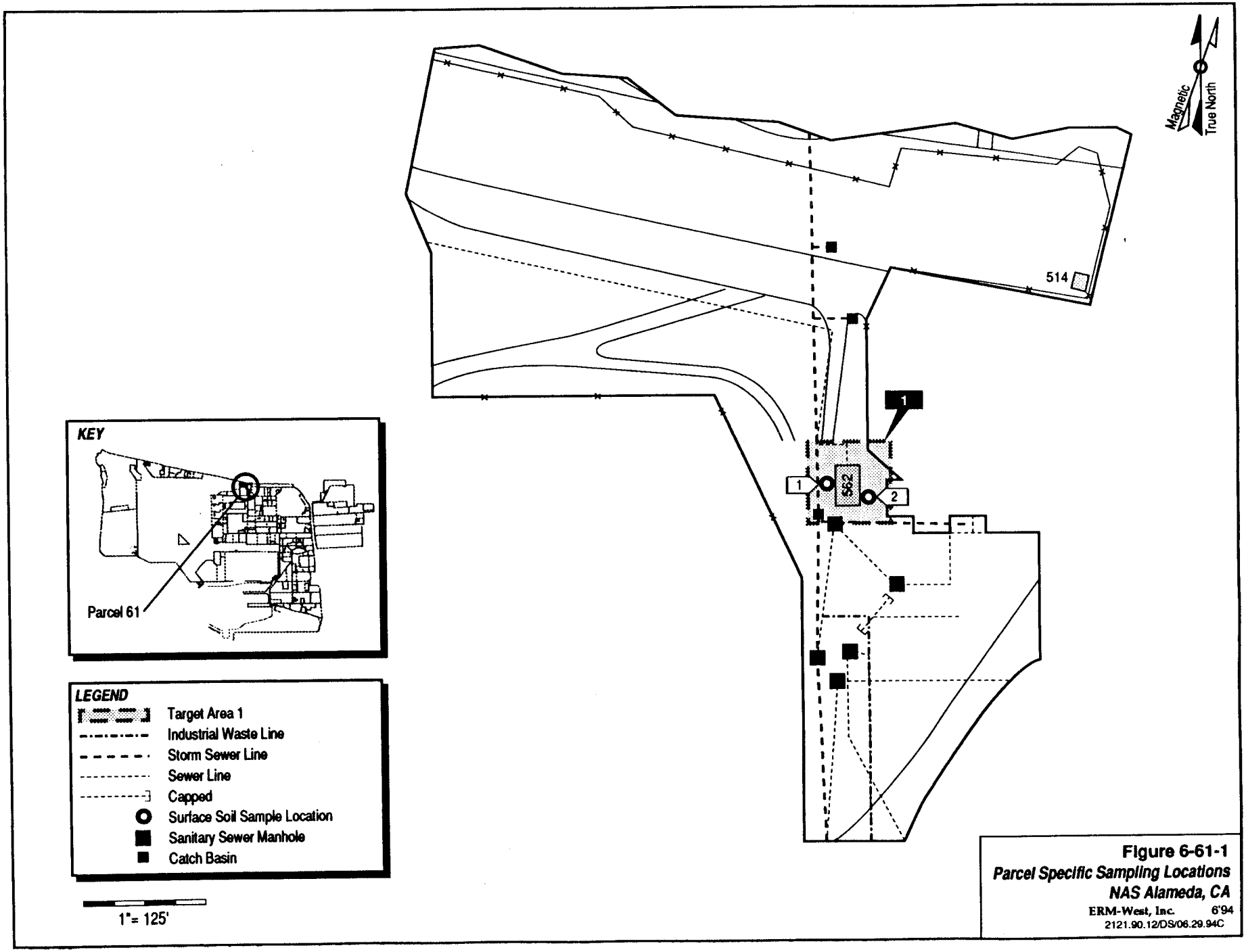


Figure 6-61-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94C

TABLE 6-61-1

Summary of Recommended Samples
NAS Alameda Parcel 61

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
61-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, PCBs, SVOCs, Metals	TPH, PCBs, SVOCs, Metals	Modified EPA 8015, EPA 8080, CLP RAS, ICAP SCAN
61-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, PCBs, SVOCs, Metals	TPH, PCBs, SVOCs, Metals	Modified EPA 8015, EPA 8080, CLP RAS, ICAP SCAN

together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. The parcels in this zone were considered as a whole during the evaluation. Sampling results from adjacent parcels within the zone should be considered during future evaluations. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 8.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was wetlands. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

During the site inspection two buildings were located on the parcel. A semi-permanent structure was moved onto the parcel after the site inspection and was not included in the site inspection. The building is located on the southern edge of the parcel and the use of this building is unknown. The two buildings documented as being located on the parcel are Building 562 (Sewage Pump Station) and Building 514 (Wheels Up / Wave Off Landing Aid). Five CONEX boxes and one structure (exercise/play structure) are also located on the parcel. The buildings and structures located on the parcel cover less than five percent of the parcel. The remaining 95 percent is open space. The parcel area is currently made up of roadways, sidewalks, a landscaped area, and buildings. Two buildings were formerly located on the parcel and have since been demolished (Buildings 29 and 103). Sewer lines are present on this parcel and are shown on Figure 6-61-1.

Parcel 61 is located on the south side of an Installation Restoration (IR) Program site (IR Site 20 - Oakland Estuary). No previous investigations have been conducted at Parcel 61, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 514

Building 514 was constructed in 1964 and served as a wheels up/ wave off landing aid (Figure 6-61-1). This one-story building is constructed of concrete, covers approximately 100 square feet, and is in fair condition.

TABLE 6-61-2

Summary of Data Gaps
NAS Alameda Parcel 61

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 61.
Installation Restoration (IR) Sites	• IR Site 20 (Oakland Estuary) borders Parcel 61 to the north. This IR site is not expected to impact Parcel 61.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Perimeter of Building 562.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-61-2

Summary of Data Gaps
NAS Alameda Parcel 61

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, natural gas, and water lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Utilities located within and immediately surrounding Building 514 include sanitary sewer and storm sewer lines. No chemicals are documented to have been stored in or used at Building 514. No spills or other incidents are documented in this building. Building 514 is not equipped with a heating-ventilation-air conditioning (HVAC) system.

Building 562

Building 562 was constructed around 1965 and served as a sewage pump station (Figure 6-61-1). This one-story building is constructed of concrete, covers approximately 5,000 square feet, and is in fair condition.

Utilities located within and immediately surrounding Building 562 include sanitary sewer, industrial sewer, and storm sewer lines. No chemicals are documented to have been stored in or used at Building 562. No spills or other incidents are documented in this building. Building 562 is not equipped with a heating-ventilation-air conditioning (HVAC) system.

Open Space

The open space covers approximately 95 percent of the parcel. The open space is 20 percent paved and 80 percent unpaved. Approximately 50 percent of the paved area is surfaced with asphalt and 50 percent is covered with concrete. The pavement is generally in fair condition. The unpaved areas of the open space are covered with grass and landscaping (50 percent) and bare soil (50 percent). These areas have always been unpaved.

Structures located within the open space include five CONEX storage containers which were put in place around 1990.

Buildings 29 and 103 were formerly located in this open space. Although the functions of these buildings are unknown, Building 29 covered approximately 100 square feet and Building 103 covered approximately 9,000 square feet. Both buildings were demolished around 1953.

Utilities located within and immediately surrounding the open space include sanitary sewer, storm sewer, and industrial sewer lines.

EBS information indicates that the open space is used for the following functions: recreational activities, parking, roadways, sidewalks, dog training, and an aircraft flight approach area.

Solvents, corrosives, paints, dry cleaning solvents, lubricants and detergents are documented to have been stored in and used at the areas around Building 562, and the areas around the CONEX boxes during the site inspection. Approximately 225 gallons of the chemicals listed above were being stored in the open space. Disposal of used chemicals is accomplished by returning all hazardous waste to the hazardous waste collection unit. All excess chemicals are returned to the hazardous materials department.

Site inspection data indicate that undocumented spills may have occurred on the west side of Building 562. These spills appear to be related to the sewage pump station, and to have involved a relatively significant quantity of released material. The staining covers an area measuring approximately 30 feet by 20 feet. No other incidents are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 61 is bounded by Parcels 23, 39, 41, 60, 63, 64, 82, 194, and the Oakland Estuary (IR Site 20). There are no activities of concern on these adjacent parcels. The Oakland Estuary (IR Site 20) borders Parcel 61 to the north. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 61, then additional sampling on Parcel 61 may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 61, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-61-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway

to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 61 because no industrial buildings are present.

As noted earlier, Parcel 61 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling is required for Parcel 61.

Once the data gaps in Table 6-61-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 61 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target area. The nature and location of this area were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following target area was identified based on possible impacts from activities described above involving potentially hazardous substances.

- Target Area 1 (Open Space Surrounding Building 562): The soil beneath the stained hazardous material storage areas surrounding Building 562 may be contaminated with compounds such as pesticides, TPH, metals, and SVOCs. This target area covers approximately 1,000 square feet and has been classified as having a suspect likelihood of impacts. Two surface soil samples will be collected from the locations shown on Figure 6-61-1. These samples are listed in Table 6-61-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level investigation technique that will be used to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

Table 6-61-1 summarizes screening-level sampling and analysis for the parcel's target areas. Two surface soil samples will be collected from the locations shown on Figure 6-61-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Surface soil sampling locations shown on Figure 6-61-1 are approximate.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-62

PARCEL 62 EVALUATION PLAN

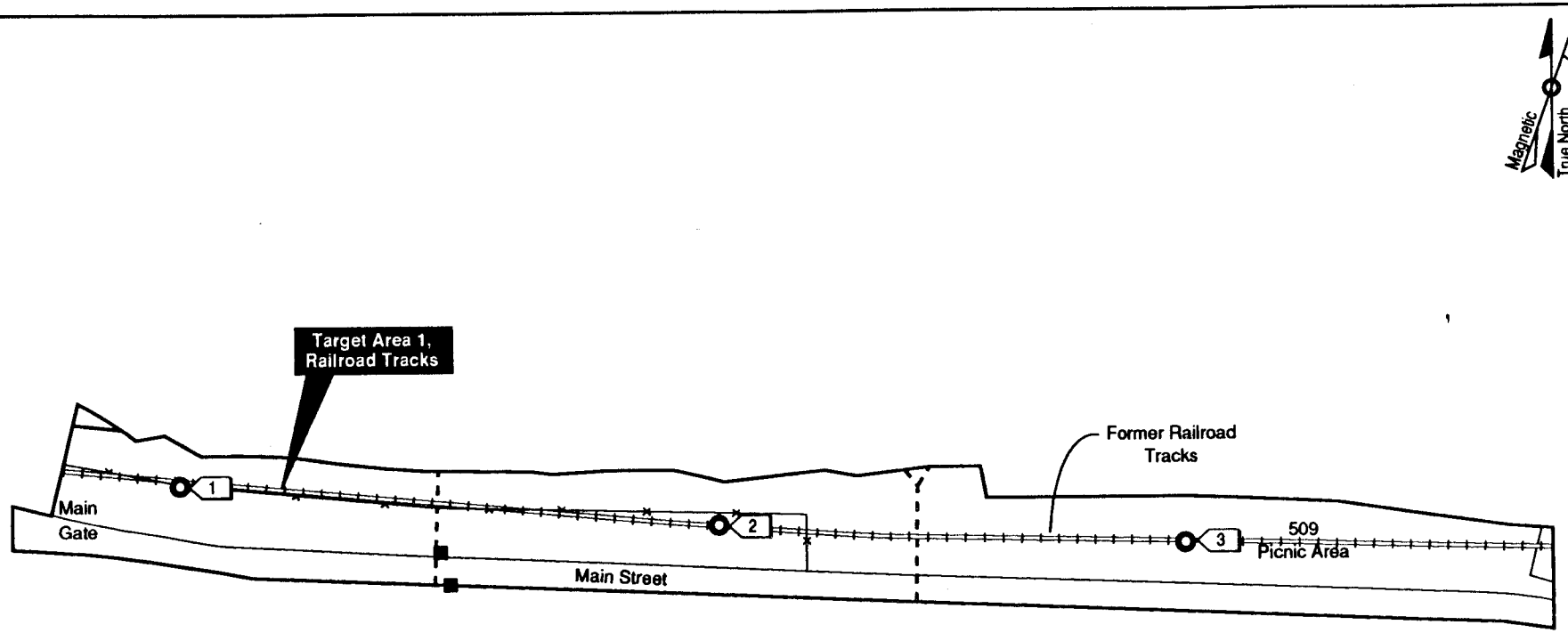
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 62 at NAS Alameda (Figure 6-62-1). The parcel, which is located in the north central portion of the base, is 9.5 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains no RCRA sites. One parcel-specific target investigation area (target area) has been identified on this parcel. No zone-wide target areas have been identified. Surface soil sampling will be used to accomplish the screening-level investigation. Table 6-62-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 62, historical activities are discussed below.

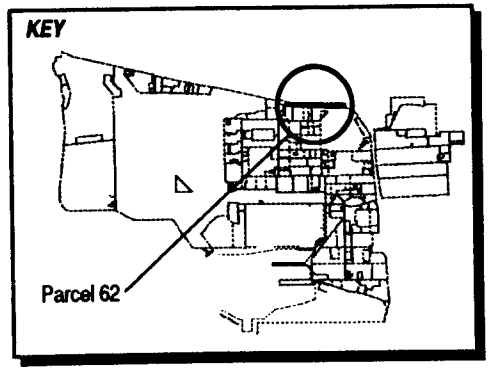
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 62 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 38, 39, 60, 61, 63, 91, 92, 93, 94, 95, 96, 97, 101 and 194. This parcel zone has been designated the North Central Recreational Zone (Zone 8). The North Central Recreational Zone encompasses the parcels that have historically been used for recreational activities. During the sampling program development, the parcels located in this zone were evaluated





LEGEND

- Storm Sewer Line
- Surface Soil Sample Location
- Catch Basin

1"= 250'

Figure 6-62-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94C

TABLE 6-62-1

Summary of Recommended Samples
NAS Alameda Parcel 62

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
62-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, PCBs, SVOCs, Lead	TPH, PCBs, SVOCs, Lead	Modified EPA 8015, EPA 8080, CLP RAS, ICAP SCAN
62-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, PCBs, SVOCs, Lead	TPH, PCBs, SVOCs, Lead	Modified EPA 8015, EPA 8080, CLP RAS, ICAP SCAN
62-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, PCBs, SVOCs, Lead	TPH, PCBs, SVOCs, Lead	Modified EPA 8015, EPA 8080, CLP RAS, ICAP SCAN

together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. The parcels in this zone were considered as a whole during the evaluation. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 8.

Filling began in the area covered by this parcel in the early 1900s. Prior to this time, the parcel area was wetlands. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, no buildings are located on this parcel. The parcel area is open space presently in use as a vehicle parking lot and picnic area. Main Street runs along the entire southern boundary of the parcel. Historically, railroad tracks were located on Parcel 62. Storm sewer lines are present at this parcel and are shown on Figure 6-62-1.

Parcel 62 is located adjacent to one Installation Restoration (IR) Program site (IR Site 20 - Oakland Estuary). No previous investigations have been conducted at Parcel 62, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space are described in detail below:

Open Space

The entire parcel is open space. The ground surface of the open space is 75 percent paved and 25 percent unpaved. Approximately 90 percent of the paved area is surfaced with asphalt and 10 percent is covered with concrete. The pavement is generally in good condition. The unpaved areas of the open space are covered with gravel or grass. This open space area is shown on Figure 6-62-1. This area has been unpaved since approximately 1965.

Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, water, and electrical lines. No chemicals are documented to have been stored or used in the open space. No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 62 is bounded by Parcels 61 and 194 to the west and Parcels 39, 91, 92, 93, 94, 96, and 98 to the south. IR Site 20, the Oakland Estuary, borders the parcel to the north. Impacted sediments have been identified in the Oakland Estuary; however, migration of compounds of concern onto Parcel 62 is not probable.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 62, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-62-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 62 because no buildings are present.

As noted earlier, Parcel 62 has open space areas that are landscaped and unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only

TABLE 6-62-2

Summary of Data Gaps
NAS Alameda Parcel 62

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 61.
Installation Restoration (IR) Sites	• IR Site 20 (Oakland Estuary) borders to the north. This IR site is not expected to impact Parcel 62.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Railroad Tracks.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

SECTION 6-63

PARCEL 63 EVALUATION PLAN

Parcel 63 is a CERFA-eligible parcel. No further evaluation is required.

SECTION 6-91

PARCEL 91 EVALUATION PLAN

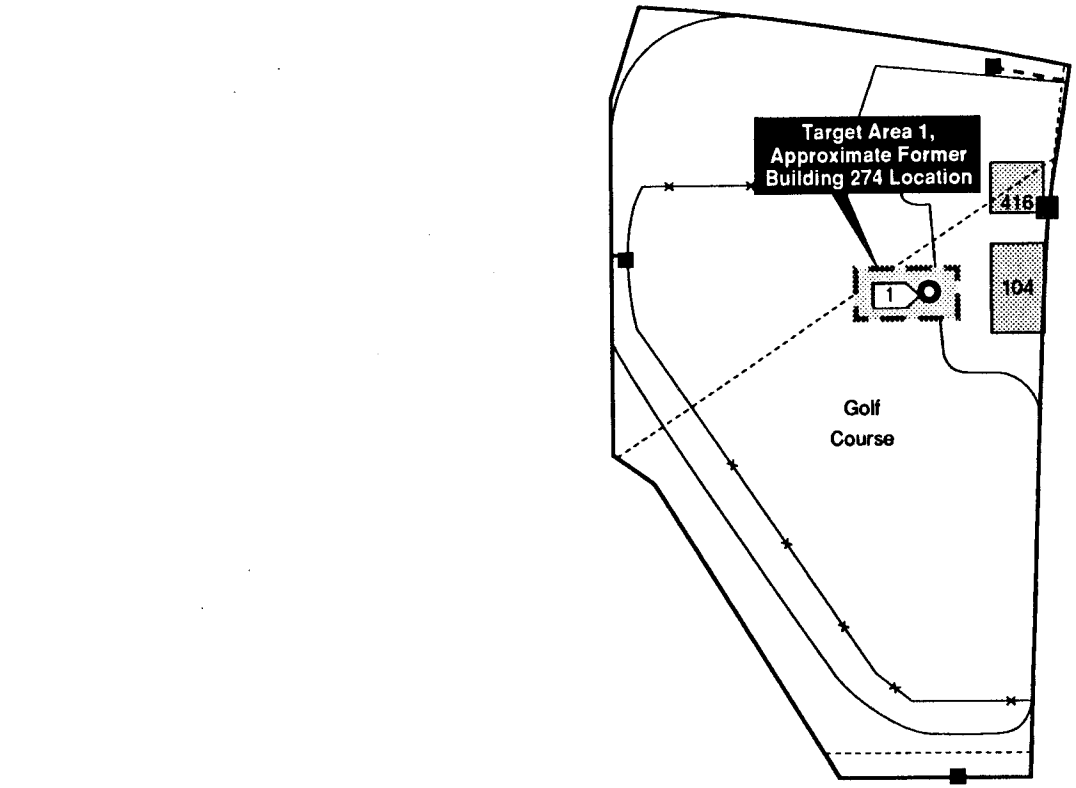
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 91 at NAS Alameda (Figure 6-91-1). The parcel, which is located in the north central portion of the base, is approximately three acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One parcel-specific target investigation area (target area) has been identified on this parcel. No zone-wide target areas have been identified on this parcel. Surface soil sampling will be used to accomplish the screening-level investigation. Table 6-91-1 provides the complete list of samples and analyses prescribed by this plan. To provide a basis for the proposed investigation of Parcel 91, historical activities are discussed below.

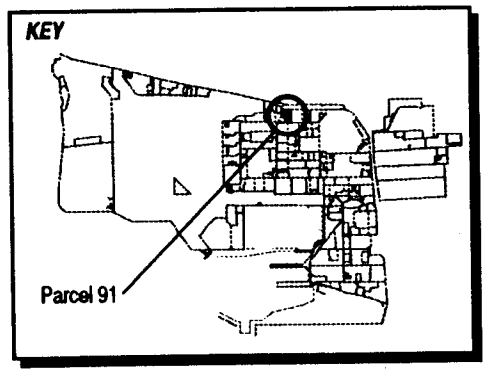
Background and Historical Activities

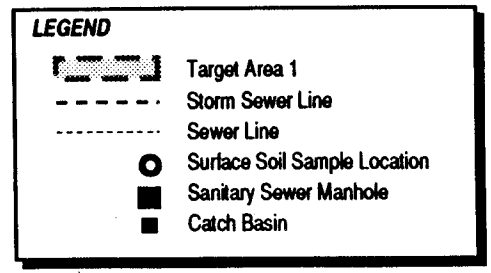
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 91 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 38, 39, 60, 61, 62, 63, 92, 93, 94, 95, 96, 97, 101, and 194. This parcel zone has been designated the North Central Recreational Zone (Zone 8). The North Central Recreational Zone encompasses the parcels that have historically been used for recreational activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide







1"= 125'

Magnetic
True North

Figure 6-91-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94C

TABLE 6-91-1

Summary of Recommended Samples
NAS Alameda Parcel 91

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
91-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	Pesticides	CLP RAS

considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 8.

Filling began in the area covered by this parcel in approximately 1900. Prior to this time, the parcel area was wetlands. The parcel was completely filled as of 1929; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 416) covers less than five percent of the parcel. The remaining area is open space. The parcel area is presently in use for storage and for recreation. Two buildings (Buildings 104 and 274) were formerly located on the parcel and have since been demolished. Sewer lines are present on this parcel and are shown on Figure 6-91-1.

Parcel 91 is located within 500 feet of an Installation Restoration (IR) Program site (IR Site 20 - Oakland Estuary). No previous investigations have been conducted at Parcel 91, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described below.

Building 416

Building 416 was constructed in 1957 and has served as a storage shed (Figure 6-91-1). This building covers approximately 500 square feet and is in fair condition. Building 416 is constructed of wood with a concrete floor and a corrugated metal roof.

Utilities located within and immediately surrounding Building 416 include sanitary sewer, storm sewer, water, and electrical lines.

Information collected during the EBS indicates that activities conducted within this building was primarily confined to equipment storage. Broken lawn mowers, wood, and materials being held for recycling were all present here; the recycling bays are located on the south side of the structure. Available documents indicate the presence of stains on the floor of Building 416.

Building 416 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 416.

Open Space

The open space covers more than 95 percent of the parcel. The open space is 20 percent paved and 80 percent unpaved. Approximately 90 percent of the paved area is surfaced with asphalt and 10 percent is covered with concrete. The pavement is generally in fair condition. The unpaved areas of the open space are covered with grass (75 percent), sand (10 percent), and bare soil (15 percent). The recreation areas on this parcel are sand volleyball courts, a barbecue area, picnic tables, and grassy areas. The landscaped and unpaved open space area is shown on Figure 6-91-1. This area has been landscaped since approximately 1965.

Structures located within the open space include two flammable materials CONEX boxes.

Buildings 104 and 274 were formerly located in this open space. Building 274, a nursery building for plants, was demolished in 1962. The other building was demolished recently. Banned pesticides may have been stored, mixed or used in and around the former plant nursery. These activities are characteristic of plant nurseries of the period.

Utilities located within and immediately surrounding the open space include sanitary sewer, storm sewer, steam, water, and underground electrical lines. One pad-mounted transformer is located on the south side of Parcel 91.

EBS information indicates that activities conducted within this open space include material storage, vehicle parking, disposal, recreation, and drum storage.

Fuels and petroleum products were observed in one of the CONEX boxes by site reviewers. The other CONEX box appeared to be used to store grease, wood stain, transmission fluid, and paint. EBS files indicate that the metal floors of these CONEX boxes were heavily stained. It is possible that the soil and grass area surrounding these storage facilities was impacted by the storage activities. Stains typically associated with vehicle parking are located in the parcel's parking lot.

Additional information collected during the EBS indicates that during the early 1990's, pesticides were applied biannually to the ground

surface within the open space to control grasses and weeds. Although no documentation is available, it is likely that pesticides were also applied to this area prior to 1992.

No incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 91 is bounded by Parcels 39, 62, 63, 64, 84, and 92,. No parcels contiguous with Parcel 91 are IR sites; therefore, no sampling is called for in this PEP in response to nearby IR sites.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 91, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-91-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3.

TABLE 6-91-2

Summary of Data Gaps
NAS Alameda Parcel 91

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 91.
Installation Restoration (IR) Sites	• IR Site 20 (Oakland Estuary) is located within 500 feet north of Parcel 91. This IR site is not expected to impact Parcel 91.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1 (Former Building 274).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosures issues, only.

TABLE 6-91-2

Summary of Data Gaps
NAS Alameda Parcel 91

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

No Industrial Hygiene (IH) sampling is required for Parcel 91 because no industrial buildings are present.

As noted earlier, Parcel 91 has had open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling has been addressed as a parcel-specific issue for this parcel because of the storage and mixing that occurs in ground sheds.

Once the data gaps in Table 6-91-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 91 may be reclassified from BRAC Category 7 to another BRAC category

Target Areas and Compounds of Concern

This subsection of the PEP discusses the specific parcel target area. The nature and location of this area were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Building 274 Former Location): The soils located at the former location of Building 274 may have been impacted by the plant nursery activities, storage, mixing, and use of banned pesticides may have impacted the soil. This target area covers approximately 250 square feet and has been classified as having a potential likelihood of impacts. One surface soil sample will be collected from this area and analyzed for pesticides. The sample to be collected in this target area is listed in Table 6-91-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level investigation technique that will be used to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

Table 6-91-1 summarizes screening-level sampling and analysis for the parcel's target area. One surface soil sample will be collected from the

location shown on Figure 6-91-1. Sampling will be conducted in accordance with the referenced SOP in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

The surface soil sampling location shown on Figure 6-91-1 is approximate. The sample should be collected from the area adjacent to the storage lockers or from areas of visual staining.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-92

PARCEL 92 EVALUATION PLAN

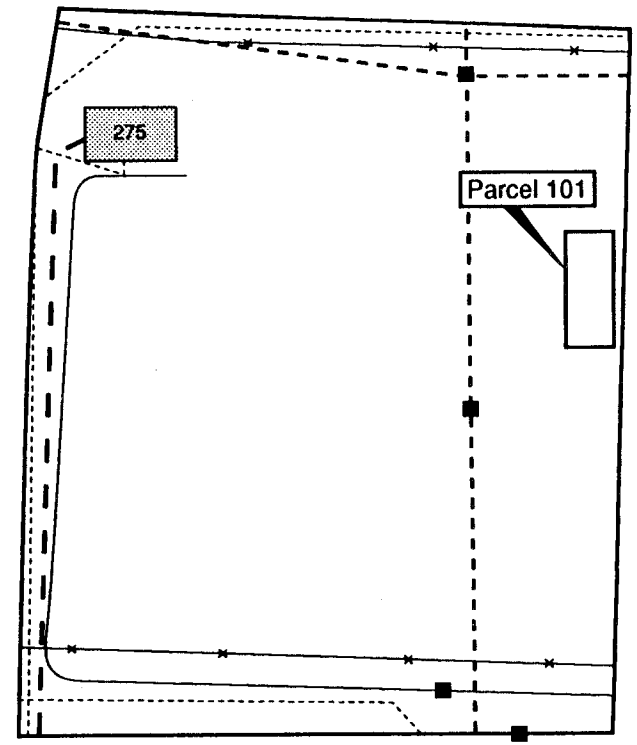
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 92 at NAS Alameda (Figure 6-92-1). The parcel, which is located in the north central portion of the base, is 4.5 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific or zone-wide target investigation areas (target areas) have been identified at this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 92, historical activities are discussed below.

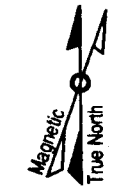
Background and Historical Activities

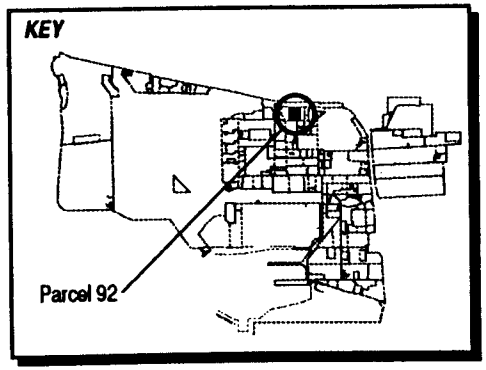
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 92 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 38, 39, 60, 61, 62, 63, 91, 93, 94, 95, 96, 97, 101 and 194. This parcel zone has been designated the North Central Recreational Zone (Zone 8). The North Central Recreational Zone encompasses the parcels that have historically been used for recreational activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. The parcels in this zone were considered as a whole during the evaluation. While no sampling







LEGEND

- Industrial Waste Line
- Storm Sewer Line
- Sewer Line
- Catch Basin

Note: *No screening-level sampling recommended for this parcel.*

1"= 125'

Figure 6-92-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94C

has been proposed at this parcel, sampling results from adjacent parcels within the zone should be considered during future evaluations. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 8.

During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. The parcels in this zone were considered as a whole during the evaluation. No sampling is proposed in the PEPs for any of the parcels in the zone; however, other data gaps remain for this parcel and other parcels in this zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 8.

Filling began in the area covered by this parcel in approximately 1900. Prior to this time, the parcel area was wetlands. The parcel was completely filled as of 1929; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 275) covers less than five percent of the parcel. The remaining area is open space. The parcel area is presently an open grassy area. Parcel 101 is located within Parcel 92. Parcel 101 is a CERFA-qualified parcel and does not require any further investigation. Sewer lines are present on this parcel and are shown on Figure 6-92-1.

Parcel 92 is located within 500 feet of an Installation Restoration (IR) Program site (IR Site 20 - Oakland Estuary). No previous investigations have been conducted at Parcel 92, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 275

Building 275 was constructed in 1946 and served as a pavements/grounds equipment shed (Figure 6-92-1). This building covers approximately 2,000 square feet and is in fair condition. Building 275 is constructed of wood with a cement floor and corrugated metal roof.

Utilities located within and immediately surrounding Building 275 include underground sanitary sewer, storm sewer, steam, water, electrical, industrial sewer, and overhead electrical lines.

Information collected during the EBS indicates that activities conducted within this building included chemical storage. Petroleum products, fuel products, nonhalogenated organic compounds, and batteries are documented to have been stored in Building 275. A maximum of 700 gallons may be stored in this building; 25 gallons were being stored at the time of visual inspections.

Several small stains were noted throughout the workshop. Site reviewers suspect the releases are associated with the oil, grease, and fuel from the gardening equipment motors. No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 275.

Open Space

The open space covers more than 95 percent of the parcel. The open space is 20 percent paved and 80 percent unpaved. Approximately 75 percent of the paved area is surfaced with asphalt and 25 percent is covered with concrete. The pavement is generally in fair condition. The unpaved areas of the open space are entirely covered with grass. This open space area is shown on Figure 6-92-1. This area has been unpaved since approximately 1965.

Utilities located within and immediately surrounding the open space include sanitary sewer, storm sewer, steam, water, industrial sewer, and electrical lines.

Information collected during the EBS indicates that activities conducted within this open space include equipment parking, material storage, disposal, and recreation (this area is an open grassy field). Mowing equipment is parked on the grass on the north side of Building 275. No incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 92 is bounded by Parcel 91 to the west, and Parcels 84 and 90 to the south. Parcel 62 borders the to the north, and Parcel 93 borders the parcel to the east. No parcels contiguous with Parcel 92 are IR Sites; therefore no sampling is called for in this PEP in response to nearby IR sites.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 92, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-92-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 92 because no industrial buildings are present.

As noted earlier, Parcel 92 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling is required for Parcel 92.

Once the data gaps in Table 6-92-1 are addressed and screening-level sampling results from the target areas described below are compared to

TABLE 6-92-1

Summary of Data Gaps
NAS Alameda Parcel 92

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 92.
Installation Restoration (IR) Sites	• IR Site 20 (Oakland Estuary) is located within 500 feet of Parcel 92. This IR site is not expected to impact Parcel 92.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosures issues, only.

TABLE 6-92-1

Summary of Data Gaps
NAS Alameda Parcel 92

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, industrial sewer, electrical, and water lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

the appropriate screening levels, Parcel 92 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. Staining and associated IH issues throughout the workshop in Building 275 will be inspected as part of a one time compliance plan. However, concerns pertaining to asbestos, lead-based paint, underground lines, and radiological concerns must be resolved before Parcel 92 may be reclassified from BRAC Category 7 to another BRAC category.

SECTION 6-93

PARCEL 93 EVALUATION PLAN

Parcel 93 is a CERFA-eligible parcel. No further evaluation is required.

SECTION 6-94

PARCEL 94 EVALUATION PLAN

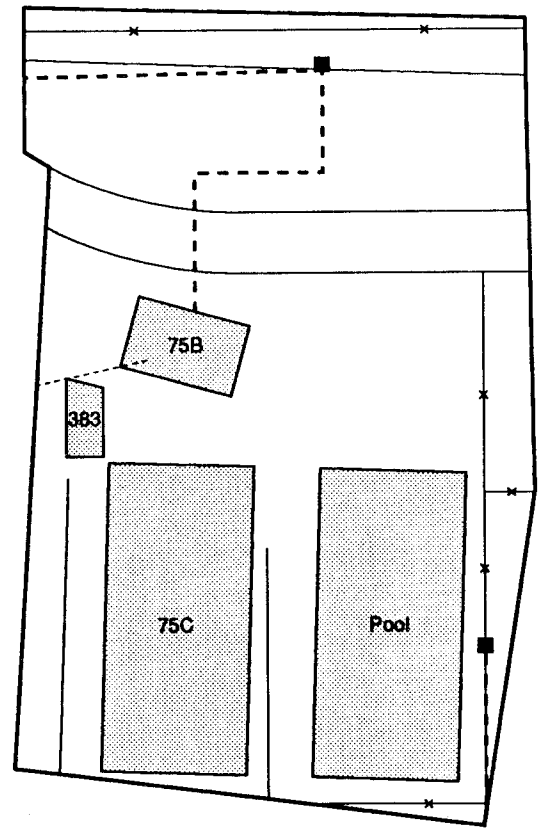
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 94 at NAS Alameda (Figure 6-94-1). The parcel, which is located in the north central portion of the base, is 0.8 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 94, historical activities are discussed below.

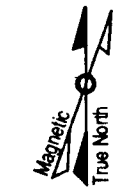
Background and Historical Activities

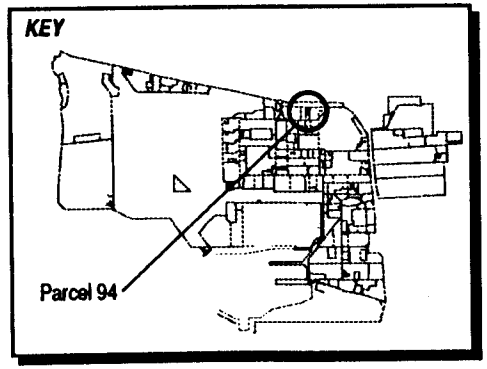
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 94 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 38, 39, 60, 61, 62, 63, 91, 92, 93, 95, 96, 97, 101 and 194. This parcel zone has been designated the North Central Recreational Zone (Zone 8). The North Central Recreational Zone encompasses the parcels that have historically been used for recreational activities. The parcels in this zone were considered as a whole during the evaluation. While no sampling has been proposed at this parcel, sampling results from adjacent parcels within the zone should be considered during future







LEGEND

- Storm Sewer Line
- Sewer Line
- Catch Basin

Note: *No screening-level sampling recommended for this parcel.*

1"= 60'

Figure 6-94-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94C

evaluations. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 8.

Filling began in the area covered by this parcel in approximately 1900. Prior to this time, the parcel area was wetlands. The parcel was completely filled as of 1929; the ground level and grading have not changed significantly since that time.

The parcel area is presently in use as a material storage and disposal area. Two buildings (Buildings 75B and 32) were formerly located on the parcel and have since been demolished. Structure 75C, a swimming pool, is no longer in use as such; instead it holds rubble from the two demolished buildings. Sewer lines are present on this parcel and are shown on Figure 6-94-1.

Parcel 94 is located within 500 feet of an Installation Restoration (IR) Program site (IR Site 20 - Oakland Estuary). No previous investigations have been conducted at Parcel 94, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space are described in detail below.

Open Space

The open space is 40 percent paved and 60 percent unpaved. Approximately 60 percent of the paved area is the pool. The remaining 40 percent consist of the concrete foundations from the demolished buildings. The pavement is generally in fair condition. The unpaved areas of the open space are covered with grass. This open space area is shown on Figure 6-94-1. This area has been landscaped since approximately 1965. Structures located within the open space include an abandoned swimming pool and concrete foundations.

Utilities located within and immediately surrounding the open space include underground natural gas, sanitary sewer, storm sewer, water, and electrical lines.

EBS information indicates that activities conducted within this open space include material storage and disposal. Available documents do not indicate any presence, use, or disposal of chemicals in this open

space. No incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 94 is bounded by Parcels 62, 93, 95, and 96. No parcels contiguous with Parcel 94 are IR sites; therefore, no sampling is called for in this PEP in response to nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 94, then additional sampling on Parcel 94 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 94, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-94-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 94 because no buildings are present.

TABLE 6-94-1

Summary of Data Gaps
NAS Alameda Parcel 94

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 94.
Installation Restoration (IR) Sites	• IR Site 20 (Oakland Estuary) is located within 500 feet of Parcel 94. This IR site is not expected to impact Parcel 94.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosures issues, only.

TABLE 6-94-1

Summary of Data Gaps
NAS Alameda Parcel 94

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, water, natural gas, and electrical lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

As noted earlier, Parcel 94 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling is required for Parcel 94.

Once the data gaps in Table 6-94-1 are addressed Parcel 94 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, underground lines, and radiological concerns must be resolved before Parcel 94 may be reclassified from BRAC Category 7 to another BRAC category.

SECTION 6-95

PARCEL 95 EVALUATION PLAN

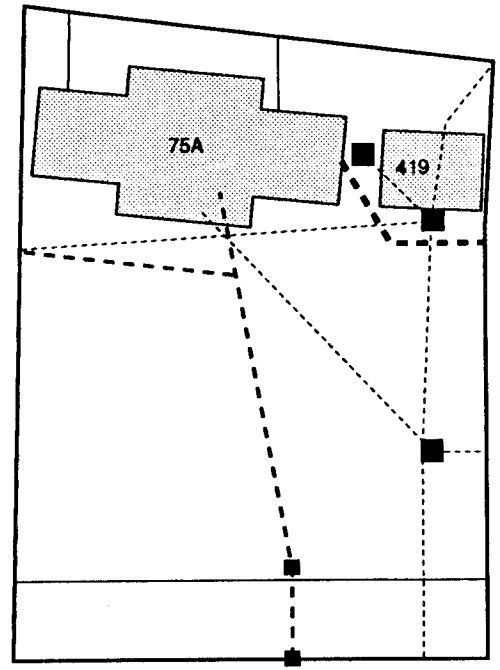
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 95 at NAS Alameda (Figure 6-95-1). The parcel, which is located in the north central portion of the base, is 0.7 acres in size and is roughly square in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 95, historical activities are discussed below.

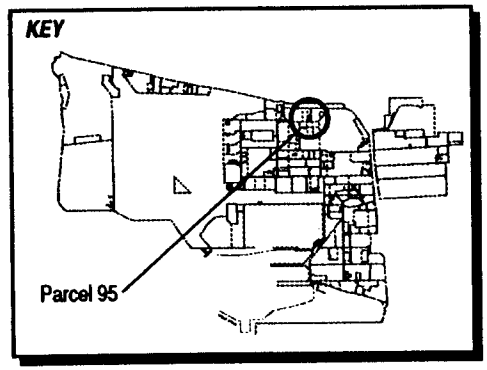
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 95 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 38, 39, 60, 61 62, 63, 91, 92, 93, 94, 96, 97, 101, and 194. This parcel zone has been designated the North Central Recreational Zone (Zone 8). The North Central Recreational Zone encompasses the parcels that have historically been used for recreational activities. The parcels in this zone were considered as a whole during the evaluation. While no sampling has been proposed at this parcel, sampling results from adjacent parcels within the zone should be considered during future





LEGEND

- Steam Line
- Storm Sewer Line
- Sewer Line
- Catch Basin

Note: *No screening-level sampling recommended for this parcel.*

1"= 60'

Magnetic
True North

Figure 6-95-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94C

evaluations. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 8.

Filling began in the area covered by this parcel in approximately 1900. Prior to this time, the parcel area was wetlands. The parcel was completely filled as of 1929; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Buildings 75A and 419) cover approximately 10 percent of the parcel. The remaining 90 percent is open space. Underground steam and sewer lines are present on this parcel and are shown on Figure 6-95-1.

Site reviewers indicated that there was no apparent use for this parcel. Parcel 95 is located within 500 feet of an Installation Restoration (IR) Program site (IR Site 20 - Oakland Estuary). No previous investigations have been conducted at Parcel 95, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 75A

Building 75A was constructed in 1945 and served as the dressing rooms, baths, shower, toilets, and pumphouse for the pool (Figure 6-95-1). This one-story building is constructed of concrete and is in fair condition.

Utilities located within and immediately surrounding Building 75A include underground natural gas, sanitary sewer, storm sewer, steam, water, and electrical lines.

Information collected during the EBS indicates that activities conducted within this building included the operation of a chlorine storage tank. There is a sign posted outside of the door that requires use of a chlorine mask to enter the building.

No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 75A.

Building 419

Building 419 was constructed in 1956 and served as an outdoor barbecue facility (Figure 6-95-1). This building covers approximately 300 square feet and is in fair condition. Building 419 is constructed of metal and fiberglass.

Utilities located within and immediately surrounding Building 419 include underground gas, sanitary sewer, storm sewer, telephone, steam, water, and electrical lines, and overhead electrical lines.

Information collected during the EBS indicates that activities conducted within this building included mess hall operations. The only chemicals noted in Building 419 were stored beneath a sink. Site reviewers observed 26 gallons of miscellaneous nonhalogenated organic compounds and ten gallons of paint.

Available documents do not indicate that Building 419 is equipped with a heating-ventilation-air conditioning (HVAC) system. No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 419.

Open Space

The open space covers approximately 90 percent of the parcel. The open space is 10 percent paved and 90 percent unpaved. The entire paved area is surfaced with concrete. The pavement is generally in fair condition. The unpaved areas of the open space are covered with grass. This open space area is shown on Figure 6-95-1. This area has been landscaped since approximately 1965.

Utilities located within and immediately surrounding this open space include underground natural gas, sanitary sewer, storm sewer, steam, water, and electrical lines, and overhead electrical lines. One pad-mounted transformer is located south of Building 419.

No chemical storage, use, or disposal occurs at this open space. No incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 95 is bounded by Parcels 89, 93, 94, and 96. No parcels contiguous with Parcel 95 are IR sites; therefore, no sampling is called for in this PEP in response to nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 95, then additional sampling on Parcel 95 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 95, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-95-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 95 because no industrial buildings are present.

As noted earlier, Parcel 95 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling is required for Parcel 95.

Once the data gaps in Table 6-95-1 are addressed Parcel 95 may be leased or transferred, as appropriate.

TABLE 6-95-2

Summary of Data Gaps
NAS Alameda Parcel 95

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 95.
Installation Restoration (IR) Sites	• IR Site 20 (Oakland Estuary) is located within 500 feet north of Parcel 95. This IR site is not expected to impact Parcel 95.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, natural gas, electrical, and water lines identified.

[1] Note: These data gaps are disclosures issues, only.

TABLE 6-95-2

Summary of Data Gaps
NAS Alameda Parcel 95

Data Gap	Status/Description
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, and radiological concerns must be resolved before this parcel may be reclassified from BRAC Category 7 to another BRAC category.

SECTION 6-96

PARCEL 96 EVALUATION PLAN

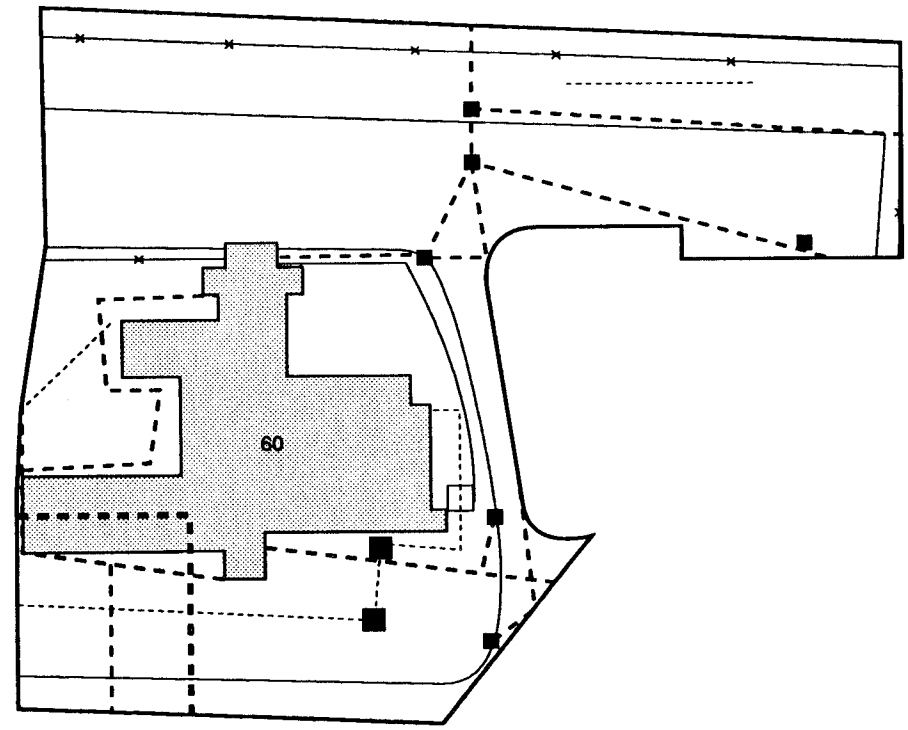
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 96 at NAS Alameda (Figure 6-96-1). The parcel, which is located in the north central portion of the base, is 4.5 acres in size and is roughly L-shaped. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 96, historical activities are discussed below.

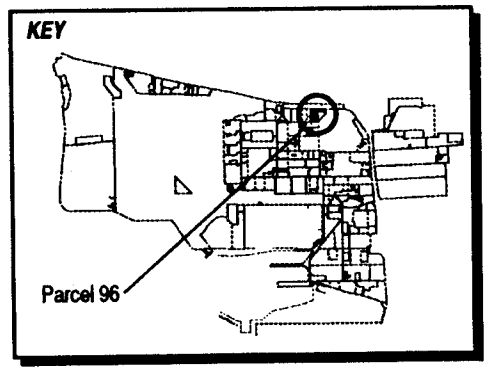
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 96 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 38, 39, 60, 61, 62, 63, 91, 92, 93, 94, 95, 97, 101, and 194. This parcel zone has been designated the North Central Recreational Zone (Zone 8). The North Central Recreational Zone encompasses the parcels that have historically been used for recreational activities. The parcels in this zone were considered as a whole during the evaluation. While no sampling has been proposed at this parcel, sampling results from adjacent parcels within the zone should be considered during future





LEGEND

- Steam Line
- Storm Sewer Line
- Sewer Line
- Sanitary Sewer Manhole
- Catch Basin

Note: *No screening-level sampling recommended for this parcel.*

1"= 125'

Magnetic
True North

Figure 6-96-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94C

evaluations. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 8.

Filling began in the area covered by this parcel in approximately 1900. Prior to this time, the parcel area was wetlands. The parcel was completely filled as of 1929; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 60) covers approximately 15 percent of the parcel. The remaining 85 percent is open space. The parcel area is presently in use as the officer's club and the supporting facilities. Available documents do not indicate that any other buildings or structures ever existed on the parcel. Underground steam and sewer lines are present on this parcel and are shown on Figure 6-96-1.

Parcel 96 is located within 500 feet of an Installation Restoration (IR) Program site (IR Site 20 - Oakland Estuary). No previous investigations have been conducted at Parcel 96, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 60

Building 60 was constructed in 1941 and served as a mess hall and officer's club (Figure 6-96-1) ever since then. This one-story building is constructed of a wood frame with stucco walls, a concrete floor, and a built-up roof. Building 60 covers 30,000 square feet and is in good condition.

Utilities located within and immediately surrounding Building 60 include sanitary sewer, storm sewer, steam, water, and electrical lines, and overhead electrical lines. Transformers and switchgear were noted around Building 60 during visual inspections.

Information collected during the EBS indicates that activities conducted within this building included kitchen operations and recreation. Cleaning supplies are located in the storage closet behind the kitchen; the closet contains household cleaning products. Two storage bins behind the kitchen on a grassy area contain approximately 50 gallons of lighting fluid and candles. The Terrace room is another

area of chemical storage. Fertilizer is kept in this room and a stand alone storage closet for cleaning supplies is also located there.

One spill is documented in the locked high voltage room of Building 60's kitchen. Site reviewers indicated that the stain is from oil used for electrical equipment and transformers. The release area covers a four foot by two foot area.

Asbestos was removed from all of Building 60 approximately five to six years ago. No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 60.

Open Space

The open space covers approximately 85 percent of the parcel. The open space is 80 percent paved and 20 percent unpaved. Approximately 75 percent of the paved area is surfaced with asphalt and five percent is covered with concrete. The pavement is generally in fair condition. The unpaved areas of the open space are covered with grass. Structures located within the open space include two storage lockers (one for flammable materials and the other for non-flammable materials).

Utilities located within and immediately surrounding the open space include sanitary sewer, storm sewer, steam, water, and electrical lines, and overhead electrical lines. Transformers and switchgear were noted around Building 60 during visual inspections.

EBS information indicates that activities conducted within this open space include material storage, washdown operations, vehicle parking, disposal, and recreational activities.

The only indication of chemical storage in this area are the two storage lockers. The nonflammable materials locker is currently empty; the other locker is located near the southeast corner of Building 60 and its contents are unknown. Stains typically associated with vehicle parking were noted in the parking area.

No incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated

that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 96 is bounded by Parcels 62, 88, 89, 94, 97, and 98. No parcels contiguous with Parcel 96 are IR sites; therefore, no sampling is called for in this PEP in response to adjacent IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 96, then additional sampling on Parcel 96 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 96, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-96-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 96 because no industrial buildings are present.

As noted earlier, Parcel 96 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling is required for Parcel 96.

TABLE 6-96-1

Summary of Data Gaps
NAS Alameda Parcel 96

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 96.
Installation Restoration (IR) Sites	• IR Site 20 (Oakland Estuary) is located within 500 feet north of Parcel 96. This IR site is not expected to impact Parcel 96.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-96-1

Summary of Data Gaps
NAS Alameda Parcel 96

Data Gap	Status/Description
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Once the data gaps in Table 6-96-1 are addressed Parcel 96 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, and radiological concerns must be resolved before this parcel may be reclassified fro;m BRAC Category 7 to another BRAC category.

SECTION 6-97

PARCEL 97 EVALUATION PLAN

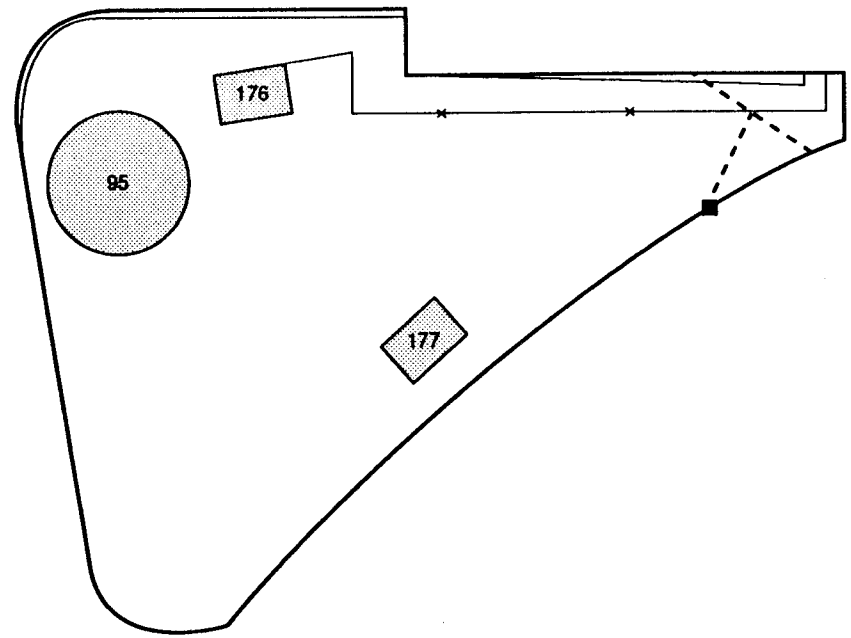
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 97 at NAS Alameda (Figure 6-97-1). The parcel, which is located in the northern portion of the base, is 0.9 acres in size and is roughly triangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 97, historical activities are discussed below.

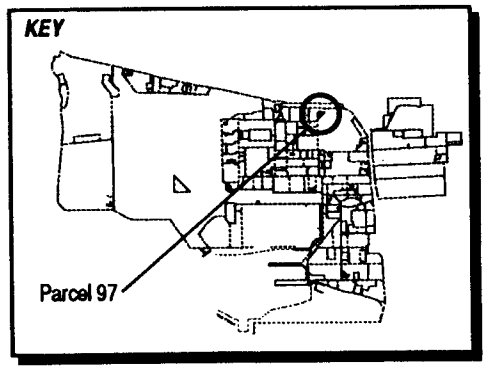
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 97 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 38, 39, 60, 61, 62, 63, 91, 92, 93, 94, 95, 96, 101, and 194. This parcel zone has been designated the North Central Recreational Zone (Zone 8). The North Central Recreational Zone encompasses the parcels that have historically been used for recreational activities. The parcels in this zone were considered as a whole during the evaluation. While no sampling has been proposed at this parcel, sampling results from adjacent parcels within the zone should be considered during future





LEGEND

Storm Sewer Line

Catch Basin

Note: *No screening-level sampling recommended for this parcel.*

1"= 60'

Magnetic
True North

Figure 6-97-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.12/DS/07.06.94

evaluations. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 8.

Filling began in the area covered by this parcel in approximately 1900. Prior to this time, the parcel area was wetlands. The parcel was completely filled as of 1929; the ground level and grading have not changed significantly since that time.

Currently, three buildings (Buildings 95, 176, and 177) cover approximately 15 percent of the parcel. The remaining 85 percent is open space. Site reviewers indicated that there is no apparent use for this open space. Sewer lines are present on this parcel and are shown on Figure 6-97-1.

Parcel 97 is located within 500 feet of an Installation Restoration (IR) Program site (IR Site 20 - Oakland Estuary). Although no specific data regarding chemical occurrence at this parcel are available, groundwater wells have been installed in Building 176. Data from the wells were being compiled at the time of this writing.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 95

This building is a water storage tank for non-potable water. The capacity of the tank is 125,000 gallons. No further information about this tank is available.

Building 176

Building 176 houses a groundwater well installed by the Army. A floor drain, in fair condition, is visible in the building.

Building 177

Building 177 was locked at the time of visual inspections; however, inspectors did note a sign on the building's door that read: "Caution: contains ____ a toxic environmental contaminant 40CFR761, PWC (415) 869-2450." The chemical name of the substance had been

scratched off. However, 40 CFR Part 761 contains the TSCA PCB regulations. This is consistent with the use of the building. According to EBS historical files, Building 177 is a transformer house.

Open Space

The open space covers approximately 85 percent of the parcel. Less than five percent of the open space is paved, and the remaining area is unpaved. All of the paved area is surfaced with concrete. The rest of the open space is covered with grass.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 97 is bounded by Parcels 96 and 98. No parcels contiguous with Parcel 97 are IR sites; therefore, no sampling is called for in this PEP in response to nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 97, then additional sampling on Parcel 97 may be necessary.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 97, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-97-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway

TABLE 6-97-1

Summary of Data Gaps
NAS Alameda Parcel 97

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 97.
Installation Restoration (IR) Sites	• IR Site 20 (Oakland Estuary) is located within 500 feet north of Parcel 97. This IR site is not expected to impact Parcel 97.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer and electrical lines identified.
- Steam Lines	• No steam lines identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-97-1

Summary of Data Gaps
NAS Alameda Parcel 97

Data Gap	Status/Description
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 97 because no industrial buildings are present.

As noted earlier, Parcel 97 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling is required for Parcel 97.

Once the data gaps in Table 6-97-1 are addressed, Parcel 97 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, underground lines, and radiological concerns must be resolved before this parcel can be leased or transferred.

SECTION 6-101

PARCEL 101 EVALUATION PLAN

Parcel 101 is a CERFA-eligible parcel. No further evaluation is required.

SECTION 6-194

PARCEL 194 EVALUATION PLAN

Parcel 194 is a CERFA-eligible parcel. No further evaluation is required.

SECTION 6-Z9

ZONE 9 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 9 at NAS Alameda (Figure 6-Z9-1). Zone 9 has been designated the Enlisted Barracks Zone and encompasses the parcels that contain or support the enlisted barracks. Zone 9 is comprised of Parcels 40, 41, 42, 43, 44, 45, 64, 65, and 187. During the sampling program development, the parcels located in this zone were evaluated together. No zone-wide target investigation areas (target areas) and five parcel-specific target areas have been identified in this zone. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface soil sampling. Figure 6-Z9-1 illustrates all sample locations for the entire zone, including parcel-specific sampling. This zone evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 9, historical activities are discussed below.

Zone 9 Background and Historical Activities

This subsection briefly summarizes EBS information available for buildings, open spaces, and boundaries of Zone 9 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the Parcel Evaluation Plans (PEPs) for the parcels contained in this zone.

Past and present use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs (the non-intrusive investigation[1]). This information was used to determine areas on the zone where sampling was deemed necessary to delineate potential impacts of compounds of concern.

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1 The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.

Zone 9, the Enlisted Barracks Zone encompasses nine parcels that contain or support enlisted barracks facilities. During the sampling program development, the parcels located in this zone were evaluated together to better address zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of specific parcel concerns is provided in the PEPs for individual parcels.

Filling began in the area covered by this zone in approximately 1930. Prior to this time, the zone area was completely inundated by San Francisco Bay. The zone was completely filled as of 1941; the ground level and grading have not changed significantly since that time.

Currently, eight buildings cover approximately 35 percent of the zone. The remaining 65 percent is open space. Five open space structures (baseball field, football field, flag pole, salute gun pads, and granite memorials) are located in the open space. The zone area is presently in use as barracks, barracks support facilities, and recreational space. Two buildings were formerly located on the parcel and have since been demolished.

Zone 9 is within 500 feet of two Installation Restoration (IR) Program sites, IR Site 5 (Building 5) and IR Site 8 (Building 114, PWC Shop). No previous investigations have been conducted at Zone 9, and specific data regarding chemical occurrence at this zone are not available.

Sewer lines present on this zone are illustrated in the individual PEP figures. Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns and asbestos-containing materials on Zone 9 will be addressed in other sampling programs and are not considered in this ZAP.

Underground Storage Tanks

One underground storage tank (UST) is documented as potentially existing on Parcel 43. No other information is available regarding this tank.

One underground storage tank was formerly present at Parcel 45 (Tank 2-1). Tank 2-1 was located at the northeastern exterior of Wing 1 of Building 2. The installation date of the tank is unknown. This tank was used to store diesel and had a capacity of 500 gallons. The former presence of this tank was identified from the EBS. No information is available regarding the integrity of the tank that was removed.

One active underground storage tank (Tank T-1-1) is present at Parcel 65. The presence of this tank was identified from the EBS. This tank was installed at an unknown date and is located in the northern part of the southwest parking area (see Figure 6-65-1) of Building 1. Based on the available information, Tank T-1-1 contains automotive gasoline and has a capacity of 500 gallons. This tank was tested for tightness and passed the test in November 1991 and 1993.

One other underground storage tank may be present at Parcel 65. Available UST maps locate another tank (PT-522) on the southwest corner of Parcel 65; however, the location appears to be in the middle of Avenue C. No other information was obtained during the EBS or the site inspection regarding this tank.

RCRA Sites

This zone includes two RCRA sites (on Parcels 41 and 45). These sites were evaluated consistent with the criteria applied to other potential target areas at the zone. Under these criteria, neither RCRA site requires further investigation. A brief description of each RCRA site is provided in the corresponding PEP. The sampling proposed for the sites that require sampling is also described in the corresponding PEP.

Zone Boundary Conditions

Zone 9 is bounded by Zones 6, 8, 10, 12, and 13. Activities of concern on these adjacent zones include aircraft rework and heavy industry on Zone 10, aircraft maintenance and historical fueling activities on Zone 6, and light industry (including metal plating and aircraft rework) and warehousing in Zone 13.

Zone Target Areas and Compounds of Concern

This zone contains five parcel-specific target areas. No zone-wide target areas are located in this zone. This subsection of the ZAP provides an overview of the parcel-specific target areas. Detailed information regarding the parcel-specific target areas and the proposed sampling is provided in the PEPs for individual parcels. The nature and locations of the parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

Zone 9 Target Areas

- No zone-wide target areas were identified.

Parcel 40, 41, 42, 44, 64 Target Areas

- No parcel-specific target areas were identified at these parcels.

Parcel 43 Target Areas

- Parcel 43 Target Area 1 (Open Space I): Staining in Open Space I may indicate impacted surface soils in the vicinity of the staining. The potentially impacted area covers less than a total of 1,000 square feet. The compounds of potential concern are TPH. Two surface soil samples will be taken in the most heavily stained areas of Open Space I.

Parcel 45 Target Areas

- Parcel 45 Target Area 1 (Building 2): The soil beneath the perchloroethane recovery unit in Wing 2 of Building 2 may have been impacted by spills or leakage of VOCs contained in degreasers and chlorinated solvents stored in this area. This target area covers approximately 400 square feet and has been classified as having a potential likelihood of impacts. The compounds of potential concern are VOCs. Two subsurface soil samples will be collected from this target area.

- Target Area 2 (Open Space): The open space between Wings 1 and 2 may have been impacted by improper disposal of degreasers and chlorinated solvents used in dry cleaning operations. The area under the air compressor in this vicinity is also a concern. Compounds of concern in this area include VOCs and TPH This target area covers approximately 1,200 square feet and has been classified as having a potential likelihood of impacts. Two surface soil and four subsurface soil samples will be collected from this target area.

Parcel 65 Target Areas

- Target Area 1, Generator Shed: Observed staining and storage of TPH in this area indicate past releases of TPH to the floor of this shed. Soil beneath the shed may also have been impacted. This target area covers less than 1,000 square feet and has been rated as

having a potential likelihood of impacts. Two surface soil samples will be collected from this target area.

Parcel 187 Target Areas

- Parcel 187 Target Area 1 (Open Space): The immediate vicinity of the water box located west of Building 63 may have been impacted by unauthorized dumping into this hole in the ground. Compounds of concern immediately surrounding the water box include VOCs, metals, SVOCs, and TPH. This target area is classified as having a potential likelihood of impacts. Two subsurface soil samples will be collected from the locations shown on Figure 6-187-1, and are listed in Table 6-187-1.

Screening-Level Investigation

Two screening-level techniques will be employed to assess conditions in the zone and parcel-specific target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14).

Table 6-Z9-1 summarizes screening-level sampling and analysis for the zone and parcel-specific target areas. Six surface soil samples and eight subsurface soil samples will be collected from the locations shown on Figure 6-Z9-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the zone areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the

screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-40

PARCEL 40 EVALUATION PLAN

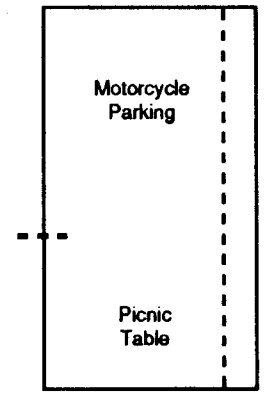
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 40 at NAS Alameda (Figure 6-40-1). The parcel, which is located in the north central portion of the base, is 1,800 square feet in size and is rectangular. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. The parcel does not contain any RCRA sites. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 40, historical activities are discussed below.

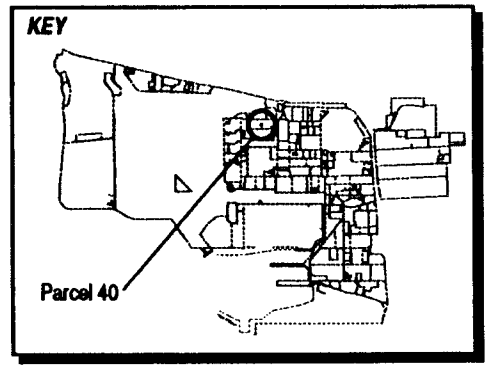
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 40, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of historical records, and historical aerial photographs. This information was used to determine whether sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 41, 42, 43, 44, 45, 64, 65, and 187. This parcel zone has been designated the Enlisted Barracks Zone (Zone 9). The Enlisted Barracks Zone encompasses the parcels that have been used for housing and other residential facilities at NAS Alameda. During the sampling program development, the parcels located in the zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 9.





LEGEND

Storm Sewer Line

Steam Line

Note: *No Screening-Level Sampling Recommended For This Parcel.*

1"= 30'

Figure 6-40-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94A

Filling began in the area covered by this parcel in approximately 1935. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 186) covers 100 percent of the parcel. The parcel area is presently in use as a motorcycle parking and maintenance area, and a picnic area. No other buildings or structures have ever been located on the parcel. Sewer lines are present on this parcel and are shown on Figure 6-40-1.

Parcel 40 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 40, and specific data regarding potential chemical occurrence on the parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 186

Building 186 was constructed in approximately 1945. It was associated with the adjacent barracks (Building 4) but its historical function is unknown. The former walls of the building have been removed leaving the concrete floor, wooden frame, and built-up roof. The existing shelter covers the entire parcel (1,800 square feet). The northern half of the shelter is used for motorcycle parking. Picnic tables are present in the southern half of the shelter. The two halves are separated by a low wooden fence. Building 186 was built shortly after filling of the area was completed, so other, prior use of the parcel is unlikely.

Oil and gasoline stains from motorcycles were observed during the parcel site inspection. This staining occurs on a concrete surface, and is relatively minor staining associated with vehicle parking. A battery and equipment reportedly used for cleaning and repairing motorcycles were stored in the northern end of the picnic table area. The equipment consisted of a drum mounted on a frame that allowed it to be tilted. The drum was partially filled with a solution for cleaning motorcycles. Standing water with an oily sheen was observed in the motorcycle repair area.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 40 is contained within Parcel 41. Parcel 41 is currently used for enlisted barracks. No environmental concerns associated with Parcel 41 that could potentially impact Parcel 40 have been identified.

RCRA Sites

No RCRA sites are located on this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 40, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-40-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: asbestos and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 40 because no buildings are present.

Once the data gaps in Table 6-40-1 are addressed, Parcel 40 may be leased or transferred, as appropriate.

TABLE 6-40-1

Summary of Data Gaps
NAS Alameda Parcel 40

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 40.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 40.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• No PCB issues identified.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No fuel lines identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-40-1

Summary of Data Gaps
NAS Alameda Parcel 40

Data Gap	Status/Description
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, underground lines, and radiological concerns, must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-41

PARCEL 41 EVALUATION PLAN

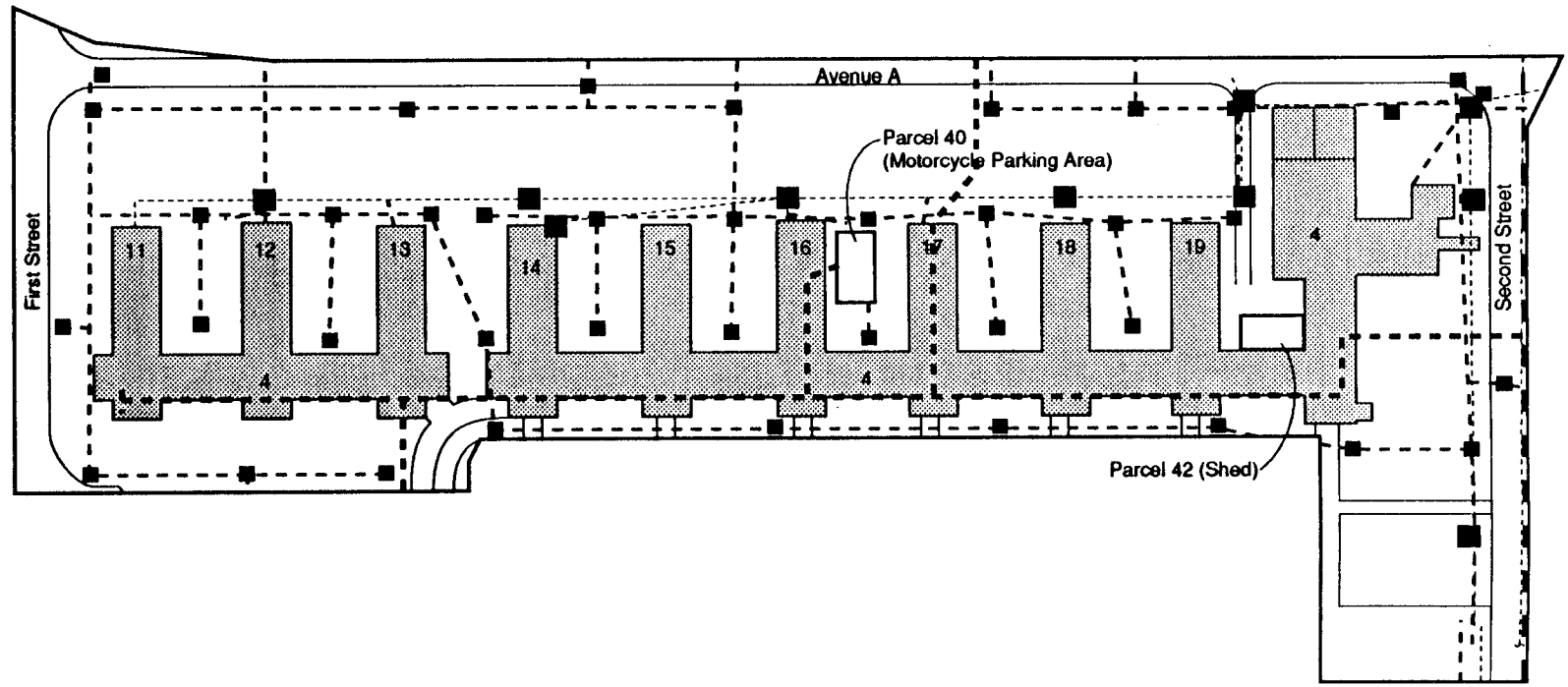
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 41 at NAS Alameda (Figure 6-41-1). The parcel, which is located in the north central portion of the base, is 15.6 acres in size and is roughly rectangular. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA site (SWMU/GAP 6). No zone-wide or parcel-specific target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 41, historical activities are discussed below.

Background and Historical Activities

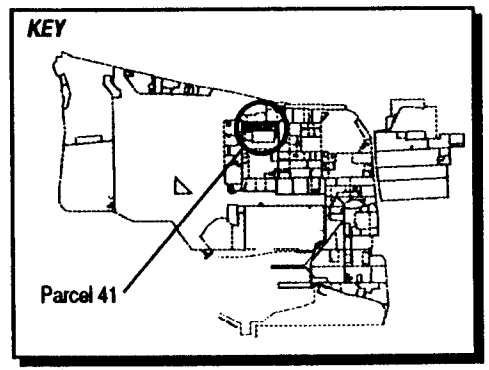
This subsection summarizes EBS information available for the building, open space, and boundaries of Parcel 41, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigative phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 40, 42, 43, 44, 45, 64, 65, and 187. This parcel zone has been designated the Enlisted Barracks Zone (Zone 9). The Enlisted Barracks Zone encompasses the parcels that have been used for housing and other residential facilities at NAS Alameda. During the sampling program development, the parcels located in the zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 9.



Magnetic
True North



LEGEND

- Industrial Waste Sewer Line
- Storm Sewer Line
- Sewer Line
- Steam Line
- Sanitary Sewer Manhole
- Catch Basin

Note: 1.) *Target area does not include buildings or roads.*

1"= 190'

Figure 6-41-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94B

Filling began in the area covered by this parcel in approximately 1935. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 4) covers approximately 20 percent of Parcel 41. The remaining 80 percent is open space that is partially landscaped and partially paved. The parcel area is presently in use as enlisted personnel barracks and associated recreational open space. Building 185 was formerly located in the current parking area north of Wing 19. This building was constructed in the 1940s and was demolished in the early 1970s. The use of this former building is unknown. Sewer lines are present on this parcel and are shown on Figure 6-41-1.

Parcel 41 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 41 and specific data regarding potential chemical occurrence on the parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on the parcel will be addressed in other sampling programs and are not considered in this PEP. Lead-based paint and friable asbestos are concerns on Parcel 41. Past paint testing of samples from Building 4 has detected lead in paint at concentrations as high as 454 parts per million.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 4

Building 4 was constructed in approximately 1940 to serve as enlisted bachelor barracks. The building is divided into west and east wings. The west wing has three extensions to the north (11, 12, and 13) and the east wing has seven extensions to the north (14 through 20). The building includes a former gym in Wing 20 (the current enlisted club, the "Homeport Club") and areas used as barracks, offices, classrooms, and lounges. The building is generally in good condition. It is constructed of concrete with terrazzo floors and dropped ceilings. The floor plan covers a total of approximately 229,000 square feet on two floors. Building 4 was built shortly after filling of the area was completed.

Small quantities (total amount less than 1,000 gallons) of cleaning and maintenance chemicals are stored in lockers and janitorial closets throughout the building. Stored compounds observed during building inspection included paint, wax, furniture polish, glass cleaner, metal polish, floor cleaner, floor finish, floor sealer, bleach, pine oil, and carpet cleaner. An eye wash station is present in the lobby of Wing 19 of the building. The history and use of this station are not known.

Utilities located within and immediately surrounding Building 4 include underground sanitary sewer, storm sewer, industrial sewer, steam, water, and electrical lines. Concentrations of PCBs greater than 50 parts per million have been detected in several of the transformers located on the parcel.

No spills or staining are documented in Building 4. No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 4.

Open Space I

Open Space I is defined as the paved areas surrounding Building 4. This space covers approximately 50 percent of the parcel open space. The ground surface of Open Space I is surfaced with asphalt. The pavement is generally in good condition. Oil stains from vehicles were observed in parking areas. This staining is minor. Building 185 was formerly located in the current parking area north of Wing 19. The building was constructed in the 1940s and was demolished in the early 1970s.

No other spills or staining are documented in Open Space I. No incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within Open Space I.

Open Space II

Open Space II consists of the landscaped areas on the parcel. These areas are planted with grass, shrubs, and trees and cover approximately 50 percent of the parcel open space. Two hazardous materials storage containers (one small locker and one CONEX box) are located on the grass area outside of Wing 13. Paint, gasoline, and other hazardous materials are stored in these lockers. Small scattered paint stains are present on the paved area in front of the lockers. This staining is minor and does not warrant sampling. The majority of the landscaped area of Open Space II has been continuously maintained since approximately 1940.

No other spills or staining are documented in Open Space II. No incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within Open Space II.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 40, a motorcycle parking area, and Parcel 42, a detached storage shed, are contained within Parcel 41. Parcel 41 is bounded by First Street, Avenue A, and Second Street to the west, north, and east, respectively. Immediately across these streets or abutting the south side of Parcel 41 are Parcels 43, 191, 192, 37, 38, 60, 61, 63, 64, 45, 44, and 43. Facilities on these parcels include athletic fields, a pool, additional barracks, a mess hall, two hangars, an aviation fuel loading area, and a pavement maintenance equipment shed. Environmental concerns associated with parcels to the west and northwest include the maintenance hangars on Parcels 191 and 192, fuel loading on Parcel 37, and pavement maintenance on Parcel 38.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes one RCRA site (SWMU/GAP 6). This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, the RCRA site at this parcel does not require sampling because the location of the site could not be determined based on available records and EBS information. SWMU/GAP 6 is comprised of one-gallon containers of waste solvents, and is located in Building 4.

Anecdotal information indicates that SWMU/GII-4 may also be present on Parcel 41. No other indication that SWMU/GII-4 exists on this parcel was found in either the EBS or during the site inspections. It is not clear whether these designations (GII-4 and GAP 6) refer to the same site or different sites.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 41, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-41-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. No Industrial Hygiene (IH) sampling is required for Parcel 41 because no industrial buildings are present.

As noted earlier, Parcel 41 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed.

Once the data gaps in Table 6-41-1 are addressed, Parcel 41 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, and radiological issues must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

TABLE 6-41-1

Summary of Data Gaps
NAS Alameda Parcel 41

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 41.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 41.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program. Lead has been detected in paint from Building 4 at concentrations up to 454 ppm.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-41-1

Summary of Data Gaps
NAS Alameda Parcel 41

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, industrial sewer, steam, water, and abandoned electrical lines identified on or near Parcel 41.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

SECTION 6-42

PARCEL 42 EVALUATION PLAN

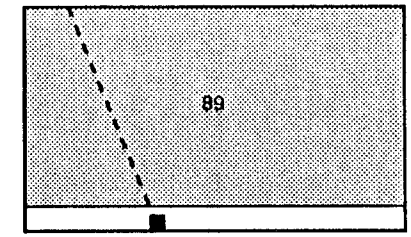
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 42 at NAS Alameda (Figure 6-42-1). The parcel, which is located in the north central portion of the base, is 1,500 square feet in size and is rectangular. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 42, historical activities are discussed below.

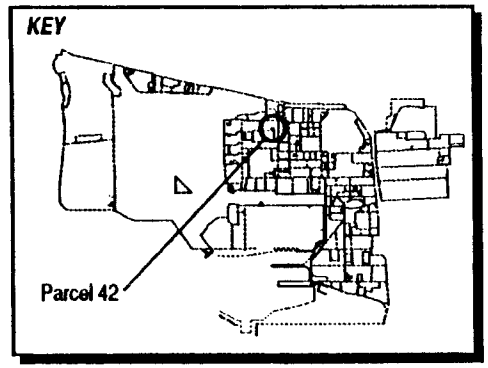
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 42, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 40, 41, 43, 44, 45, 64, 65, and 187. This parcel zone has been designated the Enlisted Barracks Zone (Zone 9). The Enlisted Barracks Zone encompasses the parcels that have been used for housing and other residential facilities at NAS Alameda. During the sampling program development, the parcels located in the zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 9.





LEGEND

- Storm Sewer Line
- Catch Basin

Note: *No Screening-Level Sampling Recommended For This Parcel.*

1" = 30'

Magnetic
True North

Figure 6-42-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94B

Filling began in the area covered by this parcel in approximately 1935. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1938; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 89) covers approximately 90 percent of the parcel. The remaining 10 percent is open space. The parcel area is presently in use as an open detached garage, storage area, and associated alleyway. No other buildings or structures are documented to have been formerly located on the parcel. Sewer lines are present on this parcel and are shown on Figure 6-42-1.

Parcel 42 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 42, and specific data regarding potential chemical occurrence on the parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 89

Building 89 was constructed in approximately 1938. It was associated with the adjacent barracks (Building 4) but its specific historical function is unknown. It currently serves as an open detached garage and storage area. The building is constructed with an asphalt floor and a steel frame with a metal roof and corrugated metal siding. Siding on the former north wall has been removed to permit vehicle parking within the building. The asphalt floor is in poor condition. The existing garage covers 90 percent of the parcel. The garage contains five parking stalls, two of which are currently used for parking. Oil stains from vehicles were observed in the parking stalls. This staining is minor. The westernmost stall is gated and locked. It is marked "Marine Storage Area" and contains chairs, tables, ladders, and a container with approximately one gallon of liquid (suspected to be gasoline).

Open Space

An unused asphalt-paved alley exists on the parcel between the south side of Building 89 and the north side of Building 4 (Parcel 41), and takes up approximately 10 percent of the parcel. No spills or staining were noted in this area.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 42 is contained within Parcel 41. Parcel 41 is currently used as enlisted personnel barracks. No environmental concerns associated with Parcel 41 that could potentially impact Parcel 42 have been identified.

RCRA Sites

No RCRA sites are located on this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 42, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-42-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3.

TABLE 6-42-1

Summary of Data Gaps
NAS Alameda Parcel 42

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 42.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 42.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• No PCB issues identified.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No fuel lines identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-42-1

Summary of Data Gaps
NAS Alameda Parcel 42

Data Gap	Status/Description
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

No Industrial Hygiene (IH) sampling is required for Parcel 42 because no industrial buildings are present.

Once the data gaps in Table 6-42-1 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 42 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to lead-based paint, underground lines, and radiological concerns must be resolved before this parcel can be leased or transferred.

SECTION 6-43

PARCEL 43 EVALUATION PLAN

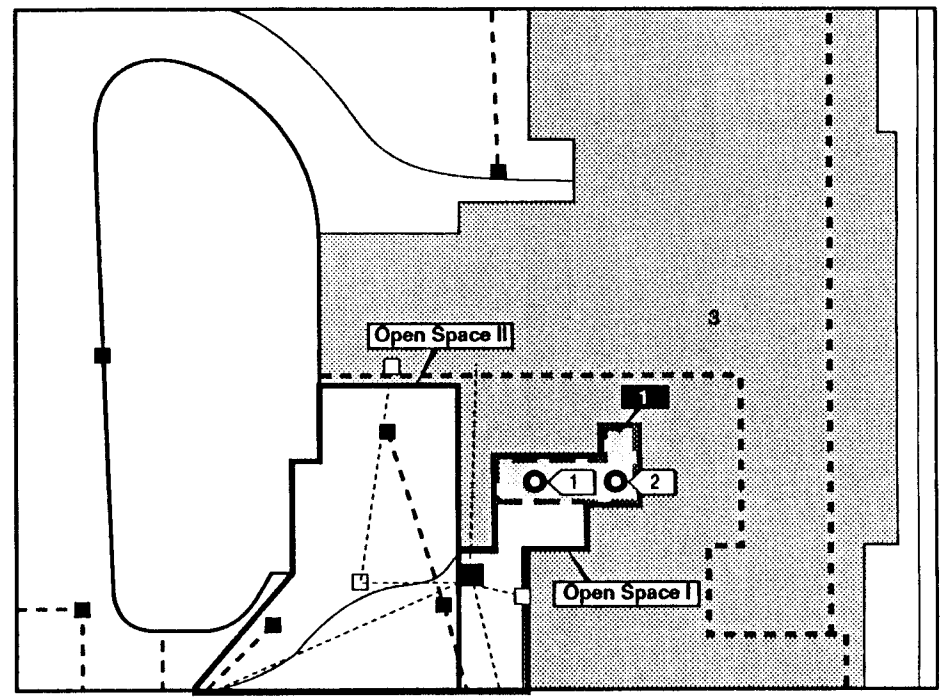
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 43 at NAS Alameda (Figure 6-43-1). The parcel, which is located in the north central portion of the base, is 2.4 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. Surface soil sampling is the sampling procedure called for in the screening-level investigation in this area. Table 6-43-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 43, historical activities are discussed below.

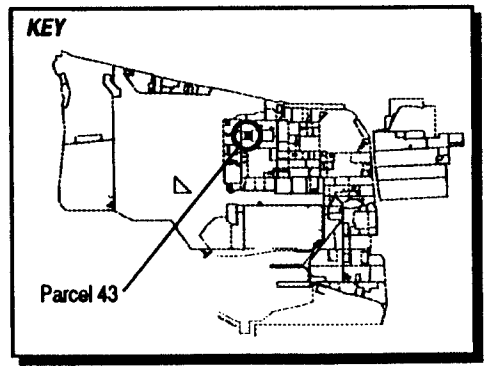
Background and Historical Activities

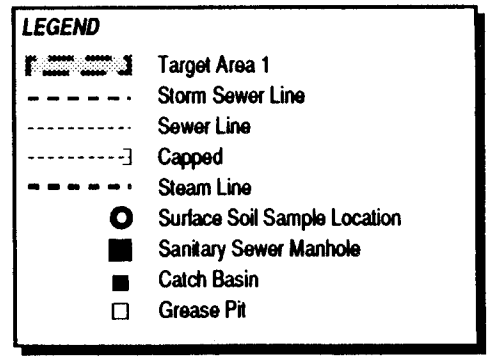
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 43, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 40, 41, 42, 44, 45, 64, 65, and 187. This parcel zone has been designated the Enlisted Barracks Zone (Zone 9). The Enlisted Barracks Zone encompasses the parcels that have been used for housing and other residential facilities at NAS Alameda. During the sampling program development, the parcels located in the zone were evaluated together. Therefore, future







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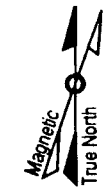


Figure 6-43-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94B

TABLE 6-43-1

Summary of Recommended Samples
NAS Alameda Parcel 43

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
43-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
43-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
43-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015

*This is the suggested location for the confirmation sample. The actual location will depend on field analytical results.

data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 9.

Filling began in the area covered by this parcel in approximately 1940. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1941; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 3) covers approximately 55 percent of the parcel. The remaining 45 percent is open space. The parcel area is presently in use as Enlisted Personnel Barracks and supporting grounds and services. The barracks were constructed shortly after the parcel was filled. No other buildings are documented to have been located at this parcel. Sewer lines are present on this parcel and are shown on Figure 6-43-1.

Parcel 43 is located approximately 300 feet north of an Installation Restoration (IR) Program site (IR Site 5 - Building 5). No previous investigations have been conducted at Parcel 43, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 3

Building 3 was constructed in 1940 and has always served as Enlisted Personnel Barracks (Figure 6-45-1). This building covers approximately 55,000 square feet and is in fair condition. Building 3 is a multi-story building constructed of concrete, with a concrete and tile floor, and a built-up roof.

Utilities located within and immediately surrounding Building 3 include underground natural gas, sanitary sewer, storm sewer, steam, water, and electrical lines. Eleven transformers are documented to be present in Building 3, and staining was noted in the transformer room. This building also contains a mess hall and a laundry.

Latex paint, floor polish, bleach, chlorinated detergents and urinal cakes were documented to be stored in Building 3 during visual

inspections. Less than 100 total gallons of these chemicals are documented to be stored in the corrosive materials lockers in the upper level storeroom and the lower level laundry room. Approximately 300 gallons of non-halogenated organics, corrosives, and petroleum products are also documented to be stored in Building 3. This inventory was obtained by reviewing the authorized use list for Building 3. The authorized use list gives maximum quantities that can be stored in or used at a building over the course of a year. These chemicals were not noted during the site inspection, and no staining was noted in the chemical storage areas.

Pesticides (DURSBAN 2E [2 gallons], FICAM W [3 boxes], DRIONE [one pound], TALON G [30 pounds], and PT-515 [24 cans]) were stored and used in Building 3 from October 1992 to October 1993. Weekly applications in the building were intended to combat insect problems.

One floor drain was noted in the area of the hazardous materials room. A watery substance was visible within the drain. The outfall of this drain is unknown. A storeroom on the west side of the galley was apparently used as a chemical supply room. Visual inspections indicate that concrete pads and berms in the room had areas of deteriorated concrete, which may indicate spillage of materials onto the concrete. No staining was noted in this area.

Peeling paint was noted in the storerooms adjacent to the galley. Potential ACM pipe lagging was also recorded in the Boiler Room. No incidents are documented to have occurred within Building 3.

Open Space I

Open Space I is defined as the rear kitchen area. This space takes up approximately five percent of the parcel (Figure 6-43-1). Open Space I houses a grease pit. The ground surface of Open Space I is 90 percent paved and 10 percent unpaved. The paved area is completely surfaced with concrete and is in fair condition. Grass covers the ground surface of the unpaved area.

Utilities located within and immediately surrounding Open Space I (as well as Open Spaces II and III) include underground natural gas, sanitary sewer, storm sewer, steam, water, and electrical lines.

Structures located within the open space include two empty grease pits. One is a 20 feet by 5 feet by 5 feet (deep) structure and is equipped with eight steel lift plates for access. The other, smaller grease pit is located to the west in Open Space II. The grease pits are part of the sanitary

sewer system. There is no documentation of chemical storage in these areas.

Spills of grease and oils (possibly from cooking) were documented to cover a concrete area of five feet by ten feet in Open Space I. An additional oil spill left a ten foot square mark on the concrete around a sewer clean-out inlet. A 20 foot by 20 foot area of Open Space I is covered with a moderate concentration of paint stains. One isolated paint stain (5 feet by 5 feet) is also located in this part of the parcel. These areas are addressed by Target Area 1.

No other incidents are documented to have occurred within Open Spaces I, II, or III.

Open Space II

Open Space II is defined as the loading dock area. This space takes up approximately ten percent of the parcel (Figure 6-43-1). Open Space II is used as the loading dock for Building 3. The ground surface of Open Space II is completely paved. Approximately 80 percent of the paved area is surfaced with asphalt and 20 percent is surfaced with concrete. The pavement is in fair condition.

EBS information indicates that activities conducted within this open space include loading, vehicle parking, and trash disposal in dumpsters. Surface runoff from the loading docks falls to the surface drains in Open Space II. Only minor vehicle staining was noted in this area.

Open Space III

Open Space III is defined by the area surrounding the buildings on this parcel. This space takes up approximately 30 percent of the parcel.

EBS information indicates that Open Space III is used for vehicle parking and landscaped areas. The ground surface of Open Space III is a combination of concrete sidewalks, asphalt roadways, and grassy areas. There are storm drains scattered throughout the area. The only staining in this area is that typical of vehicle parking stains.

Underground Storage Tanks

One underground storage tank (UST) is documented as potentially existing on this parcel. No other information is available regarding this tank.

Parcel Boundary Conditions

Parcel 43 is bounded by Parcels 41, 44, 45, 187, and 191. Activities of concern on these adjacent parcels include aircraft washdown and fueling on Parcel 191.

If the results of any sampling proposed for Parcels 41, 44, 45, 187, or 191 indicates that activities on these parcels may have impacted Parcel 43, then additional sampling on Parcel 43 may be appropriate.

RCRA Sites

No RCRA sites are located on this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 43, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-43-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with USTs and sewer lines is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 43 because no industrial buildings are present.

As noted earlier, Parcel 43 has open space areas that are landscaped/unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for

TABLE 6-43-2

Summary of Data Gaps
NAS Alameda Parcel 43

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 43.
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) is located approximately 300 feet south of Parcel 43. Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1 (Open Space I).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• One underground storage tank (UST) is documented as potentially existing on this parcel. No other information is available regarding this tank.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-43-2

Summary of Data Gaps
NAS Alameda Parcel 43

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, natural gas, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

pesticides. Therefore, no pesticide sampling has been proposed on this parcel.

Once the data gaps in Table 6-43-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 43 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target area. This subsection of the PEP discusses the specific parcel target area. The nature and locations of the parcel-specific target area was evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Parcel 43 Target Area 1 (Open Space I): Staining in Open Space I may indicate impacted surface soils in the vicinity of the oily staining. The potentially impacted area covers less than a total of 1,000 square feet. Two surface soil samples will be taken in the most heavily stained areas of Open Space I. TPH is the chemical of concern in this target area. Samples to be collected in this target area are listed in Table 6-43-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) will be employed to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-43-1 summarizes screening-level sampling and analysis for the target area on the parcel. Two parcel-specific surface soil samples will be collected from the locations shown on Figure 6-43-1. Sampling will be conducted in accordance with the referenced SOP in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4. Surface soil sampling locations shown on Figure 6-43-1 are approximate.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-44

PARCEL 44 EVALUATION PLAN

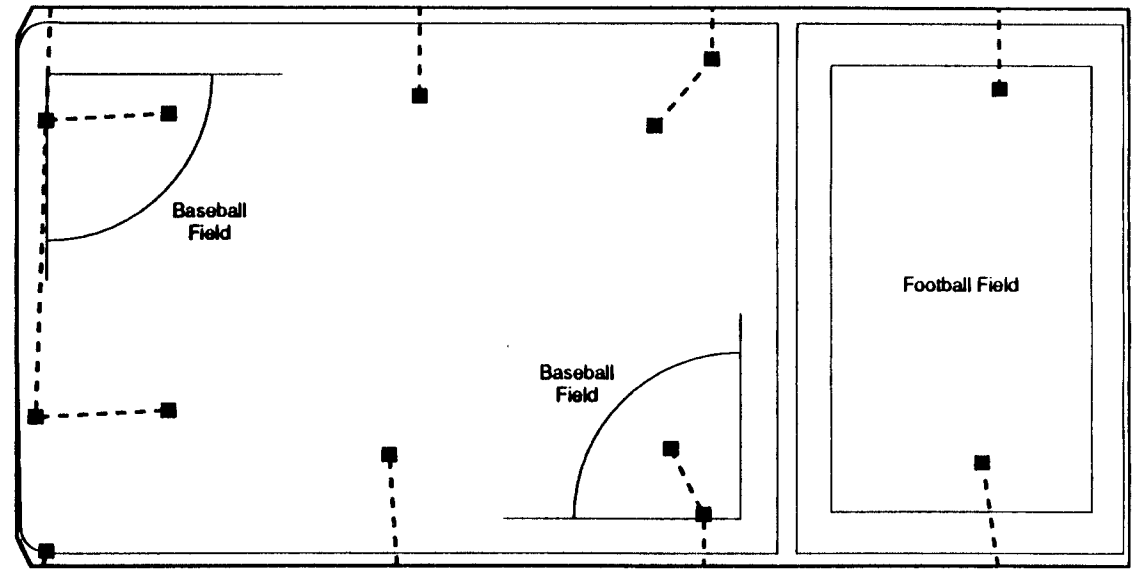
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 44 at NAS Alameda (Figure 6-44-1). The parcel, which is located in the north central portion of the base, is approximately seven acres in size and is rectangular. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. The parcel does not contain any RCRA sites. No zone-wide or parcel-specific target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 44, historical activities are discussed below.

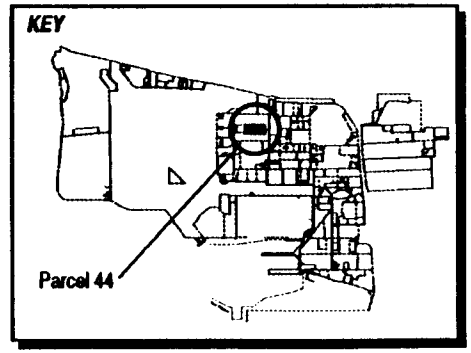
Background and Historical Activities

This subsection summarizes EBS information available for the open space and boundaries of Parcel 44, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of historical records and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 40, 41, 42, 43, 45, 64, 65, and 187. This parcel zone has been designated the Enlisted Barracks Zone (Zone 9). The Enlisted Barracks Zone encompasses the parcels that have been used for housing and other residential facilities at NAS Alameda. During the sampling program development, the parcels located in the zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 9.





LEGEND

- Storm Sewer Line
- Catch Basin

1"= 125'

Magnetic
True North

Figure 6-44-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94B

Filling began in the area covered by this parcel in approximately 1935. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1941; the ground level and grading have not changed significantly since that time.

Currently, no buildings are present on Parcel 44. It is an open landscaped area used primarily as athletic fields. Historically, small temporary structures associated with the athletic fields (believed to include bleachers, dugouts, and sheds) have existed on the parcel. Storm sewer lines on the parcel are shown in Figure 6-44-1.

Parcel 44 is located 200 feet north of an Installation Restoration (IR) Program site (IR Site 5 - Building 5). No previous investigations have been conducted at Parcel 44, and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Open Space

Open space covers all of Parcel 44. The parcel has been used for Navy recreational sports and training exercises since the early 1940s. The open space is bordered by concrete sidewalks. A north-south sidewalk separates the space into a large western section and a smaller eastern section. Grass and landscaping cover approximately 95 percent of the parcel.

Currently, two baseball fields are located in the northwest and southeast corners of the western section of the open space. The baseball fields were constructed in approximately 1990 and 1981, respectively. The western space was originally configured as a football field (Michael Field) surrounded by a track. The eastern section of the parcel is currently laid out as a football field. Historically, additional baseball fields have existed in different configurations on both sections of the parcel.

No structures or buildings are currently present on this parcel.

Utilities located within the parcel open space include storm sewer and sprinkler system lines. No permits are known to have been issued for

processes occurring within this open space. The landscaped area of this parcel has been continuously maintained since approximately 1940. No chemicals are known to have been used or stored in Parcel 44 open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 44 is bounded by enlisted barracks on Parcels 41 and 45 to the north and south, respectively. A mess hall associated with the barracks is present to the west on Parcel 43. Environmental concerns associated with Parcel 54 (IR Site 5 - Building 5) may have affected Parcel 44. This site is located 200 feet south of the parcel boundary across Parcel 45.

No parcels contiguous with Parcel 44 are IR sites, therefore, no sampling is called for in this PEP in response to the nearby IR site. If the continuing investigations at IR site 5 reveals a cause for concern at Parcel 44, then additional sampling on Parcel 44 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 44, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-44-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: radiological concerns and Installation Restoration sites. Sampling and imaging associated

TABLE 6-44-1

Summary of Data Gaps
NAS Alameda Parcel 44

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• No ACM issues identified.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No buildings exist at Parcel 44.
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) is located approximately 200 feet south of Parcel 43. Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• No LBP issues identified.
PCB-Containing Equipment[1]	• No PCB issues identified.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No fuel lines identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-44-1

Summary of Data Gaps
NAS Alameda Parcel 44

Data Gap	Status/Description
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. No Industrial Hygiene (IH) sampling is required for Parcel 44 because no buildings are present.

As noted earlier, Parcel 44 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed.

Once the data gaps in Table 6-44-1 are addressed, Parcel 44 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to underground lines, radiological issues, and impacts of the nearby IR site must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-45

PARCEL 45 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 45 at NAS Alameda (Figure 6-45-1). The parcel, which is located in the north-central portion of the base, is 11.2 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA site. Two parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. Surface soil sampling and subsurface soil sampling will be used to accomplish the screening-level investigation. Table 6-45-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 45, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 45, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 40, 41, 42, 43, 44, 64, 65, and 187. This parcel zone has been designated the Enlisted Barracks Zone (Zone 9). The Enlisted Barracks Zone encompasses the parcels that have been used for housing and other residential facilities at NAS Alameda. During the sampling program development, the parcels located in the zone were evaluated together. Therefore, future

TABLE 6-45-1

Summary of Recommended Samples
NAS Alameda Parcel 45

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
45-1-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Solvents	VOCs	EPA 8240
45-2-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Solvents	VOCs	EPA 8240
45-2-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 1	Solvents	VOCs	CLP RAS
45-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Fuels, Oils	TPH	Modified EPA 8015
45-3-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 2	Fuels, Oils	TPH	Modified EPA 8015
45-3-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	Solvents, Fuels	VOCs, TPH	EPA 8240, Mod. EPA 8015
45-3-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 2	Solvents, Fuels	VOCs, TPH	CLP RAS, Mod. EPA 8015
45-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Fuels, Oils	TPH	Modified EPA 8015
45-5-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	Solvents, Fuels	VOCs, TPH	EPA 8240, Mod. EPA 8015
45-6-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	Solvents, Fuels	VOCs, TPH	EPA 8240, Mod. EPA 8015
45-7-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	Solvents, Fuels	VOCs, TPH	EPA 8240, Mod. EPA 8015

*These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 9.

Filling began in the western portion of this parcel in approximately 1940. Prior to this time, the parcel area was completely inundated by San Francisco Bay. This area was completely filled as of 1941. The eastern section of the parcel was filled between 1930 and 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 2) covers approximately 45 percent of the parcel. The remaining 55 percent is open space. The parcel area is presently in use as enlisted barracks and supporting facilities. Two buildings (Buildings 187 and 87) were formerly located on the parcel. These buildings were used for troop housing and as a laundry, and were built in 1945 and 1942, respectively. They were demolished between 1985 and 1990. Sewer lines are present on this parcel and are shown on Figure 6-45-1.

Parcel 45 is located adjacent to Installation Restoration (IR) Program Site 5 (Building 5). No previous investigations have been conducted at Parcel 45, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concern, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 2

Building 2 was constructed prior to 1947 and has always served as enlisted personnel barracks (Figure 6-45-1). Building 2 is a multi-story building constructed of concrete floors and walls. This building covers approximately 210,000 square feet and is in moderately good condition. The building is divided into wings (1 through 10). Building 2 contains a library, an exchange dry cleaning facility, and an instruction center. Utilities located within and immediately surrounding Building 2 include underground sanitary sewer, water, storm sewer, steam, electrical, and industrial sewer lines. One pad-mounted transformer is located near the mess hall. No staining was noted in the area of the transformer.

Pesticides were stored and used in Building 2 in 1992 through 1993. Weekly applications of the pesticides occurred during this time period. Less than 100 gallons of cleaning compounds and paints were observed in Wing 8. Less than 100 gallons total of various degreasers, spot removers, and solvents were observed in the dry cleaner/laundry storage room. No spills or staining was observed in the laundry storage area. An archived perchloroethane recovery machine is also located in the dry cleaner area. Some staining was present on the concrete below the machine. The dry cleaner/laundry is located in Wing 2 of Building 2. This area is addressed by Target Area 1. Other chemicals stored in Building 2 include gun cleaners, crime scene chemicals, used machine oil, and waste dry cleaning/laundry chemicals.

Paint splatters were observed in the sink in the deep sink rooms, suggesting that paint compounds were flushed down the sink. Waste perchloroethane and used dry cleaning filters are stored in two 55-gallon drums directly on the concrete floor. No staining was noted in this area.

The underground steam lines to this building have access covers and may have ACM insulation. Potential ACM was also observed in the boiler room on the pipes and boiler. No incidents, such as fires, mishaps, flooding, or crashes are documented to have occurred within Building 2.

Open Space

The open space covers approximately 55 percent of the parcel. The open space is 50 percent paved and 50 percent unpaved. The paved area is surfaced with asphalt. The pavement is generally in good condition. The unpaved areas of the open space are covered with grass. The open space is used for vehicle parking and recreation (landscaped areas).

Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel (on Parcels 32 and 191), and industrial sewer lines. Several transformers and switch gears are located on the parcel. Some of these are oil-filled and pad-mounted. No staining is evident around the transformers. A sewage lift station is located on the east side of Wing 1 of Building 2. An aboveground storage tank is located next to the lift station. The tank is constructed of double-walled steel and is located within a bermed containment area.

One 55-gallon drum of motor oil (SAE-30) surrounded by sandbags (for containment) was observed north of Wing 1 of Building 2. Minor staining on the sandbags was evident near the pour spout. The motor oil is used in conjunction with a diesel storage tank and diesel generator. The diesel aboveground storage tank has a capacity of 75 gallons.

There is an air compressor with an apparent oil leak located outside the dry cleaner/laundry area, between Wings 1 and 2 of Building 2. The area under the compressor was observed to be heavily stained. A large, black stain was observed on the asphalt behind the laundry. A storm sewer cover is stained with blue and white paint. The asphalt surface of this area is in good condition. No incidents, such as fires, mishaps, flooding, or crashes are documented to have occurred within the open space.

Underground Storage Tanks

One underground storage tank was formerly present at this parcel (Tank 2-1). Tank 2-1 was located at the northeastern exterior of Wing 1 of Building 2. The installation date and removal date of the tank are unknown. This tank was used to store diesel and had a capacity of 500 gallons. The former presence of this tank was identified from the EBS. No information is available regarding the integrity of the tank.

Parcel Boundary Conditions

Parcel 45 is bounded by Parcels 32, 41, 43, 44, 46, 54, 59, and 191. Activities of concern on these adjacent parcels include aircraft washdown and fueling on Parcels 191 and 32, and aircraft rework on Parcel 54. If the results of any sampling proposed for any of these adjacent parcels indicates that activities on these parcels may have impacted Parcel 45, then additional sampling on Parcel 45 may be appropriate.

RCRA Sites

This subsection identifies RCRA sites and requirements associated with this site on the parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel contains one RCRA site (site number SWMU/GAP 5). Site SWMU/GAP 5 is located at Building 2. It is unknown whether any chemicals have been released from this

site. Site SWMU/GAP 5 is comprised of two 55-gallon drums. The chemicals of concern associated with this site includes used perchloroethane sludge and used dry cleaner filter elements. This site is currently active.

SWMU/GAP 5 was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria this RCRA site does not require further investigation because no staining was noted, although investigation in the vicinity of the RCRA site (near the archived perchloroethane recovery unit) will occur.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 45, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-45-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. No Industrial Hygiene (IH) sampling is required for Parcel 45 because no industrial buildings are present.

As noted earlier, Parcel 45 has open space areas that are landscaped/unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed on this parcel.

Once the data gaps in Table 6-45-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 45 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-45-2

Summary of Data Gaps
NAS Alameda Parcel 45

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 45.
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) is located adjacent to Parcel 45. Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1 (Building 2). • Target Area 2 (Open Space).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-45-2

Summary of Data Gaps
NAS Alameda Parcel 45

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• One UST (Tank 2-1) was formerly located at the northeastern exterior of Wing 1 of Building 2. No information is available regarding the integrity of the tank. This tank has been removed.
Underground Utilities	• Sanitary sewer, storm sewer, water, electrical, and industrial sewer lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Abandoned fuel lines identified on adjacent Parcels 32 and 191.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

This parcel contains two parcel-specific target areas. The nature and locations of the target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following two parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-45-2.

- Target Area 1 (Building 2): The soil beneath the perchloroethane recovery unit in Wing 2 of Building 2 may have been impacted by spills or leakage of VOCs contained in degreasers and chlorinated solvents stored in this area. This target area covers approximately 400 square feet and has been classified as having a potential likelihood of impacts. Two subsurface soil samples will be collected in this target area, and are listed in Table 6-45-1.

- Target Area 2 (Open Space): The open space between Wings 1 and 2 may have been impacted by improper disposal of degreasers and chlorinated solvents used in dry cleaning operations. The area under the air compressor in this vicinity is also a concern. This target area covers approximately 1,200 square feet and has been classified as having a potential likelihood of impacts. Two surface and four subsurface samples will be collected from this target area. Samples to be collected in this target area are listed in Table 6-45-1.

In addition, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological issues, impacts of the adjacent IR site, and USTs must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Screening-Level Investigation

Surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14) are the screening-level investigation techniques that will be used to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-45-1 summarizes screening-level sampling and analysis for the target areas on Parcel 45. Two surface soil samples and six subsurface soil samples will be collected from the locations shown on Figure 6-45-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-64

PARCEL 64 EVALUATION PLAN

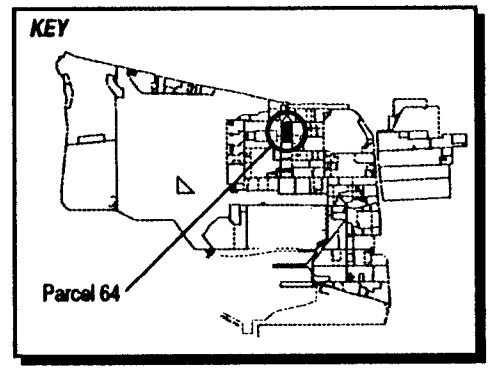
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 64 at NAS Alameda (Figure 6-64-1). The parcel, which is located in the north central portion of the base, is seven acres in size and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. The parcel does not contain any RCRA sites. No zone-wide or parcel-specific target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 64, historical activities are discussed below.

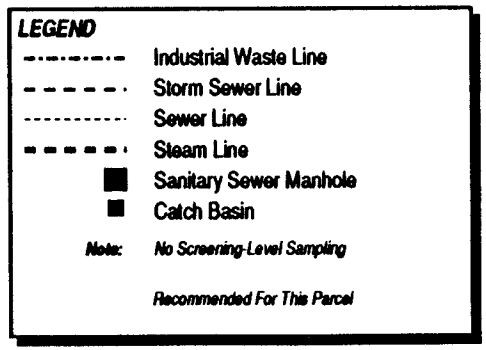
Background and Historical Activities

This subsection summarizes EBS information available for the open space and boundaries of Parcel 64, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of historical records and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 40, 41, 42, 43, 44, 45, 65, and 187. This parcel zone has been designated the Enlisted Barracks Zone (Zone 9). The Enlisted Barracks Zone encompasses the parcels that have been used for housing and other residential facilities at NAS Alameda. During the sampling program development, the parcels located in the zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 9.





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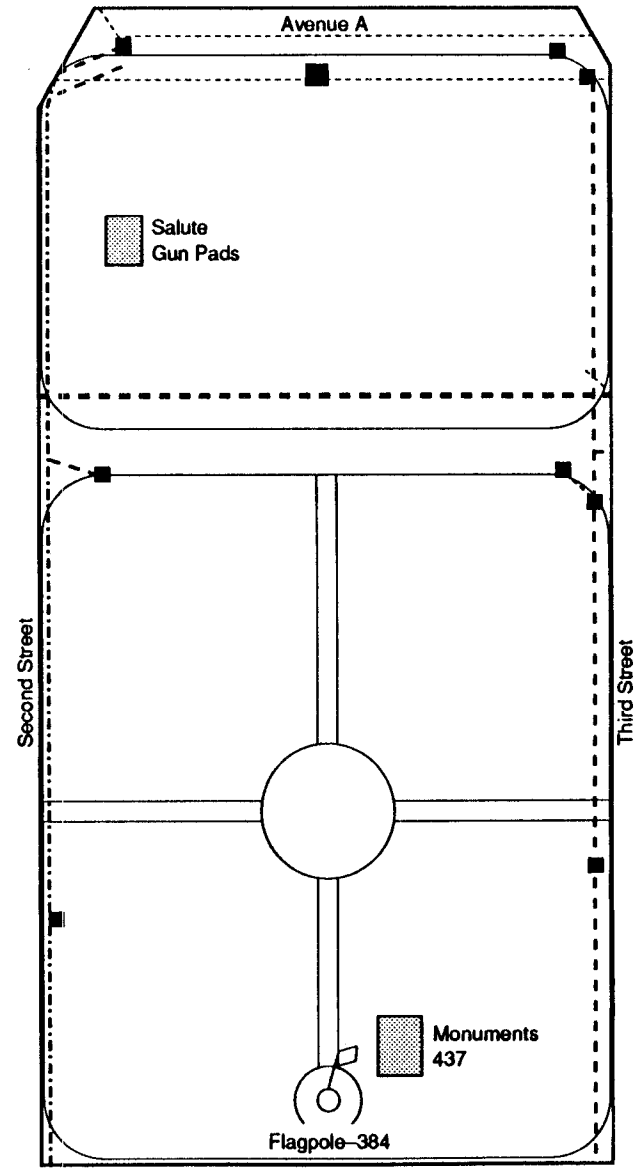


Figure 6-64-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94B

Filling began in the area covered by this parcel in approximately 1935. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within this parcel boundary was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, three structures (Structures 384, 437, and the salute gun pads) are located on the parcel. Structures 384 and 437 are the flag pole and the historic ship's bell with granite memorials, respectively. The parcel consists entirely of open space. No buildings or other structures were formerly located on the parcel. Storm, sanitary, and industrial waste sewer lines are present on the parcel and are shown on Figure 6-64-1.

Parcel 64 is located within 400 feet of Installation Restoration (IR) Program Site 8 (Parcel 75, Building 114, PWC Shop) and IR Site 5 (Parcel 54, Building 5). IR Site 8 and 5 are located to the southeast and southwest, respectively. No previous investigations have been conducted at Parcel 64, and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Open Space

The parcel consists entirely of open space. The parcel has been used for Navy ceremonies and recreation. The open space is bordered and criss-crossed by concrete sidewalks. An asphalt-paved roadway crosses the space from east to west approximately 300 feet south of the northern border between Parcel 63 and Parcel 64. Grass and landscaping cover approximately 90 percent of the parcel.

Structures located within the open space include the flagpole (Structure 384, erected in approximately 1941), the historic ship's bell and granite memorials (Structure 437, erected in approximately 1956), and salute gun pads (structure number unknown, installed in approximately 1970). A small soccer field is marked off on the northern part of the open space in a 1993 aerial photograph.

No buildings have ever been constructed on Parcel 64. Utilities located within and immediately surrounding the open space include underground natural gas, sanitary sewer, storm sewer, industrial sewer, steam, water, and electrical lines. No permits are known to have been issued for any processes occurring within this open space. The landscaped area of this parcel has been continuously maintained since approximately 1940. No chemicals are documented to have been used or stored on Parcel 64.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 64 is bounded by streets on four sides. Across the streets are Parcels 91 (grassy open space area), 84 (chapel and theater), 16 (clinic), 65 (Building 1), and 45/41 (barracks). Two IR sites are located within 400 feet of Parcel 64, on Parcel 75 (IR Site 8, Building 114 - PWC Shops) and Parcel 54 (IR Site 5, Building 5). These sites are not contiguous with Parcel 64, therefore, no sampling is called for in this PEP in response to the nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 64, then additional sampling on Parcel 64 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 64, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-64-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As

TABLE 6-64-1

Summary of Data Gaps
NAS Alameda Parcel 64

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No buildings exist at Parcel 64.
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) is located 400 feet southwest of Parcel 64. Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor. • IR Site 8 (Building 114 - PWC Shops) is located 400 feet southeast of Parcel 64.
Lead-Based Paint (LBP)[1]	• No LBP issues identified.
PCB-Containing Equipment[1]	• No PCB issues identified.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Natural gas, sanitary sewer, storm sewer, industrial sewer, water, and electrical lines identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-64-1

Summary of Data Gaps
NAS Alameda Parcel 64

Data Gap	Status/Description
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: radiological concerns and Installation Restoration sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 64 because no buildings are present.

As noted earlier, Parcel 64 has open space areas that are landscaped/unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed.

Once the data gaps in Table 6-64-1 are addressed, Parcel 64 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to lead-based paint, underground lines, and radiological issues must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-65

PARCEL 65 EVALUATION PLAN

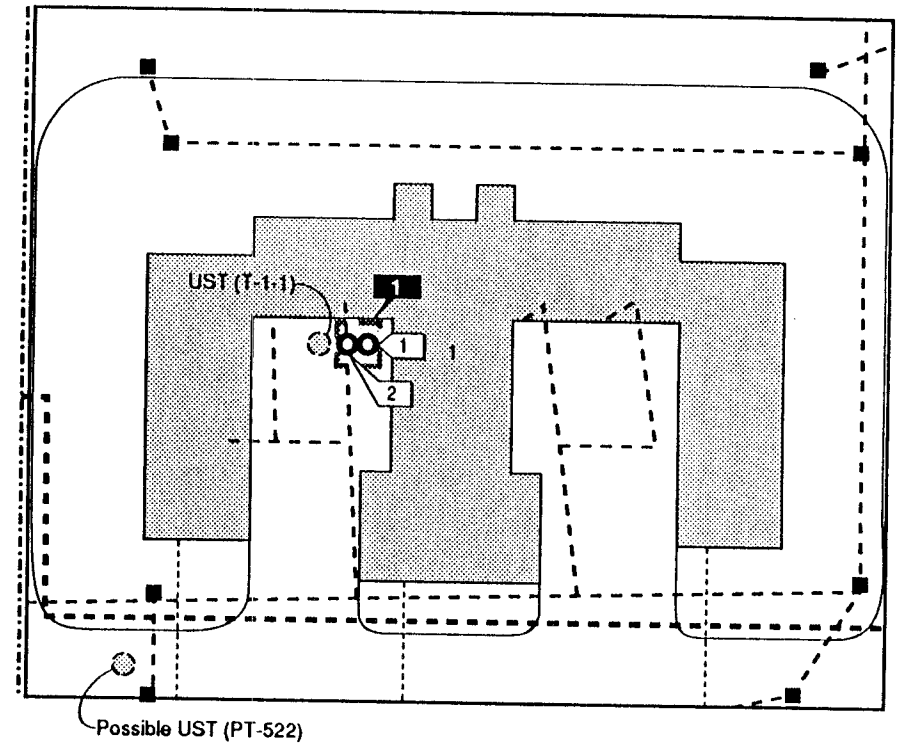
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 65 at NAS Alameda (Figure 6-65-1). The parcel, which is located in the central portion of the base, is 3.3 acres in size and is rectangular. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1. The parcel does not contain any RCRA sites. One parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. Surface soil sampling will be conducted in the screening-level investigation in this area. Table 6-65-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 65, historical activities are discussed below.

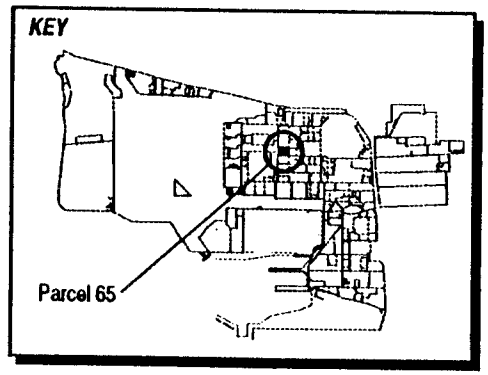
Background and Historical Activities

This subsection summarizes EBS information available for the building, open space, and boundaries of Parcel 65, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 40, 41, 42, 43, 44, 45, 64, and 187. This parcel zone has been designated the Enlisted Barracks Zone (Zone 9). The Enlisted Barracks Zone encompasses the parcels that have been used for housing and other residential facilities at NAS Alameda. During the sampling program development, the parcels located in the zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the





LEGEND

- Target Area 1
- Industrial Waste Line
- Storm Sewer Line
- Sewer Line
- Steam Line
- Surface Soil Sample Location
- Sanitary Sewer Manhole
- Catch Basin

1"= 90'

Magnetic
True North

Figure 6-65-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94B

TABLE 6-65-1

Summary of Recommended Samples
NAS Alameda Parcel 65

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
65-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
65-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
65-2-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015

*This is the suggested location for the confirmation sample. The actual location will depend on field analytical results.

entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 9.

Filling began in the area covered by this parcel in approximately 1935. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, Building 1, the NAS Alameda Administration Building, covers approximately 25 percent of the parcel. The remainder (75 percent) is open space that is partially landscaped and partially paved. No other buildings or structures are documented to have formerly existed on this parcel. Storm, sanitary, and industrial waste sewer lines on and adjacent to the parcel are shown in Figure 6-65-1.

Parcel 65 is located within 125 feet of Installation Restoration (IR) Program Site 8 (Parcel 75, Building 114 - PWC Shop), which is located to the southeast, and within 250 feet of IR Site 5 (Parcel 54, Building 5), which is located to the southwest. No previous investigations have been conducted at Parcel 65, and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on the parcel will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental and industrial hygiene concern within the parcel open space and building are described below.

Building 1

Building 1 was constructed in approximately 1940 to serve as the NAS Alameda Administration Building. The building currently houses offices for NAS Alameda and the Naval Aviation Depot. The building also includes a transmitter, a public telephone facility, a stand-by electrical generator, a former classified materials incinerator, and a former classified materials dehydrator room. In the dehydrator room documents were converted to a paper pulp that was then discharged to the sanitary sewer. Building 1 is constructed of concrete and is generally in good condition. The building has linoleum tile and terrazzo flooring, and sheetrock and tile ceilings. The floorplan covers a total of approximately 50,000 square feet on two floors. Building 1 was built shortly after this area was filled, and no other buildings are documented to have existed on this parcel.

Utilities located within and immediately surrounding Building 1 include underground sanitary sewer, storm sewer, industrial sewer, steam, water, and electrical lines. Records indicate that in 1986 at least eight transformers containing PCBs were removed from an area near the center of the building. A total of less than 25 gallons of chemicals, including cleaning compounds, and copier toner and dispersant, were observed in the restrooms and maintenance rooms of the building during the site inspection. A 1993 NAS Alameda chemical inventory noted that a maximum of 125 gallons of chemicals consisting of non-halogenated organic compounds and corrosives were stored at Building 1. The specific storage location was not noted.

Two stained areas were observed on the floor of the Building 1 emergency generator shed. The first was a 10-foot by 10-foot stain around the base of the generator that appeared to be oil or fuel from the generator. The other was a 3-foot by 3-foot stain around batteries next to the generator. These stained areas are addressed by Target Area 1. A 5-gallon can of Freon (dichlorofluoromethane) was also observed adjacent to the generator.

Open Space I

Open Space I is defined as the paved areas surrounding Building 1. This space takes up approximately 30 percent of the parcel open space. Open Space I includes asphalt roadways and parking areas, and concrete sidewalks. The pavement is generally in good to fair condition. Oil stains from vehicles were observed in parking areas. This staining is minor. Two potential fill ports and a possible vent pipe for a UST were observed during the site visit on the north end of the southwest parking area. This area is adjacent to the west side of the emergency generator shed and is likely to correspond with fuel tank T-1-1 identified in EBS records. No information was obtained during the site inspection on another possible UST (PT-522). Available UST maps locate this tank on the southwest corner of Parcel 65; however, the location provided by the map appears to be in the middle of Avenue C.

Open Space II

Open Space II consists of the landscaped areas on the parcel. These areas cover approximately 70 percent of the parcel open space and are planted with trees, shrubs, and grass. No particular concerns in this open space were noted during the site inspection. The majority of the landscaped area of Open Space II has been continuously maintained since approximately 1940.

Underground Storage Tanks

One active underground storage tank (Tank T-1-1) is present at this parcel. The presence of this tank was identified from the EBS. This tank was installed at an unknown date and is located in the northern part of the southwest parking area of Building 1 (see Figure 6-65-1). Two potential fill ports and a possible vent pipe for a UST were observed during the site visit on the north end of the southwest parking area. This area is adjacent to the west side of the emergency generator shed and likely to corresponds to Tank T-1-1 identified in EBS records. Based on the available information, Tank T-1-1 contains automotive gasoline and has a capacity of 500 gallons. This tank was tested and passed tightness tests in November 1991 and 1993.

One other underground storage tank may be present at this parcel. Available UST maps locate another tank (PT-522) on the southwest corner of Parcel 65; however, the location appears to be in the middle of Avenue C. No other information could be obtained during the EBS. The site inspection did not reveal evidence of this tank.

Parcel Boundary Conditions

Parcel 65 is bounded by streets on four sides. Across the streets are Parcels 45, 59, 64, 66, 75, 82, and 83. Environmental concerns associated with Parcel 75 (IR Site 8, Building 114 - PWC Shop) and Parcel 54 (IR Site 5 - Building 5) may have affected the environment at Parcel 65.

No sampling is called for in this PEP in response to the two nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 65, then additional sampling on Parcel 65 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 65, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being

reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-65-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 65 because no industrial buildings are present.

Once the data gaps in Table 6-65-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 65 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP discusses the specific parcel target area. The nature and location of the parcel-specific target area was evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Generator Shed): Observed staining and storage of TPH in this area indicate past releases of TPH to the floor of this shed. Soil beneath the shed may also have been impacted. This target area covers less than 1,000 square feet and has been rated as having a potential likelihood of impacts. Two surface soil samples will be collected from this target area. The samples are shown on Figure 6-65-1 and listed in Table 6-65-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level investigation technique that will be used to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-65-1 summarizes screening-level sampling and analysis for the target area on Parcel 65. Two surface soil samples will be collected from the locations shown on Figure 6-65-1.

TABLE 6-65-2

Summary of Data Gaps
NAS Alameda Parcel 65

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 65.
Installation Restoration (IR) Sites	• Parcel 65 is located within 250 feet of Installation Restoration (IR) Program Site 8 (Parcel 75, Building 114 - PWC Shop) and within 250 feet of IR Site 5 (Parcel 54 - Building 5), located to the southeast and southwest, respectively. Additional subsurface investigation relative to these IR Sites is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1 (Generator Shed).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-65-2

Summary of Data Gaps
NAS Alameda Parcel 65

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• One active UST is present at this parcel (Tanks T-1-1). This tank was tested and passed for tightness in November 1991 and 1993. • One UST may be present at this parcel. Available UST maps locate another tank (PT-522) on the southwest corner of Parcel 65. No other information was available regarding this tank.
Underground Utilities	• Sanitary sewer, storm sewer, industrial sewer, water, and electrical lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4. Sampling locations shown on Figure 6-65-1 are approximate.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-187

PARCEL 187 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 187 at NAS Alameda (Figure 6-187-1). The parcel, which is located in the north-central portion of the base, is less than an acre in size and is roughly oval in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1. No RCRA sites are located at this parcel. No zone-wide and one parcel-specific target investigation area (target area) has been identified on this parcel. Subsurface Geoprobe soil sampling is the sampling procedure called for in the screening-level investigation in this area. Table 6-187-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 187, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 187, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigative phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 40, 41, 42, 43, 44, 45, 64, and 65. This parcel zone has been designated the Enlisted Barracks Zone (Zone 9). The Enlisted Barracks Zone encompasses the parcels that have been used for housing and other residential facilities at NAS Alameda. During the sampling program development, the parcels located in the zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the

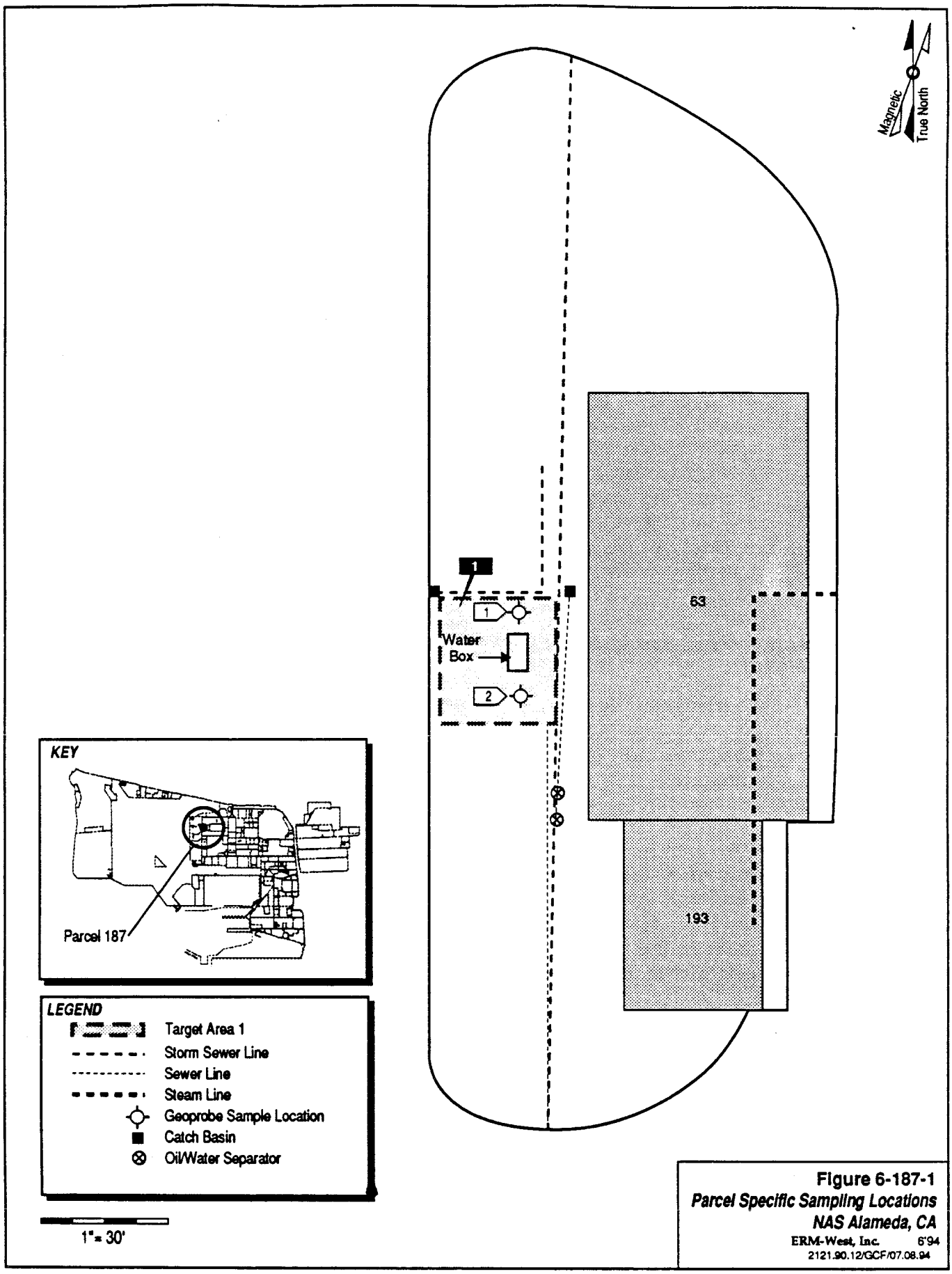


Figure 6-187-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/07.08.94

TABLE 6-187-1

Summary of Recommended Samples
NAS Alameda Parcel 187

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
187-1-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Fuels, Oils, Paints	VOCs, TPH, SVOCs, Metals	EPA 8240, Modified EPA 8015, EPA 8270, ICAP Scan
187-2-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Fuels, Oils, Paints	VOCs, TPH, SVOCs, Metals	EPA 8240, Modified EPA 8015, EPA 8270, ICAP Scan
187-2-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 1	Fuels, Oils, Paints	VOCs, SVOCs, Metals, TPH	CLP RAS, Modified EPA 8015

entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 9.

Filling began in the area covered by this parcel in approximately 1940. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1941; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Buildings 63 and 193) cover approximately 30 percent of the parcel. The remaining 70 percent is open space. The parcel was formerly used for dry storage and administrative offices. No other buildings or structures were formerly located at this parcel. Sewer lines are present on this parcel and are shown on Figure 6-185-1.

Parcel 187 is located approximately 400 feet north of Installation Restoration (IR) Program Site 5 (Building 5). No previous investigations have been conducted at Parcel 187, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 63

Building 63 is currently used as a fire extinguisher service area by the Fire Department (Figure 6-187-1). There are also kitchen supply and dressing room areas near the mess hall. This building was formerly used as a bakery. This building covers approximately 5,100 square feet and is in fair condition. Building 63 has concrete floors and built up roofing. Utilities located within and immediately surrounding Building 63 include underground natural gas, sanitary sewer, storm sewer, steam, electrical, abandoned fuel, and industrial sewer lines.

Sodium chloride and phosphate (fire fighting agents) are documented to have been stored in the building. Approximately 650 pounds of these chemicals were stored in the building at the time of the site inspection. According to the authorized use list, up to 40,000 gallons of halogenated organics, non-halogenated organics, and corrosives may have been stored in the building in 1993. The authorized use list gives maximum quantities that may be stored in or used in a building over the course of a year. This does not mean that the given quantity has

been stored, but that the location given has the authority to store the amount given over a year's time. No significant chemical storage was noted during the site inspection. One drum of triplex powder, without containment, was observed during visual inspections of Building 63. One of the floor drains in this building was observed to be dirty at the time of the site inspection.

Dust was observed during the site inspection on many surfaces, as were leaks in the roofs and pipes. The exterior and interior surfaces of this building were observed to have excessive peeling paint. No spills or staining were noted during the site inspection. No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 63.

Building 193

Building 193 is a wood frame building with a built up wood roof, drywall, and tile floor. It covers approximately 1,000 square feet and is in fair condition. The building has been used for bakery storage, as a typewriter repair room, and for fire department storage. Building 193 is currently empty. Utilities located within and immediately surrounding Building 193 include underground natural gas, sanitary sewer, storm sewer, steam, electrical, abandoned fuel, and industrial sewer lines.

Small quantities of cleaning supplies are stored in the building. No other chemical storage, staining or spills are documented to have occurred in Building 193.

Building 193 is not documented to have a heating-ventilation-air conditioning (HVAC) system. No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 193.

Open Space

The open space covers approximately 70 percent of the parcel. The ground surface of the open space consists of grass in a strip surrounding the buildings, and pavement over the rest of the open space. The parking facilities are surfaced with asphalt, while the rest of the paved area is concrete that serves as sidewalks. The pavement is in fair condition.

Utilities located within and immediately surrounding the open space include underground natural gas, sanitary sewer, storm sewer, steam, electrical, industrial sewer lines, and overhead electrical lines.

Structures located within the open space include a covered underground wooden vault (Figure 6-187-1) on the western portion of the parcel, immediately west of Building 63. This vault was observed to contain dirty liquid. The sides of the vault and interior were observed to be caked with dirt and possibly oil. The vault was identified by PWC as a "water box." This "water box" is addressed by Target Area 1. An oil/water separator is documented to be present near the southwest corner of Building 63.

No chemical use, storage or disposal is documented to have occurred in this area. No spills or staining has been documented in the open space, other than that related to vehicle parking. No incidents, such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 187 is surrounded by Parcel 43. If the results of any sampling proposed for Parcel 43 indicate that activities on Parcel 43 may have impacted Parcel 187, then additional sampling on Parcel 187 may be appropriate. First Street borders Parcel 187 to the west.

No parcels contiguous with Parcel 187 are IR sites; therefore, no sampling is called for in this PEP in response to the nearby IR site. If the continuing investigations at the nearby IR site reveals a cause for concern at Parcel 187, then additional sampling on Parcel 187 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 187, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-187-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with nearby abandoned fuel and sewer lines are also addressed separately. Sampling associated with fuel and sewer lines is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 187 because no industrial buildings are present.

As noted earlier, Parcel 187 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling is proposed for this parcel.

Once the data gaps in Table 6-187-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 187 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target area. This subsection of the PEP discusses the specific parcel target area. The nature and locations of the target area was evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

TABLE 6-187-2

Summary of Data Gaps
NAS Alameda Parcel 187

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 187.
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) is located approximately 400 feet south Parcel 187. Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1 (Open Space).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-187-2

Summary of Data Gaps
NAS Alameda Parcel 187

Data Gap	Status/Description
Underground Utilities	• Natural gas, sanitary sewer, storm sewer, electrical, and industrial sewer lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

- Target Area 1 (Open Space): The immediate vicinity of the water box located west of Building 63 may have been impacted by unauthorized dumping into this hole in the ground. Compounds of concern immediately surrounding the water box include VOCs, metals, SVOCs, and TPH. This target area is classified as having a potential likelihood of impacts. Two subsurface soil samples will be collected from the locations shown on Figure 6-187-1. The samples are listed in Table 6-187-1.

In addition, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological issues, and IR sites must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Screening-Level Investigation

Subsurface Geoprobe soil sampling is the screening-level technique that will be used to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

Table 6-187-1 summarizes screening-level sampling and analysis for the target area on the parcel. Two Geoprobe subsurface samples will be collected from the locations shown on Figure 6-187-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: surface soil sampling (SOP 3), soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-Z10

ZONE 10 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 10 at NAS Alameda (Figure 6-Z10-1). Zone 10 has been designated the Building 5 Heavy Industrial Zone and encompasses Building 5 and the parcels that surround, support or are part of Building 5 activities. Zone 10 is comprised of Parcels 46, 47, 48, 49, 54, 55, 56, 57, 58, and 59. During the sampling program development, the parcels located in this zone were evaluated together. One zone-wide target investigation area (target area) and 16 parcel-specific target areas have been identified in this zone. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface Geoprobe soil sampling. Figure 6-Z10-1 illustrates all sample locations for the entire zone, including parcel-specific sampling. One of the parcels in this zone have been reclassified from BRAC Category 7. Parcel 54 has been reclassified to BRAC Category 6.

This zone evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 10, historical activities are discussed below.

Zone 10 Background and Historical Activities

This subsection briefly summarizes EBS information available for buildings, open spaces, and boundaries of Zone 10 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the Parcel Evaluation Plans (PEPs) for the parcels contained in this zone.

Past and present use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and

TABLE 6-Z10-1

Summary of Recommended Samples
NAS Alameda Zone 10

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z10-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 10 Target Area 1	PCBs, Fuels, Oils, Creosote, Railroad Tie Tar	PCBs, TPH, SVOCs, Lead	EPA 8080, Modified EPA 8015, CLP RAS, ICAP SCAN

historical aerial photographs (the non-intrusive investigation[1]). This information was used to determine areas on the zone where sampling was deemed necessary to delineate potential impacts of compounds of concern.

Zone 10, the Building 5 Heavy Industrial Zone, encompasses ten parcels that support, surround, or are part of activities that occur in Building 5. During the sampling program development, the parcels located in this zone were evaluated together to better address zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of specific parcel concerns is provided in the PEPs for individual parcels.

Filling began in the area covered by this zone in approximately 1930. Prior to this time, the zone area was completely inundated by San Francisco Bay. The zone was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, 16 buildings and one structure cover approximately 40 percent of the zone. The remaining 60 percent is open space. The zone area is presently in use as a heavy industrial area. Five buildings were formerly located on the zone and have since been demolished.

Zone 10 contains one Installation Restoration (IR) Program site (IR Site 5 - Building 5). Previous investigations have been conducted at Zone 10, and specific data regarding chemical occurrence at this zone are available. Available information on previous and ongoing studies is presented in the appropriate PEP.

Underground fuel, steam, and sewer lines present on this zone are illustrated in the individual PEP figures. Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns and asbestos-containing materials on Zone 10 will be addressed in other sampling programs and are not considered in this ZAP.

Underground Storage Tanks

Five abandoned tanks are present at this zone (Tanks 5-A, 261-1, 261-2, 261-3, and 615-3). They are located on Parcels 54, 55, and 57. All five of these tanks are scheduled to be removed. The available information

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1 The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.

did not identify why the tanks were abandoned. However, based on general comments made by NAS Alameda personnel, tanks were most commonly abandoned because they were leaking. Four of these tanks have been identified as RCRA tanks based on their inclusion in the RFI.

Four active tanks are present at this zone (Tanks 614-1, 615-1, 615-2, and 62-1). They are located on Parcels 49, 57, and 59. Based on the available information, these tanks are used for emergency spill control (2), diesel fuel storage (1), and for unknown material storage (1). Two of these tanks were installed in 1981. It is unknown when the other two tanks were installed. One of these tanks has been tested for tightness, and has tested tight. The two spill contol tanks have been identified as RCRA tanks based on their contents and inclusion in the RFI.

One additional tank exists on Parcel 54 (Tank 5A-1). No other information is available regarding this tank.

RCRA Sites

This zone includes 36 RCRA sites located on Parcels 49, 54, 55, and 57. These sites were evaluated consistent with the criteria applied to other potential target areas at the zone. Under these criteria, of the 36 RCRA sites at this zone, five sites require further investigation. The tanks are being addressed as part of the UST program. A brief description of each RCRA site is provided in the corresponding PEP. The sampling proposed for the sites that require sampling is also described in the corresponding PEP.

Zone Boundary Conditions

Zone 10 is bounded by Zones 6, 9, 11, and 13. Activities of concern on these adjacent zone include aircraft maintenance, rework, fueling, and washdown on Zones 6 and 11, and light industrial activities including plating, vehicle maintenance and repair, and fuel storage on Zone 13.

Zone Target Areas and Compounds of Concern

This zone contains one zone-wide target area and 16 parcel-specific target areas. This subsection of the ZAP discusses the specific zone-wide target area and provides an overview of the parcel-specific target areas. The discussion of the zone-wide target area focuses on the zone-

wide sampling proposed for this zone. Detailed information regarding the parcel-specific target areas and the proposed sampling is provided in the PEPs for individual parcels. The nature and locations of the zone-wide and parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

Zone 10 Target Areas

- Zone 10 Target Area 1 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Building 5 Heavy Industrial Zone. Railroad tracks are located on Parcels 56 and 57 only. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having a potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the the track areas for a total of one surface soil sample for this zone target area. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means. The sample to be collected in this target area is listed in Table 6-Z10-1, and shown on Figure 6-Z10-1.

  It should be noted that railroad track sampling will first be performed in the Housing Zone (Zone 16). If investigations there indicate that the potential releases of the compounds of concern are negligible, then the railroad track zone target area may be eliminated in this zone and other zones. Alternately, if the investigations in Zone 16 indicate that only certain compounds of concern are actually associated with the railroad tracks, then sampling may be modified to analyze for the more limited suite of the compounds of concern, only.

Parcel 46, 47, 48, 56, and 59 Target Areas

No parcel-specific target areas were identified at these parcels.

Parcel 49 Target Areas

- Target Area 1 (Building 405): Target Area 1 includes the northern portion of Building 405, the open space area immediately north of the building, and the stained area adjacent to Building 405 in Open Space I. The soils in this area may have been impacted by the heavy

use of fuels, solvents, and lubricating oils in this area, as evidenced by the heavy staining. Specific areas of concern within the target area include the staining under the winch, in the interior and exterior of the building, in the trench near the winch, in the shop area proper, and adjacent to the ASTs that serve the shop. The compounds of concern are TPH, specifically lubrication oil, hydraulic fluid, and fuels, and VOCs. This target area covers approximately 4,000 square feet and is classified as having a potential likelihood of impacts. Six surface soil samples and eight subsurface Geoprobe soil samples will be collected in this target area.

- Target Area 2 (Open Space II): The soil beneath SWMU/GAP 11 may have been impacted by spills or leakage of used petroleum products, as evidenced by staining in this area. This target area covers approximately 400 square feet and has been classified as having a potential likelihood of impacts. Lubrication oil, hydraulic fluid, and diesel-range fuels are the compounds of concern in this target area. Two surface soil samples will be collected in this target area.

- Target Area 3 (Building 614 Open Space): The soil surrounding Building 614 may have been impacted by spills or leakage of petroleum products or paint-related hazardous materials associated with Building 614 and the historical use of the open space (i.e., aircraft storage). This target area covers approximately 1,000 square feet and has been classified as having a potential likelihood of impacts. Two subsurface soil samples will be collected in this target area.

Parcel 54 Target Areas

- Target Area 1 (Building 5A, Central Area): The aircraft maintenance line in the middle of Building 5A may have been impacted by former metal work shops located in this area, and by used and unused lubrication, hydraulic, and other petroleum-based oils used in this area. Extensive staining was noted in the area covered by this target area. This target area covers approximately 34,000 square feet and has been classified as having a potential likelihood of impacts. Four surface and three subsurface soil samples will be collected in this area. The surface soil samples will be analyzed for TPH, SVOCs, and metals. The subsurface samples will be analyzed for these constituents as well as VOCs.

- Target Area 2 (Building 5, Southeast Area): The heat treat, pattern, metal manufacturing, foundry, rubber manufacturing, shot peen, and welding shops located in the southeast corner of the building

may have been impacted by the use of chemicals containing VOCs, SVOCs, metals, and TPH. Extensive staining was noted in the areas covered by Target Area 2. This target area covers approximately 43,000 square feet and has been classified as having a potential likelihood of impacts. Six surface and three subsurface soil samples will be collected in this area. The surface soil samples will be analyzed for SVOCs, metals, and TPH. The subsurface samples will be analyzed for these constituents as well as VOCs.

- Target Area 3 (Building 5, Northeast Area): The rigging, CSD overhaul, and heavy metal work shops located in the northeast corner of the building may have been impacted by use of chemicals containing VOCs, SVOCs, metals, and TPH. Extensive staining was noted in the area covered by this target area. This target area covers approximately 37,000 square feet and has been classified as having a potential likelihood of impacts. Four surface soil and three subsurface soil samples will be collected in this area. The surface soil samples will be analyzed for TPH, SVOCs, and metals. The subsurface samples will be analyzed for these constituents as well as VOCs.

- Target Area 4 (Building 5, North-Central Area): The small parts painting, inflight refueling, and landing gear shops located in the north-central area of the building may have been impacted by use of chemicals containing VOCs, SVOCs, metals, and TPH. This target area covers approximately 25,000 square feet and has been classified as having a potential likelihood of impacts. Two surface and three subsurface soil samples will be collected in this area. The surface soil samples will be analyzed for TPH, SVOCs, and metals. The subsurface samples will be analyzed for these constituents as well as VOCs.

- Target Area 5 (Open Space I): The industrial wastewater treatment processes involving metal-contaminated water, reactives, VOCs, and SVOCs may have impacted the stained area in IWTP #5. This target area covers approximately 2,000 square feet and has been classified as having a potential likelihood of impacts. Two subsurface soil samples will be collected in this area and analyzed for TPH, SVOCs, VOCs, Reactives, and metals.

- Target Area 6 (Open Space II): The soils beneath the stained area located southwest of the intersection of Second Street and Avenue D may have been impacted by fuels, oils, and metals. The pavement in Open Space II was noted by site inspectors to be in fair to poor condition. This target area covers approximately 6,000 square feet and has been classified as having a potential

likelihood of impacts. Three surface soil samples will be collected in this area and analyzed for TPH, SVOCs, and metals.

Parcel 55 Target Areas

- Target Area 1 (Building 261): The soil beneath the concrete bermed area of Building 261 may have been impacted by spills or leakage of petroleum products formerly stored in the building, as evidenced by a strong fuel odor noted by site inspectors in this area. The compounds of concern in this target area include petroleum-based fuels. This target area covers approximately 100 square feet and has been classified as having a potential likelihood of impacts. Two surface and two subsurface soil samples will be collected from this target area and analyzed for petroleum hydrocarbons and VOCs.

Parcel 57 Target Areas

- Target Area 1 (Building 348): The target area is defined as Building 348, and covers approximately 5,100 square feet. The east and west side of the building interior have abandoned dip tanks, though no staining was noted in those areas. The pervasive use of methylene chloride in parts washing operations with the severely etched floor noted by site inspectors indicate a potential likelihood of impacts from TPH, VOCs, and metals to the soils below the foundation. Three surface and three subsurface soil samples will be collected in this target area.

- Target Area 2 (Building 415): The target area is defined by the edges of the enclosure since the staining is scattered, though the most stained area is the intended target area. Site inspectors noted a continuous release of some petroleum product in the drum storage area. The total stained area in this enclosure is less than 500 square feet. Flammables, petroleum products, solvents, oils, and lubricants have been stored in this building. There is a potential likelihood of impacts from TPH, metals, and VOCs to the soils under the foundation of the building, which is cracked in places. Three surface and three subsurface soil samples will be collected in this target area.

- Target Area 3 (North of Building 348): A petroleum-based stain and several stains noted on a dip tank and the surrounding ground surface on the roadway between Buildings 5 and 348 comprise this target area. The petroleum stain covers an area 20 feet by 15 feet. The entire target area covers less than 1,000 square feet. There is no information about the types of chemicals used near the dip tank.

Therefore, TPH, SVOCs, metals, and reactives have been identified as compounds of potential concern for the area near the dip tank. This target area has been classified as having a potential likelihood of impacts. Two surface and two subsurface soil samples will be collected in this target area.

- Target Area 4 (South of Building 615): The target area is defined as the area south of Building 615 where chemicals being stored include flammables and petroleum products. The soils beneath this chemical storage area may have been impacted by the leakage apparent among the 30 and 55 gallon drums assembled in this area. This area covers approximately 1,000 square feet and has been classified as having a potential likelihood of impacts. TPH and VOCs are the compounds of concern in this area. Two surface and two subsurface soil samples will be collected in this target area.

- Target Area 5 (Grease Interceptor): The target area is the area surrounding the grease interceptor located on the north side of Avenue F, near the southeast corner of the parcel. This has been designated a target area because the runoff from Target Area 4 and the former hazardous waste site drains to this grease receptor, and green, sludge-like material was noted in this area at the time of the site inspection. TPH, VOCs, and metals are the compounds of concern. This target area covers less than 1,000 square feet and has been classified as having a potential likelihood of impacts. Two subsurface soil samples will be collected in this target area.

Parcel 58 Target Areas

- Target Area 1 (Open Space): The soil beneath the hazardous materials lockers in the southern portion of the open space may have been impacted by spills or leakage of VOCs, SVOCs, and petroleum compounds contained in solvents, oils, wood stains, adhesives, and thinner stored in these containers. This target area covers less than 1,000 square feet and has been classified as having a potential likelihood of impacts. Two surface and two subsurface soil samples will be collected in this target area.

Screening-Level Investigation

Two screening-level techniques will be employed to assess conditions in the zone and parcel-specific target areas and to identify areas that may require further sampling in the follow-up detailed evaluation

phase. These techniques include surface soil sampling (SOP 3) and subsurface GeoProbe soil sampling (SOP 14).

Table 6-Z10-1 summarizes screening-level sampling and analysis for the zone and parcel-specific target areas. A total of 42 surface soil and 40 subsurface Geoprobe soil samples will be collected from the locations shown on Figure 6-Z10-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the zone areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-46

PARCEL 46 EVALUATION PLAN

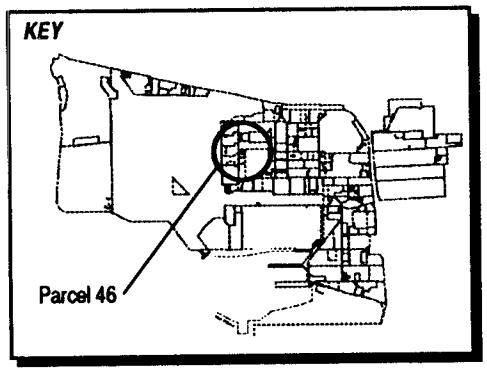
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 46 at NAS Alameda (Figure 6-46-1). The parcel, which is located in the central portion of the base, is approximately one acre in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 46, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 46, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other area of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 47, 48, 49, 54, 55, 56, 57, 58, and 59. This parcel zone has been designated the Building 5 Heavy Industrial Zone (Zone 10). The Building 5 Heavy Industrial Zone encompasses Building 5 (Parcel 54) and the parcels that surround the aircraft rework and maintenance facilities located on Parcel 54. Many of the parcels surrounding Parcel 54 are used as support facilities for Building 5. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the



LEGEND

- Abandoned Fuel Line (On Parcel 32)
- Steam Line
- Storm Sewer Line
- Sewer Line
- Catch Basin

Note: *No screening-level sampling recommended for this parcel.*

1"= 60'

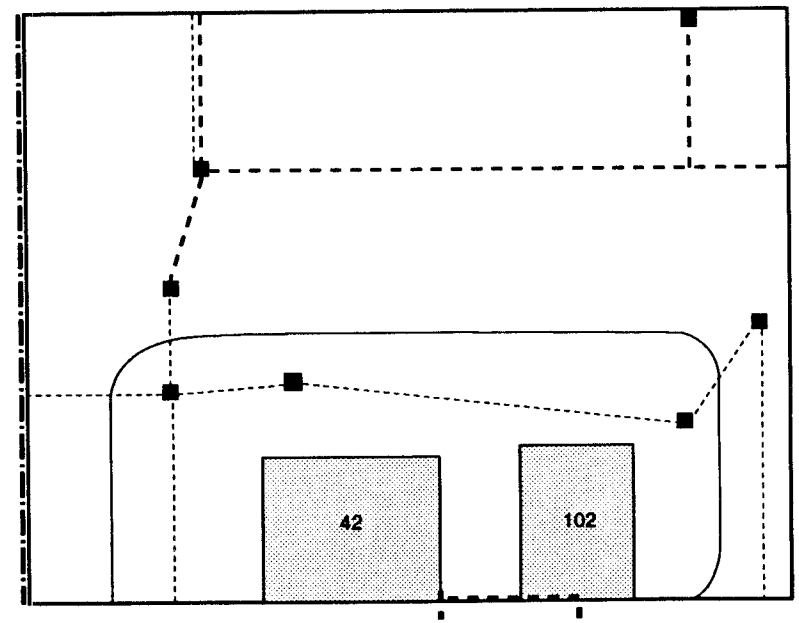


Figure 6-46-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/PAC/07.11.94

entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 10.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Buildings 102 and 42) cover approximately 10 percent of the parcel. The remaining 90 percent is open space. The parcel area is presently used for laboratory and office buildings and supporting facilities. No other buildings or structures are documented to have formerly existed on Parcel 46. Underground steam and sewer lines are present on this parcel and are shown on Figure 6-46-1. Abandoned fuel lines are present immediately west of the boundary of Parcel 46 with Parcel 32.

Parcel 46 is located adjacent to Installation Restoration (IR) Program Site 5 (Building 5). No previous investigations have been conducted at Parcel 46, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 42

Building 42 was constructed in 1941 and has been used as an engineering laboratory and for fuel testing (Figure 6-46-1). The building is currently used for electronics testing. Building 42 is constructed of concrete with a new tile floor over a concrete foundation and a drop ceiling. It covers approximately 3,000 square feet and is in moderately good condition. Utilities located within and immediately surrounding Building 42 include underground sanitary sewer, storm sewer, steam, water, electrical, and abandoned fuel lines.

No chemical storage, spills or staining have been documented in Building 42. Building 42 was recently equipped with a new heating-ventilation-air conditioning (HVAC) system. Several transformers are located in and near Building 42. Their PCB classifications are unknown and no staining was noted in their vicinities. No incidents

such as fires, mishaps, or flooding are documented to have occurred within Building 42.

Building 102

Building 102 was constructed in 1943 and has served as an ordnance storage area (Figure 6-46-1). This one-story building is in moderately good condition and covers approximately 2,000 square feet. It is presently being used as an office space for ordnance supply for the base, and has a small ammunition vault that is constructed completely of concrete. According to site personnel, all ordnance is imported and exported in packaged condition at NAS Alameda. The remainder of Building 102 is constructed of wood with a drop-tile ceiling. Utilities located within and immediately surrounding Building 102 include underground sanitary sewer, storm sewer, steam, water, electrical, and abandoned fuel lines.

Paint, nonhalogenated organic compounds, and petroleum products are documented to have been stored in Building 102. Approximately 50 gallons of these compounds are documented to have been stored in Building 102 in 1993. These chemicals were not seen during the site inspection, and no staining or spills have been documented in the building.

Site inspectors observed peeling paint on the inside of the building that may contain lead. No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 102.

Open Space

The open space covers approximately 90 percent of the parcel. The open space is completely paved. Approximately 50 percent of the paved area is surfaced with asphalt and 50 percent is covered with concrete. The pavement is in good condition. Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, water, electrical, and abandoned fuel lines.

Activities conducted within this open space include vehicle washdown and vehicle parking. The open space has typical staining associated with vehicle parking that does not warrant sampling at this time. No incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 46 is bounded by Parcels 32, 45, 47, and 54. Activities of concern on these adjacent parcels include aircraft maintenance, washdown, and rework on Parcel 32. Parcel 54 is an IR site (IR Site 5 - Building 5). First Street borders Parcel 46 to the west.

No sampling is called for in this PEP in response to the nearby IR site. If the continuing investigations at the IR site or the sampling proposed for Parcel 32 reveal a cause for concern at Parcel 46, then additional sampling on Parcel 46 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 46, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-46-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the

TABLE 6-46-1

Summary of Data Gaps
NAS Alameda Parcel 46

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) is located adjacent to Parcel 46. Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non IR) parcels identified, though abandoned fuel lines are present near the western parcel boundary.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-46-1

Summary of Data Gaps
NAS Alameda Parcel 46

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Abandoned fuel lines identified near the western boundary of Parcel 46, on Parcel 32.
Other	• No evidence of other data gaps identified.

Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 42. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-46-1 are addressed, Parcel 46 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological concerns, and the potential impacts of the adjacent IR site must be resolved before this parcel can be leased or transferred.

SECTION 6-47

PARCEL 47 EVALUATION PLAN

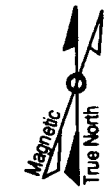
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 47 at NAS Alameda (Figure 6-47-1). The parcel, which is located in the central portion of the base, is 0.7 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 47, historical activities are discussed below.

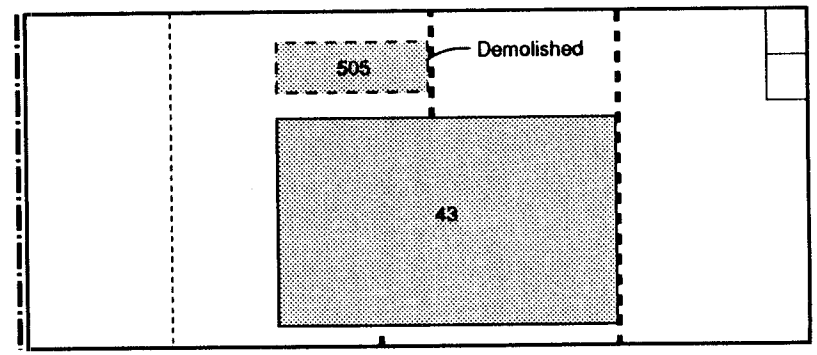
Background and Historical Activities

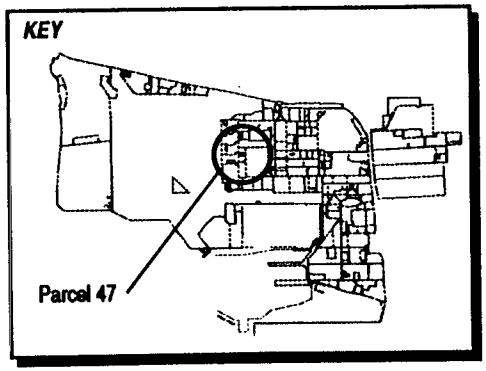
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 47, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 46, 48, 49, 54, 55, 56, 57, 58, and 59. This parcel zone has been designated the Building 5 Heavy Industrial Zone (Zone 10). The Building 5 Heavy Industrial Zone includes parcels that surround and encompass the aircraft rework and maintenance facilities located on Parcel 54. Many of the parcels surrounding Parcel 54 are used for support facilities for Building 5. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-







LEGEND

- Steam Line
- Abandoned Fuel Line (On Parcel 190)
- Sewer Line

Note: *No screening-level sampling recommended for this parcel.*

1"= 60'

Figure 6-47-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/PAC/07.11.94

wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 10.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 43) and one structure (a storage shed) cover approximately 5 percent of the parcel. The remaining 95 percent is open space. The parcel area is presently in use as recreation area and weapons shop facility. Building 505 formerly existed on this parcel. Underground steam and sewer lines are present on this parcel and are shown on Figure 6-47-1. Abandoned fuel lines are present near the western boundary of Parcel 47, on Parcel 190.

Parcel 47 is located adjacent to an Installation Restoration (IR) Program site (IR Site 5 - Building 5). No previous investigations have been conducted at Parcel 47, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 43

Building 43 was constructed in 1941 and has served as an ammunition overhaul and rework shop (Figure 6-47-1). Building 43 is a two-story building, with concrete walls and floor, and a built-up roof. Building 43 covers approximately 10,000 square feet and is in fair condition. Utilities located within and immediately surrounding Building 43 include underground sanitary sewer, steam, water, electrical, and abandoned fuel lines. Four oil-filled transformers are located in and around Building 43.

The building is currently used for ordnance storage, a recreation area, training area, and office space. The building is shared by NAS weapons administration (east side of building), and explosive ordnance disposal (EOD) on the west side of the building. All ordnance is reportedly imported and exported in a packaged condition at NAS Alameda.

Solvents, waxes, polish, petroleum products, and cleaning agents are stored in Building 43 in cabinets and hazardous materials lockers. Approximately 20 gallons total of these substances were housed in hazardous materials lockers in the equipment room and immediately north of the building. No spills or staining is documented to have occurred in Building 43.

Building 43 is not documented to be equipped with a heating-ventilation-air conditioning (HVAC) system. Peeling paint was noted during the site inspection on the exterior walls of the building. No incidents such as fires, mishaps, or flooding are documented to have occurred within or immediately surrounding Building 43.

Open Space

The open space covers approximately 95 percent of the parcel. The ground surface of the open space is completely paved. Approximately 80 percent of the paved area is surfaced with asphalt and 20 percent is covered with concrete. The pavement is in good condition. The entire area is used for vehicle parking.

Structures located within the open space include a shed on the south side of Building 43. It formerly housed a generator; it is currently used as a smoking area. No staining was noted in the area of the former generator. Utilities located within and immediately surrounding this open space include underground sanitary sewer, storm sewer, steam, water, electrical, and abandoned fuel lines.

There are no records of chemicals being stored or used in this area. Typical staining associated with vehicle parking was the only staining noted during the site inspection. This staining was minor, and does not warrant sampling at this time. No incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

One inactive underground storage tank is present at this parcel (no record regarding the tank number for this tank is available). The tank installation date, capacity, and the material stored during use are unknown. The tank is reportedly located on the east side of this parcel. Investigation of this former tank has not been scheduled. The available information did not identify why the tank was abandoned. However, based on general comments made by NAS Alameda personnel, a tank was most commonly abandoned because it was leaking.

Parcel Boundary Conditions

Parcel 47 is bounded by Parcels 46, 190, 48, and 54. Parcel 54 is IR Site 5 (Building 5). Activities of concern on these adjacent parcels include aircraft maintenance and fueling on Parcel 190, and aircraft rework on Parcel 54. If the sampling proposed for Parcels 54 and 190 indicates that these activities may have impacted Parcel 47, then additional sampling on Parcel 46 may be appropriate. First Street borders Parcel 46 to the west.

No sampling is called for in this PEP in response to the nearby IR site (IR Site 5 - Building 5). If the continuing investigations at the IR site reveals a cause for concern at Parcel 47, then additional sampling on Parcel 47 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 47, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-47-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 47 because no industrial buildings are present.

TABLE 6-47-1

Summary of Data Gaps
NAS Alameda Parcel 47

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 47.
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) is located adjacent to Parcel 47. Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified, though abandoned fuel lines exist near the western parcel boundary, on Parcel 190.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• One inactive UST currently exists at Parcel 47. Future actions for this tank are unknown.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-47-1

Summary of Data Gaps
NAS Alameda Parcel 47

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Abandoned fuel lines identified on a neighboring parcel.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Once the data gaps in Table 6-47-1 are addressed, Parcel 47 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological concerns, the impacts of the adjacent IR site, and USTs must be resolved before this parcel can be leased or transferred.

SECTION 6-48

PARCEL 48 EVALUATION PLAN

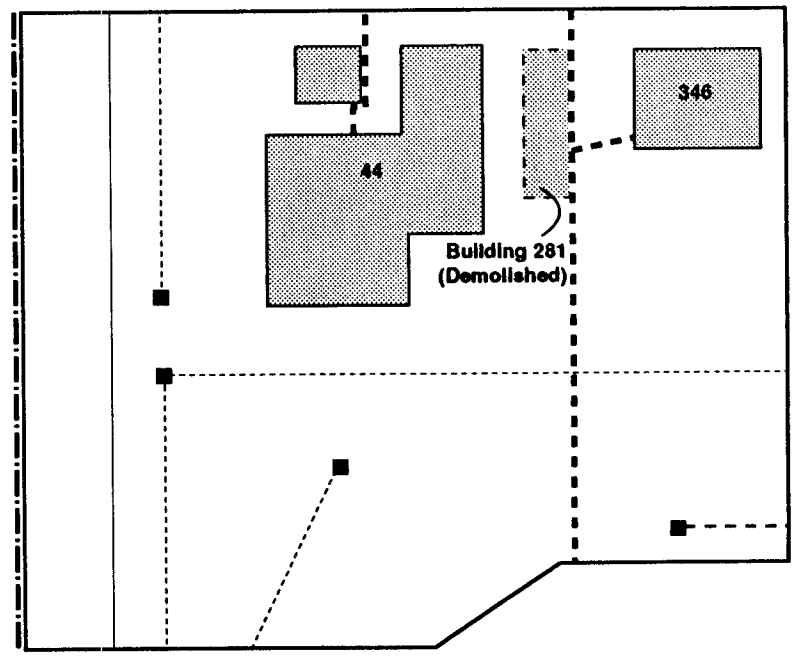
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 48 at NAS Alameda (Figure 6-48-1). The parcel, which is located in the central portion of the base, is approximately one acre in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 48, historical activities are discussed below.

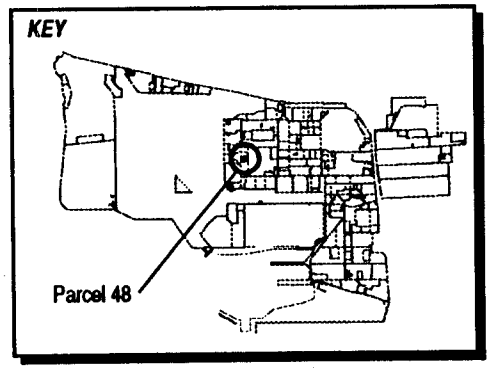
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 48, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 46, 47, 49, 54, 55, 56, 57, 58, and 59. This parcel zone has been designated the Building 5 Heavy Industrial Zone (Zone 10). The Building 5 Heavy Industrial Zone encompasses the parcels that surround and encompass the aircraft rework and maintenance facilities located on Parcel 54. Many of the parcels surrounding Parcel 54 are used for support facilities for Building 5. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the





LEGEND

- Abandoned Fuel Line (on Parcel 190)
- Steam Line
- Storm Sewer Line
- Sewer Line
- Catch Basin

Note: *No screening-level sampling recommended for this parcel.*

1"= 60'

Figure 6-48-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/06.28.94

entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 10.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Buildings 346 and 44) cover approximately 15 percent of the parcel. The remaining 85 percent is open space. The parcel area is presently in use as an engineering lab, office building, and support facilities. Building 281 was formerly located on this parcel, and was used for paint and miscellaneous storage. Underground steam and sewer lines are present on this parcel and are shown on Figure 6-48-1. Abandoned fuel lines are present near the western boundary of Parcel 48, on Parcel 190.

Parcel 48 shares its eastern border with Installation Restoration (IR) Program Site 5 (Building 5). No previous investigations have been conducted at Parcel 48, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 44

Building 44 was constructed in 1941 and is currently used as an administrative building (Figure 6-44-1). This one-story building is in fair condition and is scheduled to be abandoned. Building 44 is constructed of concrete with a wood roof and covers approximately 5,000 square feet. Utilities located within and immediately surrounding Building 44 include underground sanitary sewer, storm sewer, steam, water, electrical, and abandoned fuel lines.

Three one-gallon cans of roofing cement were observed on the roof during visual inspections. A sign was noted during the site inspection located on a wall near the southeast corner of Building 44. It read: "Caution Radiation Area." This part of the building had a test bench for aircraft dials and gauges. One dry-type transformer is also stored in the building. No staining was noted in Building 44.

No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 44. Potential radiological hazards may be of concern in Building 44.

Building 346

Building 346 was constructed in 1949 and has served as an administrative office, engineering laboratory, and is currently used to store furniture, supplies, and tools (Figure 6-48-1). This building covers approximately 1,200 square feet and is in moderately good condition. Building 346 is a Quonset hut structure. Utilities located within and immediately surrounding Building 346 include underground sanitary sewer, storm sewer, steam, water, and electrical lines.

A hazardous materials locker containing adhesives and spray paint (approximately ten gallons total) was documented in Building 346 during the site inspection. No other chemical storage was noted, and no spills or staining are documented to have occurred in Building 346.

Peeling paint was noted on the interior walls of the building during the site inspection. No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 346.

Open Space

The open space covers approximately 85 percent of the parcel. The open space is entirely paved. Approximately 50 percent of the paved area is surfaced with asphalt and 50 percent is paved with concrete. The pavement is in good condition. This open space is primarily used for vehicle parking, solid waste disposal, and a concrete entrance apron for Building 5. No buildings or structures are documented to have been formerly located in this open space.

Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel (on Parcel 190), and industrial sewer lines (on Parcel 49). Three transformers known to contain PCBs and up to seven other oil-filled switches and transformers are located between Buildings 43 and 44. The steam lines servicing Buildings 44 and 346 were noted to potentially be insulated with ACM.

There is no available documentation regarding chemical use, storage, or disposal in the open space. No spills are documented to have occurred in the open space. Staining noted during the site inspection

appears to be limited to scattered releases associated with vehicle parking that do not warrant sampling at this time. No incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within this open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 47 is bounded by Parcels 47, 190, 49, and 54. Parcel 54 is IR Site 5 (Building 5). Activities of concern on these adjacent parcels include aircraft maintenance and fueling on Parcel 190, and aircraft rework on Parcel 54. First Street borders Parcel 48 to the west.

No sampling is called for in this PEP in response to the nearby IR site or the activities on Parcel 190. If the continuing investigations at the IR site or Parcel 190 reveal a cause for concern at Parcel 48, then additional sampling on Parcel 48 may be appropriate

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 48, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-48-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with underground

TABLE 6-48-1

Summary of Data Gaps
NAS Alameda Parcel 48

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings are present on Parcel 48.
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) is located adjacent to Parcel 48. Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified, though abandoned fuel lines exist near the western parcel boundary, on Parcel 190.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program, and may be of concern in Building 44.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-48-1

Summary of Data Gaps
NAS Alameda Parcel 48

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Abandoned fuel lines identified near the western parcel boundary, on Parcel 190.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

fuel lines (on Parcel 190) and sewer lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 48 because no industrial buildings are present.

Once the data gaps in Table 6-48-1 are addressed, Parcel 48 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, and the impacts of the adjacent IR site must be resolved before this parcel can be leased or transferred. Radiological concerns are also of concern in Building 44, and will be addressed as part of the basewide radiological survey.

SECTION 6-49

PARCEL 49 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 49 at NAS Alameda (Figure 6-49-1). The parcel, which is located in the central portion of the base, is approximately three acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains three RCRA sites. Three parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface Geoprobe soil sampling. Table 6-49-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 49, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 49, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 46, 47, 48, 54, 55, 56, 57, 58, and 59. This parcel zone has been designated the Building 5 Heavy Industrial Zone (Zone 10). The Building 5 Heavy Industrial Zone encompasses the parcels that surround and encompass the aircraft rework and maintenance facilities located on Parcel 54. Many

TABLE 6-49-1

Summary of Recommended Samples
NAS Alameda Parcel 49

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
49-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Lube oil	TPH, SVOCs	Modified EPA 8015, CLP RAS
49-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Lube oil	TPH, SVOCs	Modified EPA 8015, CLP RAS
49-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Lube oil	TPH, SVOCs	Modified EPA 8015, CLP RAS
49-4-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Lube oil	TPH, SVOCs	Modified EPA 8015, CLP RAS
49-5-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Lube oil	TPH, SVOCs	Modified EPA 8015, CLP RAS
49-6-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Lube oil	TPH, SVOCs	Modified EPA 8015, CLP RAS
49-7-3-S-V-DDMMYY	3.0'	Subsurface	Soil	Target Area 1	Solvents	TPH, VOCs, SVOCs	Modified EPA 8015, CLP RAS
49-8-3-S-V-DDMMYY	3.0'	Subsurface	Soil	Target Area 1	Solvents	TPH, VOCs, SVOCs	Modified EPA 8015, CLP RAS
49-9-3-S-V-DDMMYY	3.0'	Subsurface	Soil	Target Area 1	Solvents	TPH, VOCs, SVOCs	Modified EPA 8015, CLP RAS
49-10-3-S-V-DDMMYY	3.0'	Subsurface	Soil	Target Area 1	Solvents	TPH, VOCs, SVOCs	Modified EPA 8015, CLP RAS
49-11-3-S-V-DDMMYY	3.0'	Subsurface	Soil	Target Area 1	Solvents	TPH, VOCs, SVOCs	Modified EPA 8015, CLP RAS
49-12-3-S-V-DDMMYY	3.0'	Subsurface	Soil	Target Area 1	Solvents	TPH, VOCs, SVOCs	Modified EPA 8015, CLP RAS
49-13-3-S-V-DDMMYY	3.0'	Subsurface	Soil	Target Area 1	Solvents	TPH, VOCs, SVOCs	Modified EPA 8015, CLP RAS
49-14-3-S-V-DDMMYY	3.0'	Subsurface	Soil	Target Area 1	Solvents	TPH, VOCs, SVOCs	Modified EPA 8015, CLP RAS
49-15-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Fuels, Lube oil	TPH	Modified EPA 8015
49-16-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Fuels, Lube oil	TPH	Modified EPA 8015
49-17-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, CLP RAS, ICAP SCAN
49-18-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, CLP RAS, ICAP SCAN

of the parcels surrounding Parcel 54 are used for support facilities for Building 5. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 10.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Building 614 and 405) cover approximately five percent of the parcel. The remaining 95 percent is open space. A blast fence is present south and west of Building 405. The parcel area is presently in use for airport maintenance support activities and paint storage. Available documents do not indicate that any buildings or structures were formerly located on this parcel. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-49-1.

Parcel 49 shares its western boundary with an Installation Restoration (IR) Program site (IR Site 5 - Building 5). Another IR site (IR Site 10A - Building 400) is located approximately 300 feet southeast of Parcel 49. No previous investigations have been conducted at Parcel 49, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and building are described in detail below.

Buildings 405

Building 405 was constructed in 1958 and has always been used for ground support and equipment rework (Figure 6-49-1). This one-story building is constructed of steel, covers 5,800 square feet, and is in fair condition. The space occupied by Building 405 was formerly open space used for aircraft parking. Staining related to this activity is evident in historical aerial photographs. The exterior building area is used as a non-chemical shipping area. Utilities located within and immediately surrounding Building 405 include underground sanitary sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines.

EBS information indicates that trichlorofluoroethane, tricresyl phosphate, petroleum products, solvents, and nonchlorinated organics are stored Building 405 directly on the concrete floor without secondary containment. No more than 2,000 gallons of these chemicals are stored in the building. Several portable dispensing carts with absorbent underneath them were observed during the site inspection. Hazardous wastes including halogenated organics, nonhalogenated organics, petroleum products, fuel, paint, and asbestos are documented to have been stored in the building in total quantities up to 1,700 gallons. This quantity of waste was not observed at the time of the site inspection.

Numerous stains were noted on the floor, and appear to be related to storage of lubrication and hydraulic oils in this building. The staining was visible on concrete that appeared to be in good condition. Drip pans and absorbent materials are used to catch and clean up spills when they occur. Approximately 50 percent of the building floor is affected by the scattered oil spills. A trench located north of the shop at the west end of the building is currently filled. Heavy stains were visible in the trench. An electric-powered winch located 100 feet north of the shop has extensive staining below and around it. Extensive staining was observed in the in-flight fueling repair shop area located on the north side of Building 405. This area is addressed by Target Area 1.

According to available documents, Building 405 is not equipped with a heating-ventilation-air conditioning (HVAC) system. Peeling paint was observed on the walls and ceiling. No incidents such as fires, mishaps, or flooding are documented to have occurred within or immediately surrounding Building 405.

Building 614

Building 614 was constructed in 1981 and has always served as a paint storage building (Figure 6-49-1). Building 614 is constructed entirely of corrugated steel and concrete floors. This building covers approximately 1,000 square feet and is in moderately good condition. The space occupied by Building 614 was formerly open space used for aircraft storage.

Utilities located within and immediately surrounding Building 614 include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines. A drain that runs east-west along the centerline of the building has flakes of paint in the bottom. This drain is part of the industrial sewer system, and will be addressed as part of the underground lines investigation.

Less than 3,000 gallons of polyurethane and urethane coating paints are stored in this building. A general inventory list states that up to 150 gallons of paints, organic compounds, corrosives, and petroleum products are also stored in Building 614. These chemicals were not observed during the site inspection, except as noted above. Site reviewers noted that the building is not an application or use area, but only a storehouse.

During the site inspection, a white stain was noted along the base of the northwest wall. A darkish brown stain is located near the center of the building on the northwest side. This stain is approximately four feet in diameter. Since there is concrete flooring in this building, and these stains appear to be relatively minor, no sampling is recommended in this PEP for the stained areas. Because of the current and former use of Building 614, Cal-EPA has requested that soil samples be collected adjacent to Building 614 and analyzed for TPH, VOCs, SVOCs, and metals.

According to available documents, Building 614 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No incidents such as fires, mishaps, or flooding are documented to have occurred within or immediately surrounding Building 614.

Building 689

EBS information indicates that Building 689 is Industrial Waste Pump Station 4. No other information regarding this structure is available.

Open Space I

Open Space I is defined by the fenced area outside of Building 614. This space covers approximately 30 percent of the parcel. Open Space I is and has been used as a storage area. The ground surface of Open Space I is paved entirely with asphalt; site inspectors noted that the area appears to have been paved several times.

EBS information indicates that activities conducted within this open space include extensive chemical storage. Solvents, paint, paint thinners, petroleum/lubricating oils, and naphtha are documented to have been stored in Open Space I. These chemicals are contained in several hundred 55-gallon drums. A few of the drums are stacked two high. An oily odor was noted in the area during the site inspection, although the odor could have originated from Building 405 or Open Space II. There is secondary containment in this area in the form of an eight-inch asphalt berm surrounding the fenced area. No signs of

chemical releases were noted during the site inspection of Open Space I, except immediately beside Building 405. The area immediately beside Building 405 is being addressed as part of Target Area 1. Since no sign of chemical release was noted in any other area of Open Space I and because the area is paved and has secondary containment, no other sampling is proposed for this open space.

Open Space II

Open Space II is defined as the remainder of the open space of the parcel. This space covers approximately 65 percent of the parcel. Open Space II contains two GAP sites (11 and 27). The open space is completely paved with concrete (30 percent) and asphalt (70 percent). The pavement is in good condition. Structures located within the open space include two aboveground storage tanks and several abandoned steel storage lockers containing oily rags and batteries. Utilities located within and immediately surrounding Open Spaces I and II include underground sanitary sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines.

EBS information indicates that activities currently conducted within this open space include aircraft maintenance equipment and vehicle parking. Historically, airplane storage and parking was also conducted on the parcel. Staining associated with this activity was noted on aerial photographs from the 1950s.

Two aboveground storage tanks are located in this open space. One aboveground storage tank, located 100 feet north of Building 405, contains 1,500 gallons of lubrication oil. There is no containment berm, and the area under and surrounding the tank is heavily stained. The second tank, located north of Building 405, is a steel tank with a capacity of 1,500 gallons. Lubrication oil is stored in this tank. There is no containment and the concrete pad is heavily stained. The staining in these areas is addressed by Target Area 1.

Staining was noted at GAP Site 11, located northeast of Building 405. This staining is being addressed by Target Area 2. A combined total of approximately 500 gallons of waste materials are stored at the GAP sites for no more than 60 days. A large stain was noted outside Building 405, on the west side. The stain appeared to be covered by leakage of hydraulic fluids from a portable hydraulic tank and pump that services the shop in Building 405. The resulting stain was ten feet by five feet. This area is part of Target Area 1.

No incidents such as fires, mishaps, or crashes are documented to have occurred within Open Space I or II.

Underground Storage Tanks

One active underground storage tank is present in the northeast portion of this parcel (Tank 614-1). The existence of this tank was identified from the EBS. The installation date and type of material currently stored in this 20,000-gallon tank are unknown. This tank passed 1987 precision testing.

Parcel Boundary Conditions

Parcel 49 is bounded by Parcels 30, 48, 50, 51, and 54. Activities of concern on these adjacent parcels include aircraft washdown and fueling on Parcels 191 and 32, and aircraft rework on Parcel 54. If the results of any sampling proposed for any of these adjacent parcels indicate that activities on these parcels may have impacted Parcel 49, then additional sampling on Parcel 49 may be appropriate.

No sampling is called for in this PEP in response to the adjacent IR site (IR Site - Building 5). If the continuing investigations at the IR site or other neighboring parcels reveal a cause for concern at Parcel 49, then additional sampling on Parcel 49 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes three RCRA sites (site numbers SWMU/GAP 27, SWMU/GAP 11, and SWMU/Unknown). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, of the three RCRA sites at this parcel, SWMU/GAP 11 requires further investigation, because staining was noted around this site. A brief description of each of the RCRA sites is provided below. The sampling proposed for GAP 11 is described in the Target Areas and Compounds of Concern subsection (Target Area 2).

Site SWMU/GAP 11 is located in Building 405, shop 93532. It is unknown whether any chemicals have been released from this site. Site SWMU/GAP 11 is comprised of 55-gallon drums, aerosol cans, and 30-gallon drums. The chemicals of concern associated with this site include waste hydraulic oil, 1010 oil, batteries, lubrication oil, asbestos, Freon, JP-5, and aerosol paint. Staining was noted at this site, and is addressed by Target Area 2. This site is currently active.

Site SWMU/GAP 27 is located in Building 405, shop 93531. It is unknown whether any chemicals were released from this site. Site SWMU/GAP 27 consists of two 55-gallon drums of hydraulic oil. No staining was noted at this site, and no sampling is specifically proposed for this site. This site is currently active.

Site SWMU/Unknown is comprised of the hazardous materials delivery areas at NADEP Buildings 614, 615, and 616. Known releases of nitric acid, oil and fuel, zyglow penetrant, poly paint, and PD-680 (50 gallons, 250 gallons, unknown quantity, 10 gallons, and 10 gallons, respectively) have occurred at the site. Because this site is spread over three non-contiguous parcels, it cannot be determined from the available documents whether any of these releases occurred on Parcel 49. Since only minor staining was noted on concrete flooring in Building 614, no investigation of this site is believed to be necessary on Parcel 49. Site SWMU/Unknown has a storage capacity of 17,000 cubic feet. This site is currently active.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 49, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-49-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, industrial hygiene concerns, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 405. The one-time compliance program will determine whether further sampling or

TABLE 6-49-2

Summary of Data Gaps
NAS Alameda Parcel 49

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) is located adjacent to Parcel 49, and IR Site 10A (Building 400) is located approximately 300 feet southeast of Parcel 49. Additional subsurface investigation relative to IR Sites 5 and 10A is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1 (Building 405). • Target Area 2 (SWMU/GAP 11). • Target Area 3 (Building 614 Open Space).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-49-2

Summary of Data Gaps
NAS Alameda Parcel 49

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• One active UST currently exists at Parcel 49 (Tank 614-1). Future actions for this tank are unknown.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, industrial sewer, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Abandoned fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-49-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 49 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target areas. This parcel contains three parcel-specific target areas. The nature and locations of the parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-49-2.

- Target Area 1 (Building 405): Target Area 1 includes the northern portion of Building 405, the open space area immediately north of the building, and the stained area adjacent to Building 405 in Open Space I. The soils in this area may have been impacted by use of fuels, solvents, and lubricating oils in this area, as evidenced by the heavy staining. Specific areas of concern within the target area include the staining under the winch, in the interior and exterior of the building, in the trench near the winch, in the shop area proper, and adjacent to the ASTs that serve the shop. The compounds of concern are TPH, specifically lubrication oil, hydraulic fluid, and fuels, and VOCs. This target area covers approximately 4,000 square feet and is classified as having a potential likelihood of impacts. Six surface soil samples and eight subsurface Geoprobe soil samples will be collected in this target area. These samples are listed in Table 6-49-1.

- Target Area 2 (SWMU/GAP 11): The soil beneath SWMU/GAP 11 in Open Space II may have been impacted by spills or leakage of used petroleum products, as evidenced by staining in this area. This target area covers approximately 400 square feet and has been classified as having a potential likelihood of impacts. Lubrication oil, hydraulic fluid, and diesel-range fuels are the compounds of concern in this target area. Two surface soil samples will be collected in this target area, and are listed in Table 6-49-1.

- Target Area 3 (Building 614 Open Space): The soil surrounding Building 614 may have been impacted by spills or leakage of

petroleum products or paint-related hazardous materials associated with Building 614 and the historical use of the open space (i.e., aircraft storage). This target area covers approximately 1,000 square feet and has been classified as having a potential likelihood of impacts. Two subsurface soil samples will be collected in this target area. The samples are listed in Table 6-49-1.

Screening-Level Investigation

Two screening-level techniques will be employed to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14).

Table 6-49-1 summarizes screening-level sampling and analysis for the target areas on Parcel 49. Eight soil vapor samples and eight surface soil samples will be collected from the locations shown on Figure 6-49-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Surface soil and subsurface soil sampling locations shown on Figure 6-49-1 are approximate. The samples should be located in the areas with the most significant staining. If no staining is evident, then the samples should be distributed evenly over the target area. One sample should be collected from the sludge in the drain in Building 405.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-54

PARCEL 54 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 54 at NAS Alameda (Figure 6-54-1). The parcel, which is located in the central portion of the base, is approximately 21 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains 29 active RCRA sites, of which one requires further investigation. Six parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface Geoprobe soil sampling. Table 6-54-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 54, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 54, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 46, 47, 48, 49, 55, 56, 57, 58, and 59. This parcel zone has been designated the Building 5 Heavy Industrial Zone (Zone 10). The Building 5 Heavy Industrial Zone encompasses the parcels that surround and encompass the aircraft rework and maintenance facilities located on Parcel 54. Many

TABLE 6-54-1

Summary of Recommended Samples
NAS Alameda Parcel 54

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
54-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Waste Oil, Metals	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	SVOCs	SVOCs	CLP RAS
54-2-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Waste Oil, Metals	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-2-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	SVOCs, VOCs	SVOCs, VOCs	CLP RAS
54-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Waste Oil, Metals	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	SVOCs	SVOCs	CLP RAS
54-4-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Waste Oil, Metals	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-4-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	SVOCs, VOCs	SVOCs, VOCs	CLP RAS
54-5-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Waste Oil, Metals	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-5-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	SVOCs	SVOCs	CLP RAS
54-6-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Waste Oil, Metals	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-6-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	SVOCs, VOCs	SVOCs, VOCs	CLP RAS
54-7-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Waste Oil, Metals	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-7-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	SVOCs	SVOCs	CLP RAS
54-8-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-8-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	Paints, Oils, Solvents	SVOCs, VOCs	CLP RAS
54-9-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-9-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	Paints, Oils, Solvents	SVOCs, VOCs	CLP RAS
54-10-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-10-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	Paints, Oils, Solvents	SVOCs, VOCs	CLP RAS
54-11-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-11-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Paints, Solvents	SVOCs	CLP RAS
54-12-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-12-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Paints, Solvents	SVOCs	CLP RAS
54-13-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-13-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Paints, Solvents	SVOCs	CLP RAS
54-14-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-14-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Paints, Solvents	SVOCs	CLP RAS
54-15-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-15-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Paints, Solvents	SVOCs	CLP RAS

TABLE 6-54-1

Summary of Recommended Samples
NAS Alameda Parcel 54

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
54-16-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-16-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Paints, Solvents	SVOCs	CLP RAS
54-17-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-17-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	Paints, Oils, Solvents	SVOCs, VOCs	CLP RAS
54-18-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-18-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	Paints, Oils, Solvents	SVOCs, VOCs	CLP RAS
54-19-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-19-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	Paints, Oils, Solvents	SVOCs, VOCs	CLP RAS
54-20-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-20-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Paints, Solvents	SVOCs	CLP RAS
54-21-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-21-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Paints, Solvents	SVOCs	CLP RAS
54-22-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-22-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Paints, Solvents	SVOCs	CLP RAS
54-23-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-23-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Paints, Solvents	SVOCs	CLP RAS
54-24-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 4	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-24-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 4	Paints, Oils, Solvents	SVOCs, VOCs	CLP RAS
54-25-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 4	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-25-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 4	Paints, Oils, Solvents	SVOCs, VOCs	CLP RAS
54-26-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 4	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-26-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 4	Paints, Oils, Solvents	SVOCs, VOCs	CLP RAS
54-27-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-27-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	Paints, Solvents	SVOCs	CLP RAS
54-28-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-28-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	Paints, Solvents	SVOCs	CLP RAS
54-29-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 4	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, CLP RAS, ICAP SCAN

TABLE 6-54-1

Summary of Recommended Samples
NAS Alameda Parcel 54

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
54-30-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 5	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-30-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 5	Paints, Solvents, VOCs, SVOCs	VOCs, SVOCs	CLP RAS
54-30-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 5	Acids, Bases	Reactives	Chapter 7, SW846
54-31-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 5	Oils, Metal Shavings	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-31-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 5	Paints, Solvents, VOCs, SVOCs	VOCs, SVOCs	CLP RAS
54-31-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 5	Acids, Bases	Reactives	Chapter 7, SW846
54-32-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 6	Waste Oil	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-32-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 6	Paints, Solvents	SVOCs	CLP RAS
54-33-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 6	Waste Oil	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-33-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 6	Paints, Solvents	SVOCs	CLP RAS
54-34-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 6	Waste Oil	TPH, Metals	Modified EPA 8015, ICAP SCAN
54-34-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 6	Paints, Solvents	SVOCs	CLP RAS

of the parcels surrounding Parcel 54 are used for support facilities for Building 5. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 10.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Buildings 5 and 347) cover approximately 75 percent of the parcel. The remaining 25 percent is open space. The parcel area is presently in use as an aircraft overhaul and rework site. Two buildings were formerly located on the parcel and have since been demolished (Building 193 - Administrative Office; and Building 560 - Electrical Substation #5). Underground fuel, steam, and sewer lines are present on this parcel and are shown on Figure 6-54-1.

Parcel 54 is an IR site (IR Site 5 - Building 5, Aircraft Rework Facility). Previous investigations have been conducted at Parcel 54 and specific data regarding potential chemical occurrence are available.

In Volume 1 of the *Data Summary Report, RI/FS Phases 2B and 3, Final,* dated October 27, 1992 and prepared by PRC Environmental Management, Inc., and Montgomery Watson for the Navy Comprehensive Long-Term Environmental Action Navy (CLEAN) program, soil analytical results for thirteen borings drilled in Parcel 54 are listed. Monitoring wells were installed in five of the borings (Figure 6-54-1). This investigation was primarily directed at the open space around Building 5.

Fifty-eight soil samples, five of which were duplicates, were analyzed for VOCs, SVOCs, and metals. Only one sample contained a VOC concentration that exceeded the EPA Preliminary Remedial Goals (PRGs) for either the unrestricted use or industrial scenarios. Vinyl chloride was detected at a concentration of 80 µg/kg, which exceeds both the unrestricted use PRG (0.0052 mg/kg) and the industrial PRG (0.011 mg/kg) for vinyl chloride. The SVOCs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene, and bis(2-chloroethyl)ether were detected at concentrations that exceeded the PRGs. Three samples contained benzo(a)anthracene at concentrations that exceeded the unrestricted use PRG of 0.61 mg/kg. Nine samples contained benzo(a)pyrene at levels above the

unrestricted use PRG (0.061 mg/kg); eight of these exceeded the industrial PRG (0.26 mg/kg). Five samples contained benzo(b)fluoranthene at concentrations that exceeded the unrestricted use PRG (0.61 mg/kg); two of these were above the industrial PRG (2.6 mg/kg). Benzo(k)fluoranthene was detected in only one sample at a concentration that exceeded the unrestricted use PRG of 6.1 mg/kg. Dibenzo(a,h)anthracene was detected in two samples at concentrations that exceeded the unrestricted use PRG of 0.061 mg/kg. Four samples contained indeno(1,2,3-cd)pyrene at levels above the unrestricted use PRG (0.61 mg/kg); two of these exceeded the industrial PRG of 2.6 mg/kg. Bis(2-chloroethyl)ether was detected in only one sample at a level exceeding both the unrestricted use PRG (0.074 mg/kg) and the industrial PRG (0.17 mg/kg). PRGs for chloroethane, 2-methylnaphthalene, acenaphthylene, benzo(ghi)perylene, phenanthrene are not available.

Arsenic, beryllium, and manganese were detected at concentrations that exceeded the PRGs. The arsenic levels in 54 of the samples were above the arsenic unrestricted use PRG of 0.97 mg/kg; ten of these exceeded the industrial PRG of 3.3 mg/kg. Beryllium was detected in 25 of the soil samples at concentrations greater than the beryllium unrestricted use PRG of 0.4 mg/kg. Only one sample was greater than the industrial PRG of 1.3 mg/kg. Manganese was detected in only one sample at a level exceeding the unrestricted use PRG of 390 mg/kg. PRGs for calcium, cobalt, iron, magnesium, potassium, sodium, and thallium are not available.

Groundwater samples were analyzed for VOCs, SVOCs, pesticides/PCBs, and metals. VOCs were detected in samples collected from four of the monitoring wells, SVOCs were detected in three wells, metals were detected in all wells, and pesticides/PCBs were not detected in any of the groundwater samples collected. Arsenic, manganese, 1,1-DCE, 1,2-DCE, TCE, vinyl chloride, 1,4-dichlorobenzene, and bis(2-chloroethyl)ether were the only compounds detected or estimated at concentrations exceeding MCLs in groundwater.

Based on this study, additional investigation was proposed by PRC and Montgomery Watson (Figure 6-54-1). Some follow-up sampling has already taken place in the abandoned plating shop, selective plating shop, battery shop, wastewater treatment plant, and the former hazardous waste storage area, which is in Parcel 57. These results will be discussed in the shop-specific information below.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials (ACM) on parcels will be addressed in other

sampling programs and are not considered in this PEP. It should be noted, however, that encapsulation and removal of ACM has been documented in Building 5. Ten PCB-containing transformers are documented to have existed on this parcel in 1986 and 1987. Public Works Center (PWC) information indicates that base wide removal of PCB-containing fluids from oil-filled devices has been accomplished.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 5

Building 5 was constructed in 1940 and has served as an aircraft overhaul and rework facility (Figure 6-54-1). This one-story building covers approximately 910,000 square feet and is in fair condition. Building 5 is steel-framed with concrete and pre-fabricated paneling. It has a concrete floor and a steel-framed, built-up roof. Building 5 was one of the original facilities built on the newly filled Naval Air Station. The northern part of Building 5 is also known as Building 5A and was built between 1943 and 1946. It is similar in construction to Building 5.

Utilities located within and immediately surrounding Building 5 include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines. Air permits for degreasers, solvent cleaning, bagging/packaging, miscellaneous chemicals, spray booths, furnaces, miscellaneous minerals, dryers, abrasive blasting, waste solvent AST, magnetic particle inspection machine, asbestos removal, cleaning dip tank, and halon recovery/recycling were issued for this building in 1993.

Information collected during the EBS indicates that activities conducted within this building include aircraft and component rework, known as "D-level (depot-level) maintenance." It appears that Building 5 has been used for this and similar purposes since its construction. In general, various metal works, painting, plating, and support equipment shops are located in the southern half of the building. The physical configuration of shops has changed periodically since 1940. The northern half, Building 5A, is used for aircraft electrical, structural, and mechanical maintenance, Ground Support Equipment (GSE) repair and maintenance, material storage, hazardous waste recycling, and administrative office space.

In the past, the northwest and northeast corners of Building 5A were used as aircraft painting bays for approximately 30 years. They are currently used for material storage in the northwest area and aircraft maintenance and chemical recycling in the northeast area. A 10- to 15-

foot deep trench system used as downdraft ventilation with recirculating water to capture paint vapors is located in each bay. Also in the northwest corner, a calibration lab tests various equipment and has been in this location for approximately the past 40 years. A mercury still, marked off-limits due to mercury contamination, is situated on the floor above the lab with an entrance via a men's restroom. The area currently used as a staging area for program support equipment along the northern wall of Building 5A was previously the site of light aircraft maintenance. A recycling and disposal collection area for hazardous waste is also located along the north wall. A recycling system that distills waste solvents and fuels to remove impurities has been in place for approximately one year in the northeast area of Building 5A. A battery shop is also situated in this area and services, stores, and rebuilds batteries for GSE equipment and aircraft. In the 1950s, waste acid was dumped into the shop sink; the drainage line routing is unknown.

As part of follow-up sampling for IR Site 5, the battery shop was identified for detailed investigation and two borings were drilled at this site; a monitoring well was installed in one of these borings (Figure 6-54-1). Results were presented in the *Data Summary Report, Background and Tidal Influence Studies and Additional Work at Sites 4 and 5, Draft Final,* dated August 4, 1992 by PRC and Montgomery Watson. Five soil samples were collected and analyzed for metals, hexavalent chromium, cyanide, pH, VOCs, and SVOCs. None of the VOC and SVOC concentrations reported exceeded either the unrestricted use or industrial PRGs. All five samples contained arsenic at levels above the arsenic unrestricted use PRG of 0.32 mg/kg, while three samples showed hexavalent chromium at levels above the unrestricted use PRG of 30 mg/kg. None of the metals detected were above background levels as computed by PRC and Montgomery Watson. An aircraft maintenance line running east-west through the center of Building 5A, an area known as the ARIES II Modification Area, sequences aircraft through different stages of rework. Although many metal working shops once occupied this area, presently only one small metal shop in the center of the line remains. For 30 years, the GSE shop has provided repair and maintenance for miscellaneous small equipment.

The mezzanine level of Building 5A includes three distinct areas. Two are located in the northwest and northeast corners of the building each, while the third area is found along the south edge of Building 5A adjacent to Building 5. These spaces are used primarily for office space. Building 5A also has three submezzanine areas which are also used as office space (Figure 6-54-2).

Processes historically taking place in Building 5A include paint mixing, acid mixing, corrosion control, metal working, machining, electrical rewiring, engine replacement, aircraft structural modifications, and paint trench cleaning. These industrial processes typically involve the use or generation of chemicals and wastes, including lubricating oil, hydraulic fluid, methyl ethyl ketone (MEK), zinc chromate, paint, sulfuric acid, potassium hydroxide, and heavy metals.

Approximately 120,000 gallons of nonhalogenated organics, petroleum products, metals, halogenated organics, paint, and corrosives are documented to have been stored and used in Building 5 during 1993. The references did not differentiate quantities between Building 5 and Building 5A. During the site inspection, chemicals stored and used in Building 5A were observed to include MEK, plastic filler, hydraulic fluid, lube oil, cylinder oil, zinc chromate sealant, grease, potassium hydroxide, boric acid, sulfuric acid, isopropyl alcohol, resin coating, paint, degreasers, antifreeze, brake fluid, glycols, acetone, and aliphatic naphtha. The total quantity observed was approximately 1,100 gallons. Virtually all chemicals were stored in hazardous materials lockers.

Disposal of used chemicals is presently accomplished by collecting the wastes at one of the 17 active Generator Accumulation Point (GAP) sites (GAP 4, GAP 5, GAP 8, GAP 12, GAP 13, GAP 14, GAP 16, GAP 18, GAP 20, GAP 22, GAP 23, GAP 25, GAP 29, GAP 30, GAP 31 and GAP 70A). In 1993, approximately 13,000 gallons of hazardous wastes, including paint, petroleum products, fuel, nonhalogenated organics, halogenated organics, corrosives, lead, beryllium, mercury, and metals were collected at Building 5. Again, no distinction was made in the references between Building 5 and Building 5A.

No spills were noted during document review in Building 5A. Review of site inspection data and interviews with former employees indicate that undocumented spills may have occurred in the ARIES II Mod area and in the former paint bays in the northwest and northeast corners of the building. The paint stains in the former paint bays are extensive with stains covering approximately 30 percent of the concrete floor. The staining in the ARIES II Mod area appears to be light to moderate in intensity and seem to have involved a minor quantity of released material. The floor is painted concrete in fair to good condition and is cleaned periodically. Each stain covers an area averaging approximately two square feet. This staining is addressed by Target Area 1. Scattered, light to medium intensity staining is also evident in the GSE portion of Building 5A, the southwest corner. This staining is relatively minor, and no sampling is called for in this PEP in response to this staining.

In Building 5, the industrial processes include plating, metal manufacturing, milling, numerical control (NC) machines, heat treating, welding, non-destructive investigation (NDI), rubber manufacturing, painting, film developing, tube bending, GSE maintenance, x-ray, aircraft component rework, and blasting. Shop locations have changed over the lifetime of the building, but the overall type of activity, aircraft overhaul and rework, occurring in Building 5 has not changed. The shop configuration for Building 5 as of May 1994 is shown on Figure 6-54-1.

The heat treat, pattern, foundry, rubber manufacturing, X-ray, shot peen, metal manufacturing, and welding shops are situated in the southeast area of the building. The heat treat shop uses a degreaser, oil quench, and water quench tanks in its processes. This shop has been on this site since 1976. Prior to that time, this area was a fuel tank cleaning and repair area. The pattern shop has been in this location for over 40 years. The foundry manufactures molds for various aircraft parts. Large hydraulic presses and a lead melting furnace are used in this shop. The rubber shop has been present in this location since 1950 when it also serviced oxygen tanks. The rubber shop repairs fuel cells that line an aircraft's fuel tanks. An interview with a current shop employee indicates that the washing sink in this shop is used to rinse empty ketone containers and clean brushes. This drains to a sump under the floor grating and an "Industrial Waste Gravity Sewer" drawing for Building 5 dated 3 June 1989 shows that this sump drains to the stormwater sewer system. An oily sheen was noted on the surface of the water in the sump. The X-ray room is lead-lined and uses a two-stage system to recover silver from photographic fixer. Since 1974, the shot peen shop has employed steel and glass shot to relieve stress in metals. The metal manufacturing area was an aircraft wing rework shop for 25 years (until last year). Current processes included sheet metal shaping, cutting, punching, and sanding. The welding shop employs acetylene torches to weld various metal aircraft parts.

The industrial processes occurring in these shops involve the use or generation of chemicals and wastes, including bases, nonchlorinated hydrocarbons, adhesives, lead, alcohols, ketones, solvents, turpentine, sealants, trichloroethane, silver, and hydraulic fluid. Approximately 3,300 gallons of trichloroethane, oils, methylene glycol, kerosene, hydraulic fluid, MEK, white casting plaster, aerosol paints, epoxy resins, aliphatic polyurethane coating, alcohols, and nonchlorinated hydrocarbons were observed to be stored in these shop areas, some on the concrete floor without secondary containment. Due to a shrinking depot workload in the past few years, the chemical usage in these shops, and for all the shops in this building in general, may have been

significantly greater prior to 1985. The foundry discharged water from use with the molten lead furnace into a floor drain; the "Industrial Waste Gravity Sewer" drawing referenced above also shows this drain leading to the storm sewer system. The fixer solution produced by the X-ray shop is processed through the silver recovery system prior to discharge to the sanitary sewer. The floor drains in the metal manufacturing area were observed to be sealed off. Previous disposal methods related to the other industrial processes are not known; however, documents show that from 1943 to 1975 all industrial wastewater generated by NADEP facilities, then known as Naval Air Rework Facility (NARF), was discharged into the Seaplane Lagoon and Oakland Estuary via the industrial wastewater sewer system without any treatment. An average flow of 150,000 gallons per day has been estimated.

No spills in Building 5 were noted during document review. Review of site inspection data indicates that undocumented spills may have occurred in the above shops. The resultant staining appears to be moderate in intensity and to have involved a minor but continuous quantity of released material. In general, stains occur next to chemical storage areas and machinery. The staining in the shops described above are addressed by Target Area 2.

The northeast area of Building 5 houses shops used for rigging, electrical work, constant speed drive (CSD) and cooling unit overhaul, machining, drilling, milling, and heavy gauge metal work. Lathes, solvent tanks, steam cleaners, parts washers, oil testing units, a machine coolant recycling/recovery unit, and storage areas are found in this general area. These industrial processes typically involve the use or generation of chemicals and wastes, including metal shavings, alkaline batteries, coolant, trichloroethane, hydraulic fluid, and cutting oils. During the site inspection, approximately 1,400 gallons of corrosives, halogenated hydrocarbons, light and heavy organics, machine coolant, and aerosols were observed to be stored in hazardous materials lockers and in 55-gallon drums. Presently, wastes are disposed of at GAP sites. Floor drains in the CSD and cooling unit shops receive wastewater from flow test units and steam cleaners. It is unknown where floor drains lead.

Extensive staining was noted during the site inspection for the shops in the northeast area of Building 5. The concrete floor in this area has been overlain with wood blocks. These blocks help to absorb machinery vibration and cushion the impact of dropped components. Approximately 80 percent, or 49,000 square feet, of the wood blocks exhibited dark, heavy staining. The floor in the rigging shop was not covered by the wood blocks and was noted to be very heavily stained

with an oily residue. Stains, measuring approximately three square feet each, were noted in the CSD shop around floor drains. The staining in these shops are addressed by Target Area 3.

The south-central portion of Building 5 houses the NDI shop, abandoned plating shop, selective plating shop, cleaning shop, blasting shop, and the abandoned paint stripping bay. The NDI shop uses dip tanks, special dyes, heating processes, and magnetic devices to detect fractures and flaws in aircraft components. Closed in June 1990, the plating shop featured many tanks for cleaning, plating, and coating components, including tanks containing nickel, sulfuric acid, alkaline descaling and deoxidizing, sodium hydroxide, copper strike, ammonium nitrate, chromic acid, alodine, nitric acid, sodium dichromate, sodium cyanide, bronze, aluminum cleaner, aluminum etching, and 1,1,1-trichloroethane. Similarly, the selective plating shop processed smaller components for plating by hand and has been abandoned since October 1993. All equipment has been relocated to Building 32.

In accordance with the IR program, follow-up sampling in the plating and selective plating shops was accomplished by PRC and Montgomery Watson and reported in the *Data Summary Report, Background and Tidal Influence Studies and Additional Work at Sites 4 and 5, Draft Final*, dated August 4, 1992 and in the *Letter Report, Additional Site Investigation, Site 5 Plating Shop*, dated November 1, 1993 (Figure 6-54-4). Twenty-three soil samples and two duplicates were collected from ten soil borings in the plating shop and analyzed for metals, hexavalent chromium, cyanide, pH, and VOCs. Ten grab groundwater samples and two duplicates were analyzed for metals, hexavalent chromium, cyanide, VOCs, and total dissolved solids (TDS). Four scrape samples and eight wipe samples were collected from the interior of the plating shop and analyzed for metals, hexavalent chromium, and cyanide.

None of the VOC concentrations in the soil samples exceeded either the unrestricted use or industrial PRGs. The metals analysis revealed that arsenic, beryllium, cadmium, hexavalent chromium, and manganese were detected at levels that exceeded PRGs. All but four of the samples contained arsenic at levels that exceeded the unrestricted use PRG of 0.32 mg/kg. Two samples were greater than the arsenic industrial PRG of 2.0 mg/kg. Beryllium exceeded the unrestricted use PRG (0.14 mg/kg) in four samples. Nine samples had concentrations of cadmium in levels greater than the unrestricted use PRG (9 mg/kg); one sample exceeded the industrial PRG of 850 mg/kg. Hexavalent chromium was detected in five samples at levels exceeded the unrestricted use PRG of 0.2 mg/kg. One sample contained manganese

above the unrestricted use PRG of 380 mg/kg. Cyanide was present in 21 of the samples, ranging from 0.1 mg/kg to 27.2 mg/kg.

For the grab groundwater samples, background concentrations (as computed by PRC and Montgomery Watson) for aluminum, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, vanadium, and zinc were exceeded in many of the samples. Cyanide was detected in all samples, ranging from 42.6 µg/L to 5,150 µg/L.

In the scrape samples, antimony, beryllium, cadmium, total chromium, hexavalent chromium, lead, and nickel were detected at concentrations that exceeded PRGs. One sample contained antimony at a level greater than the unrestricted use PRG of 31 mg/kg. Two samples contained beryllium at concentrations that exceeded both the unrestricted use PRG (0.14 mg/kg) and industrial PRG (1.1 mg/kg). All samples contained cadmium at levels above the unrestricted use PRG of 9 mg/kg; three were above the industrial PRG of 850 mg/kg. Total chromium exceeded the unrestricted use PRG (210 mg/kg) in all samples; three samples had levels above the industrial PRG of 1,600 mg/kg. Hexavalent chromium was found in one sample to be 2,940 mg/kg but was qualified as an estimate because interference from other metals was thought to have occurred.[1] Lead was found to exceed the unrestricted use PRG of 130 mg/kg in three samples; the industrial PRG is 1,000 mg/kg. One sample contained nickel at a level above the unrestricted use PRG of 150 mg/kg. In the wipe samples, aluminum ranged from 5,700 to 83,500 µg/ft^2. Arsenic ranged from 0.88 to 353 µg/ft^2. Cadmium ranged from 23.2 to 5,210 µg/ft^2. Total chromium ranged from 122 to 70,000 µg/ft^2. Iron ranged from 689 to 143,000 µg/ft^2. Zinc ranged from 4,280 to 22,410 µg/ft^2. Cyanide ranged from 1,200 to 541,000 µg/ft^2. Other metals were present as well. The highest concentrations of metals found in all scrape and wipe samples occurred in a sample obtained from the overhead duct work in the south-central area of the shop.

In the selective plating shop, a single soil sample was collected and analyzed for VOCs, metals, and cyanide. Arsenic, beryllium, and cadmium were detected at concentrations that exceeded unrestricted use PRGs of 0.32 mg/kg, 0.14 mg/kg, and 9 mg/kg, respectively. Cyanide was not detected.

The cleaning shop has been in its current location for approximately 30 years. Processes conducted in this shop include beryllium brake

[1] This level of hexavalent chromium is physically impossible. This value indicates that hexavalent chromium was present in the sample at high concentrations.

cleaning, rust removing, part cleaning, and the use of degreasers, steam cleaners, and hot stripper tanks. The blasting shop includes a sand blasting room and bead blasting machines. The abandoned paint stripping bay, also known as the cleaner-brightener bay, was used for stripping and steam cleaning; it is presently used for temporary staging and storage. These types of processes typically involve the use or generation of chemicals and wastes, including oils, emulsifiers, dyes, degreasers, alcohols, and blasting grit. Approximately 1,100 gallons of penetrant, emulsifier, magniflux oil, 1,1,1-trichloroethane, ethanoamine, methylene chloride, and MEK were observed to be stored and used in this area of Building 5. Although detailed disposal practices are not known, wastes and spillage from the plating shop, cleaning room and paint stripping bay are known to have been discharged without treatment into the industrial wastewater collection system prior to the construction of the Industrial Wastewater Treatment Plant (IWTP) #5 in 1973. Also, anodizing waste from Building 167 was documented to have been discharged to drains in this bay.

No spills were found during document review; site inspection data indicate that undocumented spills may have occurred in these shops, as evidenced by staining. In general, stains were noted on all shop floors. The plating shop is built upon a wooden floor, of which approximately 90 percent (3,400 square feet) is stained. Underneath, a concrete subfloor includes a concrete wall to divide the chromium and cyanide sides of the shop, and two 18-foot deep eductor sumps that pump chromium and cyanide process wastewater separately to IWTP #5. Stains remained on the floor of the selective plating shop even though the shop had been evacuated and cleaned up. Stains in the cleaning shop range from dark, oily-type to lighter stains with powder-like residue. The staining in this shop occurs over the entire concrete floor, approximately 8,500 square feet. A 600-square foot area in front of a hot stripping tank was covered with standing wastewater half an inch deep. An interview with the shop foreman indicates that any generated wastewater which overflows and any spills flow into floor drains and trenches, which lead to IWTP #5. The floor in the paint stripping bay is severely etched and eroded. Continuous, medium intensity staining was observed throughout the bay. These areas have already been sampled and/or have sampling proposed by the IR contractor. Thus, while this area is recognized as an area of concern, it will not be addressed by a target area or sampled as part of this PEP.

The northwest and north-central areas of Building 5 contain the small parts paint shops, inflight refueling shop, landing gear shop, GSE shop, and the cryogenics shop. The small parts paint shop has been in this

location for 35 years. Portable spray gun units, water screen recovery systems, and mixing areas are the major work areas in this shop. The inflight refueling shop was previously located in the foundry in the southeast corner of the building but has been at this site for the past 10 years. Auxiliary fuel tanks are serviced and repaired in this shop. The landing gear area processes include NC machines, Freon cleaning units, hydraulic pressure testing, and beryllium brake repair. The cryogenics shop has been located in the extreme northwest corner of Building 5 for over 30 years. Liquid oxygen and nitrogen equipment are filled and serviced here. Immediately adjacent is the GSE shop, which has been on site for the past 12 years and was formerly a Quality Assurance staging area. It presently contains a small welding shop. The typical chemicals and wastes associated with the above shops include paint, solvents, MEK, alcohols, thinner, primer, beryllium-contaminated personal protection equipment (PPE), absorbent rags, hydraulic fluid, and compressed gases. Approximately 1,400 gallons of trichlorotrifluoroethane, corrosion preventative compound, sealant, lubricant, aerosol paint, and ketone were observed to be stored and used in these shops. Waste fluids, aerosol cans, rags, and other used containers are disposed of at GAP sites in the area. Notable staining was observed only in the cryogenics shop. Light stains were found in chemical storage areas and also scattered throughout the shop floor which is concrete with small cracks. These areas of staining are addressed by Target Area 4.

The aircraft service, production control, warehouse, and planning manufacturing order (PMO) kitting areas are found in the southwest corner of Building 5. Aircraft have been brought into this area since the early 1940s for light maintenance. External fuel tanks are tested using 10-10 oil in a self-contained circulation system with a 1,300-gallon aboveground storage tank (AST). The production control section performs production planning and coordination. The warehouse stores various electrical and mechanical equipment, while the PMO kitting area receives, inventories, and packages various aircraft parts and components to support repair activities. There is no chemical usage in these shops with the exception of approximately 1,300 gallons of 10-10 oil stored and used in the aircraft service area and approximately 100 pounds of depleted uranium weights packaged in four canisters being stored in the production control area. During the site inspection, a cumulative 21-square foot stained area with medium intensity adjacent to the AST was noted in the aircraft service area. This staining is relatively minor and will not be sampled as part of this PEP.

Additional shops and work areas exist in Building 5 and Building 5A. These include, but are not limited to, a drawing files room, tool cribs,

storage and supply areas, staging areas, and office spaces. Environmentally significant issues were not noted in these areas.

The mezzanine in Building 5 consists of six areas scattered throughout the building (Figures 6-54-2 and 6-54-3). One mezzanine runs along the entire north side of Building 5, adjacent to Building 5A. It contains ordnance, pneudraulics, bearing, and ejection seat shops in the east end, and upholstery, calibration, and parachute shops in the west end. The processes in the eastern shops include the use of paint booths, blasting booths, high pressure solvent cleaning booths and tanks, and hydraulic fluid test stands. Chemicals and wastes generated as a result of these activities include different types of petroleum products and halogenated solvents. Approximately 900 gallons of hydraulic fluid, lube oil, methanol, 1,1,1-trichloroethane, paint, degreasers, and lubricant were observed to be stored and used in these shops. Disposal of wastes is presently accomplished by accumulation at local GAP sites. Floor drains were observed during the site inspection. The majority of these drains were sealed-off.

Documented spills were not noted for this area. However, extensive staining was observed on the shop floors. Stains averaged approximately seven square feet and ranged from light to medium intensity. The staining was adjacent to test booths and chemical storage areas and appear to be petroleum product based. The floors in these shops were concrete and were generally stained.

In the shops that occupy the western end, clothing, rescue equipment, and aircraft interiors are constructed and various small equipment is tested and calibrated. Approximately 60 gallons of adhesive, MEK, contact cement, paints, resins, dimethyl silicone, and trichloroethane were observed to be stored and used in these shops. All materials were stored in hazardous materials cabinets. Waste chemicals are taken to local GAP sites. No spills, either from document review or site inspection, were noted. No floor drains were noted in the area.

Several other mezzanine areas are located above the shop floor in Building 5 (Figure 6-54-3). The 650 mezzanine, photo shop, central tool crib, and tube bending shops were noted to involve the use of chemicals during the site inspection. The types of processes occurring in these shops include machining, photo development, silver recovery, tool repair, painting, and parts cleaning. Approximately 300 gallons of paint, photographic fixer, PD-680 dry cleaning solvent, lubricant, detergent, and lube oil were observed to be stored in these shops. A solvent dip tank in the tube bending shop is drained when required and disposed of by maintenance personnel at an unknown location. Other wastes are taken to local GAP sites. The photo shop

filters its wastewater through a two stage silver recovery unit before discharging to the sanitary sewer. Staining was noted only in the tube bending shop, possibly from solvent and lubricant spillage, with 30 percent of the wooden and tiled flooring covered with light stains.

The remaining mezzanine areas did not contain any environmental concerns and were used as office space or for other non-industrial purposes.

Building 5 is equipped with a heating-ventilation-air conditioning (HVAC) system. An extensive system is in place to mitigate dusts, vapors, and fumes emitted during the many processes that occur throughout Building 5. Dusty conditions were noted in the foundry, metal working, plating, and former east and west paint areas. The solvent in an abandoned parts washing booth located in the NDI shop was allowed to vaporize via the exhaust hood. A rooftop inspection noted stains on emission stacks and compressor equipment. Also, a roof shed stored approximately 40 gallons of bacteria control, mud and silt remover, roof cement, and adhesive.

Document review revealed that an aircraft instrument dial shop was closed sometime in the 1950s or 1960s. Paint containing Radium 226 was used to provide luminescence for the instrument dials. Documents show that liquid waste from this shop drained directly to the Seaplane Lagoon. During shop decontamination, the drain pipe was sealed at both ends, but reportedly still contained contaminated material. After an extensive records search on the use of radiation sources at NAS Alameda and NASDEP Alameda, the Radiological Affairs Support Office (RASO) has recommended that a radiation survey be conducted for the radium paint shop located on the second floor of Building 5. The exact location of the instrument dial shop within Building 5 is unknown.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within Building 5.

Building 397

Building 397 was constructed in 1946 and served as a general purpose, manufacturing and repair facility (Figure 6-54-1). This building covers approximately 1,200 square feet, but was not inspected because it was not accessible at the time of the site inspection.

Utilities located within and immediately surrounding Building 397 include underground storm sewer and steam lines. No permits were issued for this building in 1993

Very little information was collected during the EBS for Building 397. Data regarding industrial processes, chemical storage, disposal practices, spill incidents, and a potential HVAC system do not exist.

Open Space I

Open Space I is defined by the area to the west and south of Building 5. This open space covers approximately 10 percent of the parcel. Open Space I is used as a storage area and a roadway, and includes both an abandoned and a functional industrial wastewater treatment facility. The ground surface of Open Space I is completely paved. Approximately 50 percent of the paved area is surfaced with asphalt and 50 percent is covered with concrete. The pavement is generally in good condition.

Structures located within the open space include IWTP #5, which was constructed in 1973 (Figure 6-54-1). IWTP #5 contains GAP Sites 33 and 16, and ASTs for neutralization, sludge, clarification, flocculation, mixing, chrome reduction, oil/water separating, and storage. The primary function of this facility was to process wastewater from aircraft paint stripping, washing, and plating operations. Wastewater processing was discontinued eight years ago, but paint booth wastewater, which is received from Buildings 113 and 530, and anodizing waste is still treated at this facility. An abandoned treatment facility is located to the east of this facility, and includes chrome and cyanide spill tanks, pump stations, and an oil/water separator. Effluent permit exceedences have been documented for this IWTP: Cadmium, one permit exceedence in 1989; Cyanide, four times in 1987, twice in 1988, twice in 1989; Phosphorus, once in 1989; Chromium, twice in 1990, six times in 1991; Toxic organics, once each in 1990 and 1991.

As part of follow-up sampling for IR Site 5, the abandoned treatment facility was identified for detailed investigation and two borings were drilled at this site (Figure 6-54-1). Results were presented in the *Data Summary Report, Background and Tidal Influence Studies and Additional Work at Sites 4 and 5, Draft Final*, dated August 4, 1992 by PRC and Montgomery Watson. Two soil samples were collected and analyzed for metals, cyanide, VOCs, and SVOCs. None of the VOC and SVOC concentrations reported exceeded either the unrestricted use or industrial PRGs. Both samples contained arsenic, beryllium, and hexavalent chromium at levels above the unrestricted use PRGs of 0.32 mg/kg, 0.14 mg/kg, and 0.2 mg/kg, respectively. The groundwater analyses detected VOCs and SVOCs. Metals including chromium, zinc, aluminum, beryllium, cobalt, lead, nickel, vanadium were detected above background levels as computed by PRC and Montgomery Watson.

Building 560 (Electrical Substation #5) was formerly located in this open space. This building housed transformer equipment and covered approximately 1,000 square feet. The construction date, construction details, and demolition date of Building 560 are unknown.

Utilities located within and immediately surrounding Open Space I include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines. No permits have been issued for processes occurring within this open space.

EBS information indicates that activities conducted within this open space include wastewater processing and equipment storage. Wastewater processing began in 1973; prior to this time, the entire Open Space I was used for equipment storage. Wastewater processing usually involves chemicals and wastes including lime and wastewater in different stages of treatment.

Documentation of chemical storage amounts is not available; however, approximately 70,000 gallons of wastewater in various stages of treatment are stored in the tanks of IWTP #5. Wastewater lines flow through the abandoned treatment facility to IWTP #5 then discharge to the industrial sewer system.

No spills or incidents have been documented in this open space. Review of site inspection data indicates that undocumented spills may have occurred outside Building 347 and within IWTP #5. Multiple paint stains occur on the asphalt adjacent to and on the sides of Building 347. These stains appear old and cover approximately 300 square feet. This staining is minor and will not be sampled as part of this PEP.

The ground cover in the IWTP is concrete in fair to poor condition; a 48-square foot area near the chrome reduction unit is etched. An 18-square foot, medium-intensity stain to the southeast of the clarifier tank was noted, caused by unknown chemicals. Staining in the functioning IWTP is addressed by Target Area 5.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within Open Space I.

Open Space II

Open Space II is defined by the areas north and east of Building 5. This space covers approximately 15 percent of the parcel. Open Space II is used for vehicle and equipment parking, roadway, and material storage. The ground surface of Open Space II is completely paved.

Approximately 50 percent of the paved area is surfaced with asphalt and 50 percent is covered with concrete. The pavement is generally in fair to poor condition.

Currently, a four AST system, with a total capacity of 29,000 gallons, containing water and glycol is the only structure present in Open Space II. Building 193 was formerly located in this open space and was demolished in 1953. No construction or use information regarding this building is available. Also, three additional ASTs, known only as Tanks 3, 4, and 7 (containing quench oil, glycols, and waste oil, respectively) were noted during document review, but their exact location could not be determined.

Utilities located within and immediately surrounding Open Space II include underground sanitary sewer, storm sewer, steam, water, and electrical lines. No permits have been issued for processes occurring within this open space.

EBS information indicates that activities conducted within this open space include material storage and vehicle parking. It appears that Open Space II was always used for these purposes.

No chemicals are documented to have been stored in Open Space II. No spills were noted during document review. Review of site inspection data indicates that undocumented spills may have occurred in a material and equipment storage area, southwest of the Avenue D and Second Street intersection, as evidenced by staining. The staining appears to be paint and oil based in origin, and to have involved a moderate quantity of released material. The staining covers an area measuring approximately 100 feet by 60 feet. The stains seem to run-off directly to a storm drain along the west edge of Second Street. This staining is addressed by Target Area 8.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within Open Space II.

Underground Storage Tanks

One inactive underground storage tank is present at this parcel (Tank 5-A). Tank 5-A was installed in 1940 and is located west of Building 5. This tank, which has a capacity of 40 gallons, was used to store waste oil, solvents, and gasoline. The presence of this tank was identified from the EBS. The available information did not identify why the tank was abandoned. However, based on general comments made by NAS Alameda personnel, a tank was most commonly abandoned because it was leaking. This tank has been identified as a

RCRA tank based on its former contents. Tank 5-A is scheduled to be removed.

One additional underground storage tank has been identified at this parcel (T-5A-1). No other information is available regarding this tank.

Parcel Boundary Conditions

Parcel 54 is bounded by Parcels 45, 46, 47, 48, 49, 51, 52, 55, 56, 57, 58, 59, and 68. Parcel 52 is IR Site 10A (Building 400, Missile Rework Operations). Activities of concern on these adjacent parcels include hazardous waste and materials storage on Parcels 49 and 57. Avenues C, F, and Second Street border Parcel 54 to the north, south, and east, respectively.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel included, at one time, 29 RCRA sites (GAP 2, GAP 3, GAP 4, GAP 5, GAP 8, GAP 10, GAP 12, GAP 13, GAP 14, GAP 16, GAP 17, GAP 18, GAP 20, GAP 21, GAP 22, GAP 23, GAP 24, GAP 25, GAP 26, GAP 27A, GAP 29, GAP 30, GAP 31, GAP 33, GAP 57, GAP 70A, two unknown GAP sites, and UST 5-A). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, none of the 28 former and current RCRA GAP sites at this parcel require further investigation because they are all paved, most are relatively new, and because staining was not noted at GAP sites by site inspectors. The RCRA site at Tank 5-A does require further investigation, and will be addressed by the UST program. A brief description of each of the RCRA sites is provided below.

GAP Site 2 was located in Building 5A in shop 95532; it is unknown whether any chemicals were released from this site. The dimensions of GAP Site 2 are unknown. The chemicals of concern associated with this site included poly paint, thinner, and naphtha wastes. This site has been removed.

GAP Site 3 was located in Building 5A in shop 95723; it is unknown whether any chemicals were released from this site. The dimensions of GAP Site 3 are unknown. The chemicals of concern associated with this site included MEK, Freon, engine oil, and synthetic hydraulic oil. This site has been removed.

GAP Site 4 is located in Building 5A in shop 93532 and it is unknown whether any chemicals were released from this site. GAP Site 4 consists of 15 gallons of acid and one pallet of batteries. The chemicals of concern associated with this site include battery acid and nickel-cadmium solution. This site is currently active.

GAP Site 5 is located in Building 5A in shop 95531 and it is unknown whether any chemicals were released from this site. GAP Site 5 consists of aerosol cans. The chemicals of concern associated with this site include poly paint, thinner, and aerosol paint. This site is currently active.

GAP Site 8 is located in Building 5A in shop 95832 and it is unknown whether any chemicals were released from this site. GAP Site 8 consists of 55-gallon drums. The chemicals of concern associated with this site include hydraulic fluid, JP-5, engine oil, waste oil, and petroleum products. This site is currently active.

GAP Site 10 is located in Building 5 in shop 93534 and it is unknown whether any chemicals were released from this site. GAP Site 10 consists of 5-gallon containers, 55-gallon drums, and 30-gallon drums. The chemicals of concern associated with this site include hydraulic oil, 1010 oil, lube oil, asbestos, Freon, JP-5, and aerosol paint. This site has been combined with GAP 16.

GAP Site 12 is located in Building 5 in shop 93432 and it is unknown whether any chemicals were released from this site. GAP Site 12 consists of aerosol cans, 30-gallon drums, 5-gallon containers, and 55-gallon drums. The chemicals of concern associated with this site include water base primer, poly paint, thinner, MEK, and aerosol paint. This site is currently active.

GAP Site 13 is located in Building 5 and it is unknown whether any chemicals were released from this site. GAP Site 13 consists of 55-gallon drums. The chemicals of concern associated with this site include primer, thinner, and acetone. This site is currently active.

GAP Site 14 is located in Building 5A in shop 95621 and it is unknown whether any chemicals were released from this site. GAP Site 14 consists of 55-gallon drums. The chemicals of concern associated with this site include hydraulic fluid, JP-5, stripper, oil, and fuel. This site is currently active.

GAP Site 16 is located in Building 5 in shop 93431 and it is unknown whether any chemicals were released from this site. GAP Site 16 consists of 55-gallon drums. The chemicals of concern associated with

this site include hydraulic fluid, beryllium, and contaminated wash water. This site is currently active.

GAP Site 17 is located in Building 5 in shop 93433 and it is unknown whether any chemicals were released from this site. GAP Site 17 consists of 30-gallon drums, 55-gallon drums, and large bags. The chemicals of concern associated with this site include SWARF with high nickel and chromium, some cadmium, aluminum oxide, and silicone carbide. This site has been combined with GAP 18.

GAP Site 18 is located in Building 5 in shop 65131 and it is unknown whether any chemicals were released from this site. GAP Site 18 consists of 30-gallon drums, 55-gallon drums, and large bags. The chemicals of concern associated with this site include machine and grinding coolant, SWARF, and heavy metal grindings. This site is currently active.

GAP Site 20 is located in Building 5 in shop 93332 and it is unknown whether any chemicals were released from this site. GAP Site 20 consists of 5-gallon containers, 30-gallon drums, 55-gallon drums, and large bags. The chemical of concern associated with this site was lead contaminated items. This site is currently active.

GAP Site 21 was located in Building 5 in shop 93333 and it is unknown whether any chemicals were released from this site. The capacity and containers of GAP Site 21 are unknown. The chemical of concern associated with this site was lead dust. This site has been removed.

GAP Site 22 is located in Building 5 in shop 93331 and it is unknown whether any chemicals were released from this site. GAP Site 22 consists of 55-gallon drums. Asbestos is the chemical of concern associated with this site. This site is currently active.

GAP Site 23 is located in Building 5 in shop 93422 and it is unknown whether any chemicals were released from this site. GAP Site 23 consists of 55-gallon drums. Ethyl acetate is the chemical of concern associated with this site. This site is currently active.

GAP Site 24 is located in Building 5 in shop 93422 and it is unknown whether any chemicals were released from this site. GAP Site 24 consists of large bags. The chemical of concern associated with this site included blasting grit (glass, garnet, plastic media blast). This site has been combined with GAP 25.

GAP Site 25 is located in Building 5 in shop 93422 and it is unknown whether any chemicals were released from this site. GAP Site 25 consists of 55-gallon drums, and large bags. The chemicals of concern

associated with this site include blasting grit (glass, garnet, plastic media blast), ethyl acetate, and aluminum oxide. This site is currently active.

GAP Site 26 is located in Building 5 in shop 93422 and it is unknown whether any chemicals were released from this site. GAP Site 26 consists of large bags. The chemical of concern associated with this site included blasting grit (glass, garnet). This site has been combined with GAP 25.

GAP Site 27A was located in Building 5 in shop 93440 and it is unknown whether any chemicals were released from this site. The capacity and containers of GAP Site 27A are unknown. The chemical of concern associated with this site was blasting grit (all media). This site has been removed.

GAP Site 29 is located in Building 5 in shop 93542 and it is unknown whether any chemicals were released from this site. GAP Site 29 consists of aerosol cans. The chemicals of concern associated with this site include aerosol paints. This site is currently active.

GAP Site 30 is located in Building 5 in shop 93545 and it is unknown whether any chemicals were released from this site. GAP Site 30 consists of 30-gallon drums and 55-gallon drums. The chemicals of concern associated with this site include hydraulic oil and Freon 113. This site is currently active.

GAP Site 31 is located in Building 5A in shop 95625 and it is unknown whether any chemicals were released from this site. GAP Site 31 consists of 30-gallon drums and 55-gallon drums. The chemicals of concern associated with this site include hydraulic fluid, engine oil, lube oil, aerosol lubrication, solvents, and some paint. This site is currently active.

GAP Site 33 is located in IWTP #5 and it is unknown whether any chemicals were released from this site. GAP Site 33 consists of 55-gallon drums. The chemicals of concern associated with this site include wastewater products and lime bags. This site is currently active.

GAP Site 57 was located in Building 5 in shop 93432 and it is unknown whether any chemicals were released from this site. The capacity and containers of GAP Site 57 are unknown. The chemicals of concern associated with this site included plating solutions and cadmium solution. This site has been removed.

GAP Site 70A is located in Building 5 in shop 93432 and it is unknown whether any chemicals were released from this site. GAP Site 70A

consists of 30-gallon drums and 55-gallon drums. The chemicals of concern associated with this site include cyanide, chromic acid plating solutions, nickel chloride, metex acid, and sulfamic acid. This site is currently active.

The site number and status of a GAP site in Building 5A in shop 96235 is unknown. Historical releases and capacities of containers are also unknown. The chemicals of concern associated with this site included VV-L-800, rust remover, PD-680, Freon TF, and alkaline solvent.

The site number of a GAP site in the container storage area at the southeast corner of Building 5 is unknown. This site consists of three covered storage areas, 2,600 square feet, for 55-gallon drums with a 5,000 gallon total capacity. The chemicals of concern associated with this site included spent solvents (toluene, MEK, 1,1,1-TCA, methylene chloride), waste flammable liquids, beryllium, and mercury. This site has not been used for storage of hazardous waste for a number of years.

UST 5-A has been identified as a RCRA tank based on its former contents. This tank is scheduled to be removed, and any necessary investigation will be implemented as part of the UST program. A description of this tank may be found in the Underground Storage Tank subsection provided previously.

The Hazardous Waste Facility Permit (Permit) for NAS Alameda included an RFA. The RFA identified Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs). The permit requires NAS Alameda to investigate all SWMUs and AOCs identified in the permit and any other sites which NAS Alameda may discover. Usually, the investigation is conducted through an RFI. At NAS Alameda, however, the requirements of the permit are being met through PEPs and the UST Program. Sites requiring remediation will not go through RCRA Corrective Action. Instead, they will be remediated through the Installation Restoration Program, consistent with CERCLA, or through the UST Program.

Parcel Reclassification and Data Gaps Summary

The data collected for this parcel indicate that there are no remaining data gaps that are likely to impact the BRAC Classification for this parcel.[2] The available information suggests that this parcel may tentatively be reclassified from BRAC Category 7 to BRAC Category 6.

2 This reclassification assumes that the RASO review does not identify any releases that have impacted this parcel

Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-54-2 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, industrial hygiene concerns, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewers is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are of concern in Building 5, as noted above as part of the Building 5 discussion. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-54-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 54 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target areas. This parcel contains eight parcel-specific target areas. The nature and locations of the parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-54-2.

- Target Area 1 (Building 5A, Central Area): The aircraft maintenance line in the middle of Building 5A may have been impacted by former metal work shops located in this area, and by used and unused lubrication, hydraulic, and other petroleum-based

TABLE 6-54-2

Summary of Data Gaps
NAS Alameda Parcel 54

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) is located on Parcel 54. Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-54-2

Summary of Data Gaps
NAS Alameda Parcel 54

Data Gap	Status/Description
Potential Parcel-Specific Release Areas	• Target Area 1 (Building 5A, Central Area). • Target Area 2 (Building 5, Southeast Area). • Target Area 3 (Building 5, Northeast Area). • Target Area 4 (Building 5, North-Central Area). • Target Area 5 (Open Space I). • Target Area 6 (Open Space II).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• Two USTs currently exist at Parcel 54 (Tanks 5-A and 5A-1). • Tank 5-A: Inactive. Scheduled to be removed. • Tank 5A-1: Unknown. Future actions for this tank are unknown.
Underground Utilities	• Storm sewer, sanitary sewer, industrial sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Abandoned fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

oils used in this area. Extensive staining was noted in the area covered by this target area. This target area covers approximately 34,000 square feet and has been classified as having a potential likelihood of impacts. Four surface and three subsurface soil samples will be collected in this area. The surface soil samples will be analyzed for TPH, SVOCs, and metals. The subsurface samples will be analyzed for these constituents as well as VOCs. The samples are listed in Table 6-54-1.

- Target Area 2 (Building 5, Southeast Area): The heat treat, pattern, metal manufacturing, foundry, rubber manufacturing, shot peen, and welding shops located in the southeast corner of the building may have been impacted by the use of chemicals containing VOCs, SVOCs, metals, and TPH. Extensive staining was noted in the areas covered by Target Area 2. This target area covers approximately 43,000 square feet and has been classified as having a potential likelihood of impacts. Six surface and three subsurface soil samples will be collected in this area, and are listed in Table 6-54-1. The surface soil samples will be analyzed for SVOCs, metals, and TPH. The subsurface samples will be analyzed for these constituents as well as VOCs.

- Target Area 3 (Building 5, Northeast Area): The rigging, CSD overhaul, and heavy metal work shops located in the northeast corner of the building may have been impacted by use of chemicals containing VOCs, SVOCs, metals, and TPH. Extensive staining was noted in the area covered by this target area. This target area covers approximately 37,000 square feet and has been classified as having a potential likelihood of impacts. Four surface soil and three subsurface soil samples will be collected in this area. The surface soil samples will be analyzed for TPH, SVOCs, and metals. The subsurface samples will be analyzed for these constituents as well as VOCs. The samples are listed in Table 6-54-1.

- Target Area 4 (Building 5, North-Central Area): The small parts painting, inflight refueling, landing gear, and cryogenics shops located in the north-central area of the building may have been impacted by use of chemicals containing VOCs, SVOCs, metals, and TPH. This target area covers approximately 27,000 square feet and has been classified as having a potential likelihood of impacts. Two surface and three subsurface soil samples will be collected in this area. The surface soil samples will be analyzed for TPH, SVOCs, and metals. The subsurface samples will be analyzed for these constituents as well as VOCs. The samples are listed in Table 6-54-1.

- Target Area 5 (Open Space I): The industrial wastewater treatment processes involving metal-contaminated water, reactives, VOCs, and SVOCs may have impacted the stained area in IWTP #5. This target area covers approximately 2,000 square feet and has been classified as having a potential likelihood of impacts. Two subsurface soil samples will be collected in this area and analyzed for TPH, SVOCs, VOCs, Reactives, and metals. The samples are listed in Table 6-54-1.

- Target Area 6 (Open Space II): The soils beneath the stained area located southwest of the intersection of Second Street and Avenue D may have been impacted by fuels, oils, and metals. The pavement in Open Space II was noted by site inspectors to be in fair to poor condition. This target area covers approximately 6,000 square feet and has been classified as having a potential likelihood of impacts. Three surface soil samples will be collected in this area and analyzed for TPH, SVOCs, and metals. The samples are listed in Table 6-54-1.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14).

Table 6-54-1 summarizes screening-level sampling and analysis recommended for the target areas on Parcel 54. Fifteen subsurface Geoprobe samples and 19 surface soil samples will be collected from the locations shown on Figure 6-54-1. The sample locations shown on this figure are approximate; actual locations will be determined in the field based on areas exhibiting the most significant staining. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

The actual locations of the subsurface and surface soil samples, in all of the target areas, will be in the areas of most extensive and severe staining, concentrating also in areas where the floor is cracked and/or deteriorated. Also, the sampling proposed in Target Area 3 will be conducted through the concrete floor underlying the wood blocks covering the shop floor areas.

The overall characterization of the parcel will be accomplished by considering the results of the IR program as well as this PEP. Certain areas, such as the abandoned plating shop, and most of Open Spaces I and II, the northwest corner of Building 5A, and the northeast corner of Building 5A, will not be sampled because the IR program has conducted sufficient sampling.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-55

PARCEL 55 EVALUATION PLAN

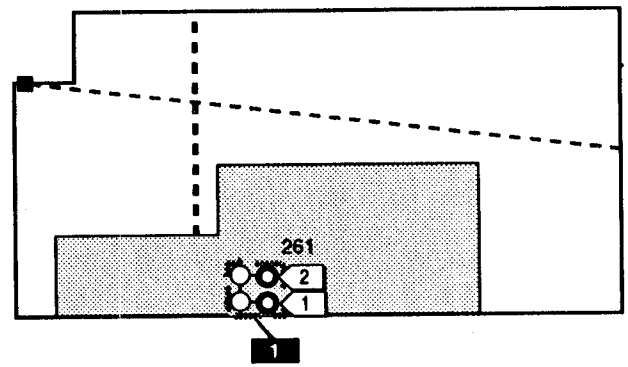
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 55 at NAS Alameda (Figure 6-55-1). The parcel, which is located in the central portion of the base, is less than one acre in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. One RCRA site is located at this parcel. One parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation include surface soil sampling and subsurface Geoprobe soil sampling. Table 6-55-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 55, historical activities are discussed below.

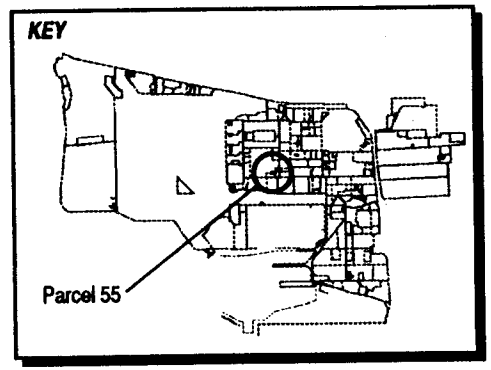
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 55, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 46, 47, 48, 49, 54, 56, 57, 58, and 59. This parcel zone has been designated the Building 5 Heavy Industrial Zone (Zone 10). The Building 5 Heavy Industrial Zone encompasses the parcels that surround and encompass the aircraft rework and maintenance facilities located on Parcel 54. Many of the parcels surrounding Parcel 54 are used for support facilities for





LEGEND

- Target Area 1
- Storm Sewer Line
- Steam Line
- GeoProbe Sample Location
- Surface Soil Sample Location
- Catch Basin

1" = 30'

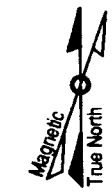


Figure 6-55-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94

TABLE 6-55-1

Summary of Recommended Samples
NAS Alameda Parcel 55

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
55-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
55-1-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Fuels	VOCs	CLP RAS
55-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels	TPH	Modified EPA 8015
55-2-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Fuels	VOCs	CLP RAS

Building 5. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 10.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 261) covers approximately 30 percent of the parcel. The remaining 70 percent is open space. The parcel area is presently in use as a NADEP storage area. There is no record of any former buildings on the parcel. Underground steam and sewer lines are present on this parcel and are shown on Figure 6-55-1.

Parcel 55 is located adjacent to Installation Restoration (IR) Program Site 5 (Building 5), 250 feet northeast of IR Site 10A (Building 400), and 300 feet west of IR Site 12 (Building 10). No previous investigations have been conducted at Parcel 55 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 261

Building 261 was constructed in 1943 and historically served as a storehouse for hazardous and flammable materials including oils and greases (Figure 6-55-1). It is currently used for storage of electrical equipment and absorbent electrical parts. Building 261 is a metal shack, with an asphalt coated floor. There is evidence that portions of the USTs associated with this building are located directly underneath it. Vent pipes are located on the west side of the building. Building 261 covers approximately 1,400 square feet and is in fair condition.

Utilities located within and immediately surrounding Building 261 include underground sanitary sewer, storm sewer, steam, and water lines. An air permit (source number 2754) was issued for one of the USTs associated with Building 261.

On the south side within this building is a concrete bermed area that was thought by site inspectors to be representative of a spill. The area was covered with cardboard and had a strong fuel-like odor associated with it (this bermed area is addressed by Target Area 1). No other significant staining or odors were noted by site inspectors.

An asbestos removal action was noted during the site inspection, and the insulation on piping was encapsulated. No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 261.

Open Space

The open space covers approximately 70 percent of the parcel. The open space is entirely paved with concrete. A liquid argon storage tank is located on the north side of the parcel. The open space is used as a driveway to Buildings 5 and 261. Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, and water lines.

No chemical storage, spills or releases are documented to have occurred in this open space. No incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within this open space.

Underground Storage Tanks

Three inactive underground storage tanks are listed present at this parcel (Tanks 261-1, 261-2, and 261-3). The tanks were installed in 1943 and are located near Building 261. Tank 261-3 is likely located on Parcel 57, south of Building 261. These tanks were used to store kerosene, JP-5, and PD-680, and have capacities of 500 gallons, 500 gallons, and 4,500 gallons, respectively. The presence of these tanks was identified from the EBS. These tanks were emptied on November 20, 1989. A total of approximately 4,000 gallons of chlorinated solvents and kerosene were stored in the USTs at one time. The available information did not identify why the tanks were abandoned. However, based on general comments made by NAS Alameda personnel, tanks were most commonly abandoned because they were leaking. These tanks have been identified as RCRA tanks based on their former contents and inclusion in the RFI. Tanks 261-1, 261-2, and 261-3 are scheduled to be removed.

Parcel Boundary Conditions

Parcel 55 is bounded by Parcels 54 and 57. Parcel 54 is IR Site 5 (Building 5). Activities of concern on these adjacent parcels include aircraft rework, painting, finishing, metal working, fuels storage and use, and other chemical storage.

No sampling is called for in this PEP in response to IR Site 5. If the continuing investigations at IR Site 5 reveal a cause for concern at Parcel 55, then additional sampling on Parcel 55 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes one RCRA site (the USTs). Chromium and cyanide were detected in soil and groundwater samples taken near Tank 261-3. These tanks were identified as RCRA tanks based on their former contents and inclusion in the RFI.

The Hazardous Waste Facility Permit (Permit) for NAS Alameda included an RFA. The RFA identified Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs). The permit requires NAS Alameda to investigate all SWMUs and AOCs identified in the permit and any other sites which NAS Alameda may discover. Usually, the investigation is conducted through an RFI. At NAS Alameda, however, the requirements of the permit are being met through PEPs and the UST Program. Sites requiring remediation will not go through RCRA Corrective Action. Instead, they will be remediated through the Installation Restoration Program, consistent with CERCLA, or through the UST Program. These tanks are scheduled to be removed, and any necessary investigation will be implemented as part of the UST program. A description of the tanks is provided in the Underground Storage Tank subsection above.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 55, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being

TABLE 6-55-2

Summary of Data Gaps
NAS Alameda Parcel 55

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• Parcel 55 is located adjacent to Installation Restoration (IR) Program Site 5 (Building 5), 250 feet northeast of IR Site 10A (Building 400), and 300 feet west of IR Site 12 (Building 10). Additional subsurface investigation relative to IR Sites 5, 10, and 12 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1 (Building 261).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-55-2

Summary of Data Gaps
NAS Alameda Parcel 55

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• Three USTs currently are listed as present at Parcel 55 (Tanks 261-1, 261-2, and 261-3). Tank 261-3 is likely located south of Building 261 (on Parcel 57). All three tanks are inactive and scheduled to be removed.
Underground Utilities	• Storm sewer, sanitary sewer, and water lines identified.
- Steam Lines	• Steam lines identified. .
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-55-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, underground storage tanks, industrial hygiene concerns, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with USTs and sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 261. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-55-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 55 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target area. This subsection of the PEP discusses the specific parcel target area. The nature and location of the parcel-specific target areas evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Building 261): The soil beneath the concrete bermed area of Building 261 may have been impacted by spills or leakage of petroleum products formerly stored in the building, as evidenced by a strong fuel odor noted by site inspectors in this area. The compounds of concern in this target area include petroleum-based fuels. This target area covers approximately 100 square feet and has been classified as having a potential likelihood of impacts. Two surface and two subsurface soil samples will be collected from this target area and analyzed for petroleum hydrocarbons and VOCs. The approximate locations of the samples are shown on Figure 6-55-1 and listed in Table 6-55-1.

In addition, concerns pertaining to industrial hygiene, asbestos, lead-based paint, PCBs, underground lines, radiological issues, the impacts of the adjacent IR site, and USTs must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Screening-Level Investigation

Surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14) are the screening-level investigation techniques that will be used to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-55-1 summarizes the screening-level sampling and analysis recommended for the target area on Parcel 55. Two surface and two subsurface soil samples will be collected from the locations shown on Figure 6-55-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

The site-specific conditions at Target Area 1 results in a density of field surface soil samples equal to the protocol standard stated in Table 3-1. The samples should be located in the areas with the most significant staining.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-56

PARCEL 56 EVALUATION PLAN

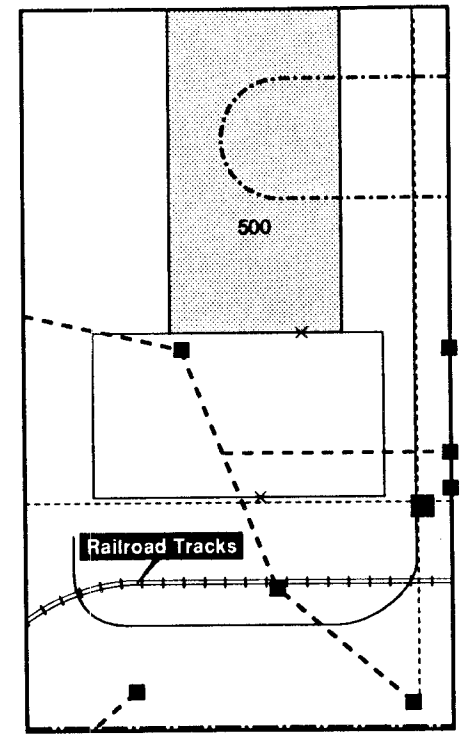
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 56 at NAS Alameda (Figure 6-56-1). The parcel, which is located in the central portion of the base, is less than an acre in size and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One zone-wide and no parcel-specific target investigation area (target area) have been identified on this parcel. However, no zone-wide target area samples are located at this parcel. Surface soil sampling will be used to accomplish the screening-level investigation. Table 6-56-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 56, historical activities are discussed below.

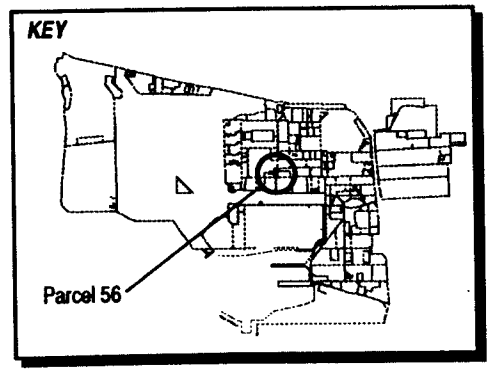
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 56, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 46, 47, 48, 49, 54, 55, 57, 58, and 59. This parcel zone has been designated the Building 5 Heavy Industrial Zone (Zone 10). The Building 5 Heavy Industrial Zone encompasses the parcels that surround and encompass the aircraft rework and maintenance facilities located on Parcel 54. Many of the parcels surrounding Parcel 54 are used for support facilities for





LEGEND

- Fuel Lines Abandoned
- Industrial Waste Line
- Storm Sewer Line
- Sewer Line
- Sanitary Sewer Manhole
- Catch Basin

Note: *No screening-level sampling recommended for this parcel.*

1" = 60'

Figure 6-56-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94B

Building 5. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 10.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 500) covers approximately 15 percent of the parcel. The remaining 85 percent is open space. The parcel area is presently in use as an administration office area and for vehicle and equipment parking. No buildings are documented to have formerly existed at Parcel 56. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-56-1.

Parcel 56 is adjacent to Installation Restoration (IR) Program Sites 5 and 12 (Buildings 5 and 10, respectively), and is located 400 feet northeast of IR Site 10A (Building 400). No previous investigations have been conducted at Parcel 56, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 500

Building 500 was constructed between 1958 and 1963 and currently serves as an administration office building (Figure 6-56-1). The building is reported to have been used historically for equipment handling and transfer (a receiving and delivering shelter was constructed in 1966 to facilitate these activities). This building covers approximately 4,200 square feet and is in moderately good condition. Building 500 has a steel-frame with metal facing and a concrete foundation.

Utilities located within and immediately surrounding Building 500 include underground sanitary sewer, storm sewer, steam, water, and

electrical lines. Abandoned underground fuel lines are located along the southern border of Parcel 56.

Information collected during the EBS indicates that activities conducted within this building include office operations, as well as chemical and equipment storage. A wood shop is located within this building. Woodworking typically involves the use of chemicals including oils, stains, paints, solvents, and glue. Less than 50 gallons of these chemicals were being stored in flammable materials cabinets in the vicinity of the wood shop at the time of the site inspection. There is no further documentation of chemical storage, spills, or staining in Building 500.

A hazardous waste accumulation area was present in the southeast corner of Building 5, which is less than 50 feet from Building 500. Waste chemicals documented to have been stored in this area include chlorinated organics, non-chlorinated organics, beryllium, and mercury. This hazardous waste container area had a 5,000-gallon capacity, and is currently inactive.

A heating-ventilation-air conditioning (HVAC) system is not documented to be present in Building 500. Insulation that may contain asbestos was noted around a heater on the north side of Building 500. No incidents such as fires, mishaps, flooding, or crashes are documented to have impacted Building 500.

Open Space

The open space covers approximately 85 percent of the parcel. The ground surface of the open space is paved with concrete, with an asphalt road running along the south border of Parcel 56. The pavement is generally in good condition. Old railroad tracks cross the parcel, trending east-west, on the south side. A large fenced enclosure is located in the open space on Parcel 56 south of Building 500.

Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, water, electrical, and industrial sewer lines. Abandoned underground fuel lines are located along the southern border of Parcel 56.

EBS information indicates that activities conducted within this open space include material storage, equipment and vehicle parking, and washdown. Storage of plywood in metal bins and wood-shop equipment, and equipment parking was noted in this area during the site inspection.

No spills were noted during visual inspections, although staining typical of vehicle parking areas was noted on the concrete. Because the pavement is in good condition, and this is minor staining associated vehicle parking, no sampling will be performed in this area as part of this PEP. A storm drain located on the east side of the parcel serves as a receptacle for the runoff from the downspouts of Building 500, and had black staining around it. The staining around the storm drain will not be addressed by sampling in this PEP.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 56 is bounded by Parcels 53, 54, 57, 58, 69, 70, and 186. Parcel 54 is IR Site 5 (Building 5). Activities of concern at these parcels include aircraft rework, maintenance, and fueling on Parcels 54 and 70, and activities related to the fuel storage activities on Parcels 69 and 186. A release of fuel from a UST is known to have occurred on Parcel 186.

If the continuing investigations at the IR site or any neighboring parcels reveal a cause for concern at Parcel 56, then additional sampling on Parcel 56 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 56, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being

reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-56-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 56 because no industrial buildings are present.

Once the data gaps in Table 6-56-2 are addressed, Parcel 56 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel is contained in a zone with a zone-wide target area. This subsection of the PEP provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 10. The nature and location of the zone-wide target area were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Zone 10 Target Area 1 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Building 5 Heavy Industrial Zone. Railroad tracks are located in the southern portion of the parcel. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas. No soil samples for this zone target area are located on this parcel. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by

TABLE 6-56-2

Summary of Data Gaps
NAS Alameda Parcel 56

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 56.
Installation Restoration (IR) Sites	• Parcel 56 is adjacent to IR Sites 5 and 12 (Buildings 5 and 10, respectively), and is located 400 feet northeast of IR Site 10A (Building 400). Additional subsurface investigation relative to IR Sites 5, 10A, and 12 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Evidence of potential groundwater contamination migration from neighboring Parcel 186 identified.
Potential Zone-Wide Release Areas	• Railroad Tracks.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-56-2

Summary of Data Gaps
NAS Alameda Parcel 56

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, industrial sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Abandoned fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

historical maps, shallow exploratory excavations, metal detectors, or other appropriate means.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level technique that will be used to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: subsurface Geoprobe soil sampling (SOP 14), soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-57

PARCEL 57 EVALUATION PLAN

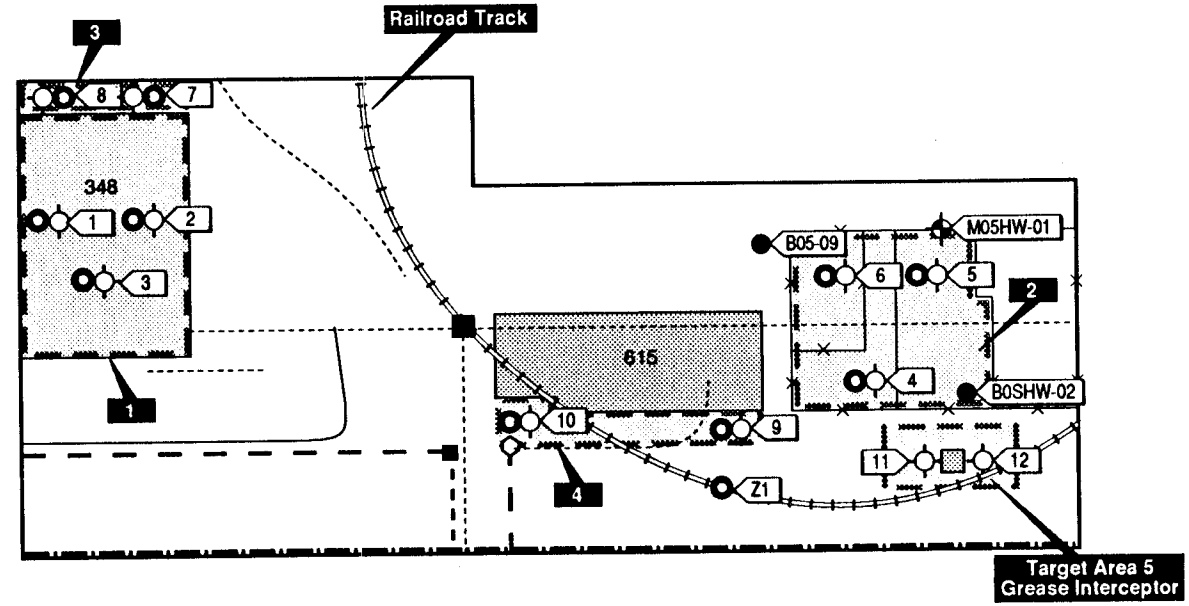
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 57 at NAS Alameda (Figure 6-57-1). The parcel, which is located in the central portion of the base, is 1.3 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains three RCRA sites. One zone-wide and five parcel-specific target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface Geoprobe soil sampling. Table 6-57-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 57, historical activities are discussed below.

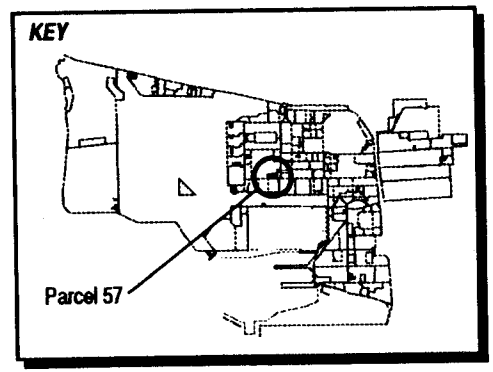
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 57, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 46, 47, 48, 49, 54, 55, 56, 58, and 59. This parcel zone has been designated the Building 5 Heavy Industrial Zone (Zone 10). The Building 5 Heavy Industrial Zone encompasses the parcels that surround and encompass the aircraft rework and maintenance facilities located on Parcel 54. Many of the parcels surrounding Parcel 54 are used for support facilities for





LEGEND

- Target Areas 1-5
- Fuel Lines Abandoned
- Fuel Lines in Use
- Storm Sewer Line
- Sewer Line
- CappedSurface
- Surface Soil Sample Location
- GeoProbe Sample Location
- Boring Sample Location
- Monitoring Well Sample Location
- Sanitary Sewer Manhole
- Catch Basin
- Catch Basin (Industrial Waste)

1"= 60'

Magnetic
True North

Figure 6-57-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94

TABLE 6-57-1

Summary of Recommended Samples
NAS Alameda Parcel 57

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
57-1-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Solvents	VOCs	CLP RAS
57-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Waste Oil	TPH, Metals	Modified EPA 8015, ICAP SCAN
57-2-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Solvents	VOCs	CLP RAS
57-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Waste Oil	TPH, Metals	Modified EPA 8015, ICAP SCAN
57-3-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Solvents	VOCs	CLP RAS
57-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Waste Oil	TPH, Metals	Modified EPA 8015, ICAP SCAN
57-4-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	Solvents	VOCs	CLP RAS
57-4-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Waste Oil	TPH, Metals	Modified EPA 8015, ICAP SCAN
57-5-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	Solvents	VOCs	CLP RAS
57-5-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Waste Oil	TPH, Metals	Modified EPA 8015, ICAP SCAN
57-6-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	Solvents	VOCs	CLP RAS
57-6-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Waste Oil	TPH, Metals	Modified EPA 8015, ICAP SCAN
57-7-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Waste Oil	TPH, Metals	Modified EPA 8015, ICAP SCAN
57-7-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Acids	Reactives	Chapter 7, SW 846
57-7-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	Solvents	VOCs	CLP RAS
57-8-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Waste Oil	TPH, Metals	Modified EPA 8015, ICAP SCAN
57-8-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Acids	Reactives	Chapter 7, SW 846
57-8-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	Solvents	VOCs	CLP RAS
57-9-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	Fuels, Lube Oil	TPH	Modified EPA 8015
57-9-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 4	Fuels	VOCs	CLP RAS
57-10-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	Fuels, Lube Oil	TPH	Modified EPA 8015
57-10-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 4	Fuels	VOCs	CLP RAS
57-11-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 5	Waste Oil, Fuels	TPH, Metals	Modified EPA 8015, ICAP SCAN
57-11-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 5	Fuels	VOCs	CLP RAS

TABLE 6-57-1

Summary of Recommended Samples
NAS Alameda Parcel 57

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
57-12-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 5	Waste Oil	TPH, Metals	Modified EPA 8015, ICAP SCAN
57-12-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 5	Fuels	VOCs	CLP RAS
Z10-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 10 Target Area 1	PCBs, Fuels, Oils	PCBs, TPH, Lead	EPA 8080, Modified EPA 8015, ICAP SCAN
Z10-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 10 Target Area 1	Creosote, Railroad Tie Tar	SVOCs	CLP RAS

Building 5. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 10.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, three buildings (Buildings 348, 415, and 615) cover approximately 20 percent of the parcel. The remaining 80 percent is open space. The parcel area is presently in use as a general storage area. No former buildings are documented to have existed on this parcel. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-57-1.

Parcel 57 is located immediately south of an Installation Restoration (IR) Program site (IR Site 5 - Building 5, Aircraft Rework Facility). Previous investigations have been conducted at Parcel 57, and specific data regarding potential chemical occurrence are available.

Volume 1 of the *Data Summary Report, RI/FS Phases 2B and 3, Final* dated October 27, 1992 and prepared by PRC Environmental Management, Inc. and Montgomery Watson for the Navy Comprehensive Long-Term Environmental Action Navy (CLEAN) program contains soil analytical results for four samples taken from one boring drilled in Parcel 57. Benzo(a)pyrene was the only organic compound detected at a level exceeding its EPA Preliminary Remedial Goal (PRG) for unrestricted use (0.061 mg/kg). Arsenic, beryllium, and manganese were the only metals detected at levels exceeding PRGs. Arsenic was found above the unrestricted use PRG of 0.32 mg/kg in all samples; two were above the industrial PRG of 2.0 mg/kg. Beryllium exceeded the unrestricted use PRG (0.14 mg/kg) in two samples. One sample contained manganese at a concentration that exceeded the unrestricted use PRG of 380 mg/kg.

As part of part of follow-up sampling, two additional borings were drilled near Building 415; results for the eight soil samples are presented in the *Data Summary Report, Background and Tidal Influence Studies and Additional Work at Sites 4 and 5, Volume 1 of 2, Draft Final*, dated August 4, 1992. A monitoring well was installed in one of the two borings. The soil samples were analyzed for VOCs, SVOCs, metals, and cyanide. Only one sample contained organic compounds above unrestricted use PRGs. This sample contained benzo(b)fluoranthene, benzo(a)pyrene, and indeno(1,2,3-cd)pyrene at

levels that exceeded the unrestricted use PRGs of 0.61 mg/kg, 0.061 mg/kg, and 0.61 mg/kg, respectively. The benzo(a)pyrene concentration was also above the industrial PRG of 0.26 mg/kg. Among the metals, arsenic, beryllium, and hexavalent chromium were detected at levels exceeding the PRGs. All samples contained arsenic above the unrestricted use PRG of 0.32 mg/kg. Beryllium was detected in one sample at a level above the unrestricted use PRG of 0.14 mg/kg, while hexavalent chromium exceeded the unrestricted use Cal-Modified PRG (0.2 mg/kg) in two samples. Cyanide was not detected in any of the samples.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 348

Building 348 was constructed in the early 1960s and has served as a Corrosion Control Shop since then (Figure 6-57-1). This building covers approximately 5,100 square feet and is in poor condition; the concrete floors are severely etched. Building 348 was constructed with metal walls and roof. The space occupied by Building 348 was formerly open space used for storage.

Utilities located within and immediately surrounding Building 348 include underground sanitary sewer, storm sewer, water, electrical, abandoned fuel, and industrial sewer lines.

Information collected during the EBS indicates that activities conducted within this building included aircraft outer surface and parts steam cleaning. Methylene chloride was previously used in this practice. The east and west side of the building interior contain abandoned dip tanks. No staining was noted in the area of the tanks by site inspectors. Available documents contain no information regarding chemical storage or disposal methods in this building.

The severely etched and eroded concrete floor of Building 348 is 80 percent pitted. It is also sloped, allowing drainage of spills to the streets. A hole in the curb at the west end of the building allows liquids to enter and exit.

The wastewater from steam cleaning and piece part stripping (methylene chloride) is discharged to the gutter and drain. This system leads to the waste treatment plant. The berm for this area has a hole in it, allowing liquids to flow in and out of the bay. Although no staining was noted, and wastewater is supposed to be routed to the industrial wastewater system, the former activities in the building and the current condition of the floor indicate that methylene chloride used in parts washing may have impacted soils under the building. This potential impact is addressed as part of Target Area 1.

A heating-ventilation-air conditioning (HVAC) system does not exist in Building 348. No incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within or immediately surrounding Building 348.

Building 415

Building 415 was constructed in 1956 and served as a miscellaneous liquid storage area (Figure 6-57-1). Currently, it serves as a hazardous waste accumulation area. Building 415 is a shed with a slanted metal roof covering the fence walls and a coated concrete floor. This building is in fair condition. The space occupied by Building 415 was formerly open space used for miscellaneous storage.

Utilities located within and immediately surrounding Building 415 include underground sanitary sewer, storm sewer, water, electrical, abandoned fuel, and industrial sewer lines.

Information collected during the EBS indicates that activities conducted within this building included hazardous waste storage. Currently there is a sign that reads: "Previous hazardous waste site — closure pending."

Flammables, petroleum products, resins, solvents, oils, and lubricants are documented to have been recently stored in the drum storage rack. Approximately 1,900 gallons of these chemicals were observed there. Hazardous waste materials that are present in this building include spent halogenated solvents and waste metals. The total storage capacity is 5,000 gallons. Disposal procedures for used chemicals are unknown.

An eight-foot by twelve-foot stain, likely from petroleum products, was observed at the northwest corner of this area. Another suspected petroleum product stain was noted near a east to west crack next to the dispensing area. A 20-foot by 5-foot stain runs north to south. Absorbent material was present on this stain at the time of visual inspections. The total stained area in this enclosure is less than

500 square feet. These stained areas are addressed by Target Area 2. There appears to be a continuous release of some petroleum product in the drum storage area. There is some secondary containment, in addition to absorbent and drip pans in the area, though this containment is cracked.

No incidents such as fires, flooding, or crashes are documented to have occurred within or immediately surrounding Building 415.

Building 615

Building 615 was constructed in 1982 and serves as a storage area for electrical equipment and assorted electrical parts (Figure 6-57-1). This one-story building covers approximately 5,000 square feet and is in fair condition. Building 615 is constructed of metal siding, metal roofing, and concrete floors. The space occupied by Building 615 was formerly open space used for storage.

Utilities located within and immediately surrounding Building 615 include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines.

Information collected during the EBS indicates that activities conducted within this building included hazardous materials storage. Respirators are kept in a cabinet in this building in case of spills or fires. Resins and adhesives are being stored in their original containers on shelving in Building 615. A total of 100 gallons of chemicals were observed. In addition, hazardous waste was being stored on metal pallets in the building at the time of site inspections. Because no staining was noted in these areas of chemical storage during the site inspection, no sampling is proposed in this PEP for Building 615.

EBS files do not include any information about chemical releases on the premises of Building 615. An informal assessment indicated that there is a potential for ACM in the building.

Building 615 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 615.

Open Space

The open space covers approximately 80 percent of the parcel. The open space is used for storage. The ground surface of the open space is

almost entirely paved. The open space is surfaced with concrete and isolated patches of asphalt. The pavement is in fair condition.

Structures located within the open space include two inactive underground storage tanks (Tanks 261-3 and 615-3) and two active underground storage tanks (Tanks 615-1 and 615-2). Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel lines, and industrial sewer lines.

EBS information indicates that activities conducted within this open space include material storage, vehicle and equipment parking, outdoor repair, and washdown. The area of the open space south of Building 5 is used as a hazardous waste storage site. Railroad tracks begin at the south side of Building 5 and travel southeast, cutting through the southwest corner of Building 615. The tracks then travel east along the north side of Avenue E through the parcel.

A petroleum-based stain was observed on the roadway between Buildings 5 and 348. It covered an area 20 feet by 15 feet. Several stains were noted on a dip tank and the ground surrounding it. Because operations have ceased, there is no indication of which types of chemicals were used there. This staining is addressed by Target Area 3.

Chemicals being stored south of Building 615 include flammables and petroleum products. Leakage is apparent among the 30- and 55-gallon drums assembled in this area. This area is addressed by Target Area 4. The runoff from this area and the former hazardous waste site goes to a nearby storm drain collection channel. A drain, which contains a brownish/green residue, has a metal plate along the south edge labeled "grease receptor." This area is sandbagged, and will be addressed by Target Area 5.

Staining is present in the open space area. Oil-like stains (up to six feet in diameter) are located on the concrete in the southern portion of the parcel. A four-foot by twenty-foot area in the vacuum pump/lube oil storage area is also stained. Stains in the flammable paints and oils storage area are apparently the result of small releases.

The area between Buildings 400 and 5 has been the site of documented spills. The ground surface in this area is partially surfaced by asphalt. The first spill in this area involved the release of diesel oil. One and one-half gallons leaked from an aboveground storage tank onto the asphalt. Absorbent pads were used to clean up this incident. Another incident involved a spill of hexavalent chromium. Three thousand gallons of the wastewater containing hexavalent chromium was released when the truck overturned in January 1992. A vacuum truck

and absorbent material were used to clean up the spill. However, some of the wastewater flowed into the storm sewers on Avenue F. Any resulting impacts to the storm sewers in this area will be addressed by the underground utility investigations.

No other incidents such as fires, mishaps, or crashes are documented to have occurred within the open space.

Underground Storage Tanks

Four underground storage tanks (USTs) exist at this parcel (Tanks 261-3, 615-1, 615-2, and 615-3). Two USTs are in use (Tanks 615-1 and 615-2) and two USTs have been abandoned (Tanks 261-3 and 615-3). Tank 261-3 is described in the Underground Storage Tank section for Parcel 55, because it is associated with Building 261, located on Parcel 55. Tank 615-3 was installed on an unknown date, and is located approximately 70 feet east of Building 615. Tank 615-3 was used to store used diesel fuel and waste oil and has a capacity of 1,000 gallons. The presence of these tanks were identified from the EBS. These tanks are scheduled to be removed. The available information did not identify why the tanks were abandoned. However, based on general comments made by NAS Alameda personnel, tanks were most commonly abandoned because they were leaking.

These tanks have been identified as RCRA tanks based on their former contents and inclusion in the RFI. Tank 615-3 is listed as a SWMU of medium priority in the RFA, and Tank 261-3 is considered to be an Area of Concern (AOC).

The two active USTs at this parcel (Tanks 615-1 and 615-2) were identified from the EBS. These tanks were installed in 1981 and are located in front of Building 615. Based on the available information, these tanks are used as spill control for Building 615, and are used in emergencies only. Tanks 615-1 and 615-2 have a capacities of 10,000 gallons and 5,000 gallons, respectively. No data pertaining to tightness or tank integrity has been identified. These tanks correspond, with Tank 615-3, to SWMU Site UST-19. These tanks were identified as RCRA tanks based on their use, potential contents, and inclusion in the RFI.

Parcel Boundary Conditions

Parcel 57 is bounded by Parcels 53, 54, 55, and 56. Parcel 54 is IR Site 5 (Building 5). Activities of potential environmental concern on

these parcels include aircraft rework, maintenance, fueling, and washdown.

No sampling is called for in this PEP in response to the nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 57, then additional sampling on Parcel 57 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites, consistent with objectives described in Section 1 of the Shell Workplan. This parcel contains three RCRA sites (site number SWMU/Unknown, UST-19, and the AOC associated with Tank 261-3). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, of the three RCRA sites at this parcel, two sites (AOC and UST-19) require further investigation. These sites, which are both tanks, are being addressed as part of the UST program. The tanks are scheduled to be removed, and any necessary investigation will be implemented as part of the UST program.

Site SWMU/Unknown is comprised of the hazardous materials delivery areas at NADEP Buildings 614, 615, and 616. Known releases of nitric acid, oil and fuel, zyglow penetrant, poly paint, and PD-680 (50 gallons, 250 gallons, unknown quantity, 10 gallons, and 10 gallons, respectively) have occurred at the site. Because this site is spread over three non-contiguous parcels, it is not known from the available documents whether any of these releases occurred on Parcel 57. Because no staining was noted on the concrete flooring in Building 615, no investigation of this site is necessary on Parcel 57. Site SWMU/Unknown has a storage capacity of 17,000 cubic feet and is currently active.

The Hazardous Waste Facility Permit (Permit) for NAS Alameda included an RFA. The RFA identified Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs). The permit requires NAS Alameda to investigate all SWMUs and AOCs identified in the permit and any other sites which NAS Alameda may discover. Usually, the investigation is conducted through an RFI. At NAS Alameda, however, the requirements of the permit are being met through PEPs and the UST Program. Sites requiring remediation will not go through RCRA Corrective Action. Instead, they will be remediated through the Installation Restoration Program, consistent with CERCLA, or through the UST Program. These tanks are

scheduled to be removed, and any necessary investigation will be implemented as part of the UST program. A description of the tanks is provided in the Underground Storage Tank subsection above.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 57, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-57-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, underground storage tanks, industrial hygiene concerns, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 348. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-57-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 57 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains five parcel-specific target areas and is also contained in a zone with a zone-wide target area. This subsection of the PEP discusses the specific parcel target areas and provides an overview of the zone-wide target area. The discussion of the zone-

TABLE 6-57-2

Summary of Data Gaps
NAS Alameda Parcel 57

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) and IR Site 10A are adjacent to Parcel 57. Additional subsurface investigation relative to IR Sites 5 and 10A is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks.
Potential Parcel-Specific Release Areas	• Target Area 1 (Building 348). • Target Area 2 (Building 415). • Target Area 3 (North of Building 348). • Target Area 4 (South of Building 615). • Target Area 5 (Grease Interceptor).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-57-2

Summary of Data Gaps
NAS Alameda Parcel 57

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• Four USTs currently exist at Parcel 57 (Tanks 261-3, 615-1, 615-2, and 615-3). • Tanks 615-1, 615-2: Active. Future actions for these tank are unknown. • Tanks 261-3, 615-3: Inactive. Scheduled to be removed.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, industrial sewer, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Abandoned fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 10. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following target areas were identified based on the potential release areas described above and listed in Table 6-57-2.

- Target Area 1 (Building 348): The target area is defined as Building 348, and covers approximately 5,100 square feet. The east and west side of the building interior have abandoned dip tanks, though no staining was noted in those areas. The pervasive use of methylene chloride in parts washing operations with the severely etched floor noted by site inspectors indicate a potential likelihood of impacts from TPH, VOCs, and metals to the soils below the foundation. Three surface and three subsurface soil samples will be collected in this target area. The samples are listed in Table 6-57-1.

- Target Area 2 (Building 415): Because the staining is scattered, the target area is defined by the edges of the enclosure, though the most stained areas are the intended target area. Site inspectors noted a continuous release of some petroleum product in the drum storage area. The total stained area in this enclosure is less than 500 square feet. Flammables, petroleum products, solvents, oils, and lubricants have been stored in this building. There is a potential likelihood of impacts from TPH, metals, and VOCs to the soils under the foundation of the building, which is cracked in places. Three surface and three subsurface soil samples will be collected in this target area. The samples are listed in Table 6-57-1.

- Target Area 3 (North of Building 348): This target area encompasses a petroleum-based stain and several stains noted on a dip tank and the surrounding ground surface observed on the roadway between Buildings 5 and 348. The petroleum stain covers an area 20 feet by 15 feet. The entire target area covers less than 1,000 square feet and has been classified as having a potential likelihood of impacts. There is no information regarding the types of chemicals used near the dip tank; therefore, the samples will be analyzed for TPH, SVOCs, metals, and reactives. Two surface and two subsurface soil samples will be collected in this target area. The samples are listed in Table 6-57-1.

- Target Area 4 (South of Building 615): The target area is defined as the area south of Building 615 where chemicals being stored include

flammables and petroleum products. The soils beneath this chemical storage area may have been impacted by the leakage apparent among the 30- and 55-gallon drums assembled in this area. This target area covers approximately 1,000 square feet and has been classified as having a potential likelihood of impacts. TPH and VOCs are the compounds of concern in this area. Two surface and two subsurface soil samples will be collected in this target area. The samples are listed in Table 6-57-1.

- Target Area 5 (Grease Interceptor): The target area is the area surrounding the grease interceptor located on the north side of Avenue F, near the southeast corner of the parcel. This has been designated a target area because the runoff from Target Area 4 and the former hazardous waste site goes to this grease receptor, and green, sludge-like material was noted at the time of the site inspection. TPH, VOCs, and metals are the compounds of concern. This target area covers less than 1,000 square feet and has been classified as having a potential likelihood of impacts. Two subsurface soil samples will be collected in this target area at a depth corresponding to the bottom of the grease collector. The samples are listed in Table 6-57-1.

- Zone 10 Target Area 1 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Building 5 Heavy Industrial Zone. Railroad tracks are located in the southern portion of the parcel. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas. The one soil sample for this zone target area is located on this parcel. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means. Samples to be collected in this target area are listed in Table 6-57-1.

Screening-Level Investigation

Two screening-level techniques will be employed to assess conditions in target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14).

Table 6-57-1 summarizes screening-level sampling and analysis for the target areas on Parcel 57. Twelve subsurface Geoprobe soil samples and ten surface soil sample will be collected from the locations shown on Figure 6-57-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-58

PARCEL 58 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 58 at NAS Alameda (Figure 6-58-1). The parcel, which is located in the central portion of the base, is less than an acre in size and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in this area include surface soil sampling and subsurface Geoprobe soil sampling. Table 6-58-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 58, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for the buildings, open spaces, and boundaries of Parcel 58, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 46, 47, 48, 49, 54, 55, 56, 57, and 59. This parcel zone has been designated the Building 5 Heavy Industrial Zone (Zone 10). The Building 5 Heavy Industrial Zone encompasses the parcels that surround and encompass the aircraft rework and maintenance facilities located on Parcel 54. Many of the parcels surrounding Parcel 54 are used for support facilities for

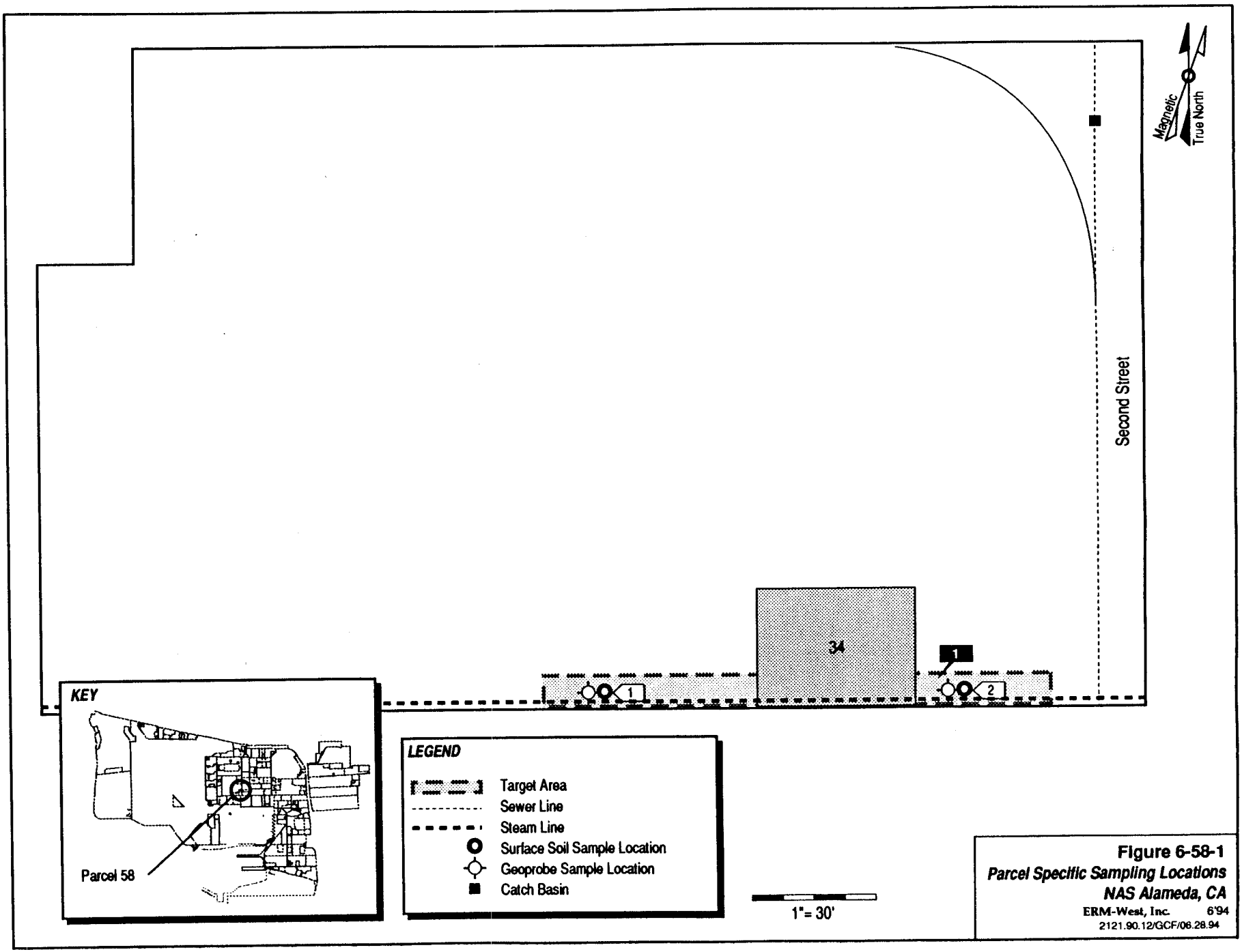


Figure 6-58-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/06.28.94

TABLE 6-58-1

Summary of Recommended Samples
NAS Alameda Parcel 58

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
58-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Oils, Stains, Adhesives	SVOCs	CLP RAS
58-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Solvents, Oils, Stains, Adhesives	TPH	Modified EPA 8015
58-1-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Solvents	VOCs	CLP RAS
58-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Oils, Stains, Adhesives	SVOCs	CLP RAS
58-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Solvents, Oils, Stains, Adhesives	TPH	Modified EPA 8015
58-2-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Solvents	VOCs	CLP RAS

Building 5. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 10.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 34) covers less than five percent of the parcel. The remaining area is open space. The parcel area is presently in use as a material storage and vehicle parking area. There are no available records documenting buildings or structures previously located on Parcel 58. Underground steam and sewer lines are present on this parcel and are shown on Figure 6-58-1.

Parcel 58 is located adjacent to Installation Restoration (IR) Program Site 5 (Building 5) and within 100 feet of IR Site 12 (Building 10). No previous investigations have been conducted at Parcel 58, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 34

Building 34 has always served as an electrical substation; it currently contains vacuum circuit breakers (Figure 6-58-1). This building is a concrete pad with no walls or roof (though it was given an official building number). Building 34 covers approximately 2,300 square feet and is in fair condition. Based on aerial photograph review, this building appears to have been constructed between 1975 and 1981. The space occupied by Building 34 was formerly open space used for storage.

Utilities located within and immediately surrounding Building 34 include underground sanitary sewer, steam, water, electrical, and industrial sewer lines.

No chemical storage other than transformer oils in transformers is documented for this building. Historically, PCB-containing transformers were located in this area. Site reviewers noted that one of the transformers had a "no PCBs" label. Two smaller transformers did not have "no PCBs" labeling. Some staining was noted on the concrete pads that the transformers are mounted on. No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 34.

Open Space

The open space covers more than 95 percent of the parcel. Concrete covers the entire ground surface of the open space and is in good condition. There are no records of former buildings existing on this open space. Utilities located within and immediately surrounding the open space include underground sanitary sewer, steam, water, electrical, and industrial sewer lines

EBS information indicates that activities conducted within this open space include material storage, current small scale drum storage, and vehicle and equipment parking.

Fifty gallons of solvents, oils, wood stains, adhesives, thinner, and cutting oil are documented to have been stored in lockers in the open space at the south end of the parcel. Site inspectors reported that apparent small periodic releases of oils, paint and resins had resulted in staining on the ground next to the lockers. The staining in this area is addressed by Target Area 1.

Drums containing hazardous waste were noted in the southwestern portion of the parcel, including a 55-gallon drum of MEK and another 55-gallon drum of shop debris mixed with oil; this is a designated hazardous waste accumulation site. This site may correspond to SWMU/GAP Unknown that is listed as located at the southeast corner of Building 5. The GAP site is discussed in the PEP for Parcel 54, since it is associated with activities in Building 5. No staining was noted in this area by site inspectors.

Stains related to vehicle parking were also noted scattered on the concrete. Oil-like stains that may be related to equipment leakage were also observed on the pavement during visual inspections. This staining was relatively minor, and does not warrant sampling as part of this PEP.

No incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 58 is bounded by Parcels 54, 56, 68, and 186. Activities of concern on these adjacent parcels include aircraft rework on Parcel 54, and fuel storage on Parcels 68 and 186. A documented fuel spill occurred on Parcel 186.

No sampling is called for in this PEP in response to the nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 58, then additional sampling on Parcel 58 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 58, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-58-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

TABLE 6-58-2

Summary of Data Gaps
NAS Alameda Parcel 58

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 58.
Installation Restoration (IR) Sites	• Parcel 58 is located adjacent to IR Site 5 (Building 5) and within 100 feet of IR Site 12 (Building 10). Additional subsurface investigation relative to IR Sites 5 and 12 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• No LBP issues identified.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Evidence of potential groundwater contamination migration from neighboring Parcel 186 identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1 (Open Space).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Sanitary sewer, electrical, and water lines identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-58-2

Summary of Data Gaps
NAS Alameda Parcel 58

Data Gap	Status/Description
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

No Industrial Hygiene (IH) sampling is required for Parcel 58 because no industrial buildings are present.

Once the data gaps in Table 6-58-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 58 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target area. This subsection of the PEP discusses the specific parcel target area. The nature and location of the parcel-specific target area were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following parcel-specific target area was identified based on the potential release area described above and listed in Table 6-58-2.

- Target Area 1 (Open Space): The soil beneath the hazardous materials lockers in the southern portion of the open space may have been impacted by spills or leakage of VOCs, SVOCs, and petroleum compounds contained in solvents, oils, wood stains, adhesives, and thinner stored in these containers. This target area covers less than 1,000 square feet and has been classified as having a potential likelihood of impacts. Two surface and two subsurface soil samples will be collected in this target area. These samples are listed in Table 6-58-1.

In addition, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological issues, and the impacts of the nearby IR sites must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Screening-Level Investigation

Surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14) are the screening-level investigation techniques that will be used to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

Table 6-58-1 summarizes the screening-level sampling and analysis recommended for the target area on Parcel 58. Two surface soil

samples and two subsurface soil samples will be collected from the locations shown on Figure 6-58-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

The site-specific conditions at the target area results in a density of field samples equal to the protocol standards stated in Table 3-1. The samples in this target area should be located in the areas with the most significant staining. If no staining is evident, then the samples should be distributed evenly over the target area.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-59

PARCEL 59 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 59 at NAS Alameda (Figure 6-59-1). The parcel, which is located in the central portion of the base, is 3.6 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 59, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 59, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 46, 47, 48, 49, 54, 55, 56, 57, and 58. This parcel zone has been designated the Building 5 Heavy Industrial Zone (Zone 10). The Building 5 Heavy Industrial Zone encompasses the parcels that surround and encompass the aircraft rework and maintenance facilities located on Parcel 54. Many of the parcels surrounding Parcel 54 are used for support facilities for Building 5. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the

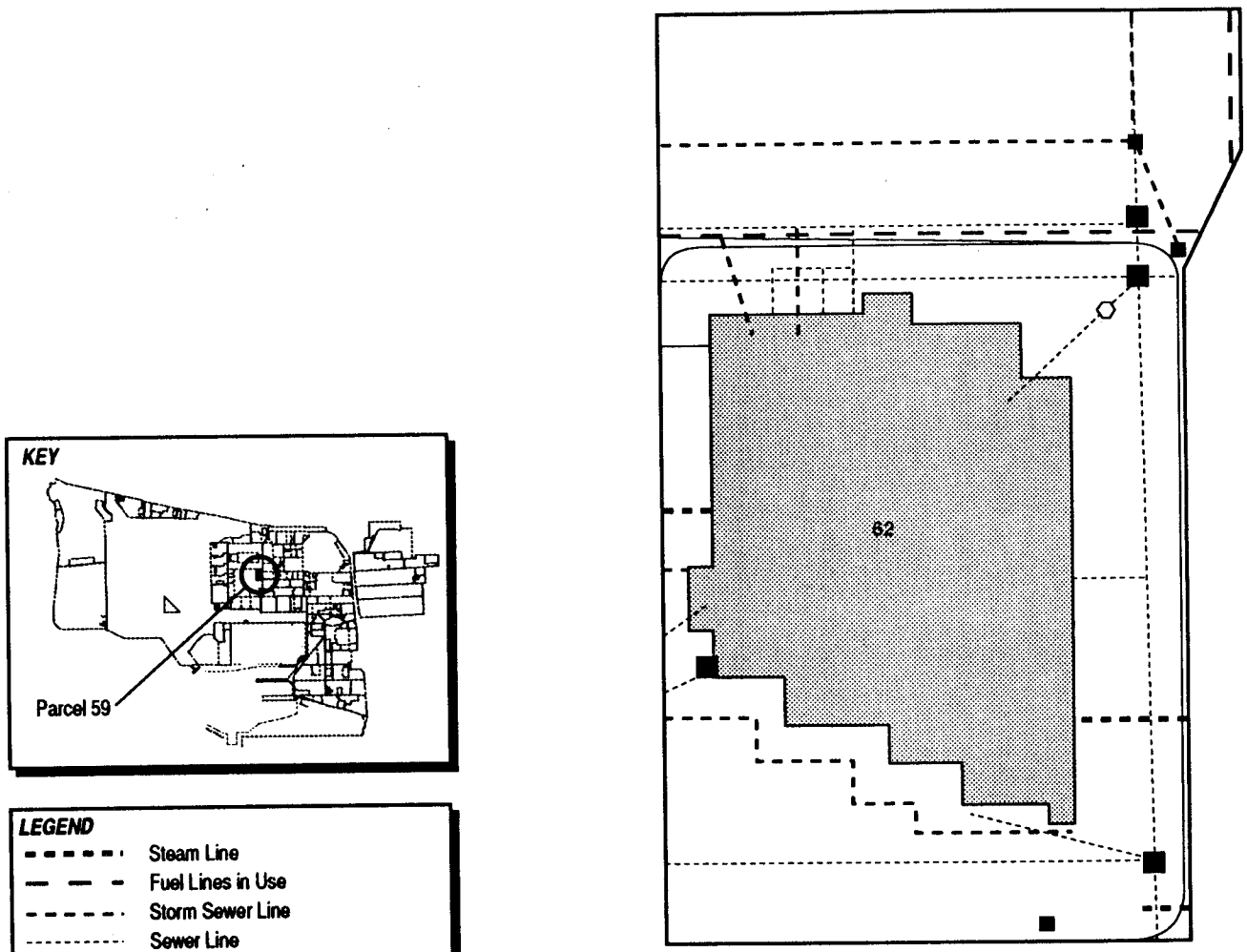


Figure 6-59-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94B

entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 10.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 62) covers approximately 35 percent of the parcel. The remaining 65 percent is open space. The parcel area is presently in use as a data processing center. The old PWC housing office (Building 534) formerly existed on this parcel. Underground steam and sewer lines are present on this parcel and are shown on Figure 6-59-1.

Parcel 59 shares its western and southern borders with an Installation Restoration (IR) Program site (IR Site 5 - Building 5). No previous investigations have been conducted at Parcel 59, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 62

Building 62 was constructed prior to 1947 and served as a cafeteria and credit union (Figure 6-59-1). This building is constructed of wood, with stucco walls, a concrete floor, and a built-up roof. Building 62 is in fair condition. Utilities located within and immediately surrounding Building 62 include sanitary sewer, storm sewer, steam, water, electrical, and industrial sewer lines. Four oil-filled transformers are located primarily in the southwest corner of Building 62.

Corrosives, scaling inhibitor, paint, battery water, cleaning/household supplies, WD-40, TCE, and refrigerant are documented to have been stored in Building 62 in small quantities. Approximately 200 gallons of scaling inhibitor were stored in containers on the roof of the building. No other chemical storage, or staining or spills are documented to have occurred in Building 62.

Building 62 is equipped with a heating-ventilation-air conditioning (HVAC) system. The cooling system uses 25 percent outside air and 75 percent recycled air and is maintained every month. Peeling paint was observed inside some rooms of this building. ACM may be present in the insulation materials of the former boiler room. No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 62.

Open Space

The open space covers approximately 65 percent of the parcel. The open space is 60 percent paved and 40 percent unpaved. The entire paved area is covered with concrete. The pavement is in moderately good condition. The unpaved areas of the open space are covered with gravel (five percent) and grass (35 percent). Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, water, fuel, electrical, and industrial sewer lines.

EBS information indicates that activities conducted within this open space have included vehicle parking. No chemicals were stored in this area at the time of visual inspections, and no spills or stains were noted. No incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within the open space.

Underground Storage Tanks

One active underground storage tank is located on the southwest side of Building 62 (Tank 62-1). The presence of this tank was identified from the EBS. Based on the available information, Tank 62-1 is used to store up to 2,000 gallons of diesel fuel. The installation date of this tank is unknown. Tank 62-1 passed a November 1991 tank and line test, and a 1993 tank and piping tightness test.

Parcel Boundary Conditions

Parcel 59 is bounded by Parcels 45, 54, 65, 66, and 67. Activities of concern on these adjacent parcels include aircraft rework on Parcel 54 (IR Site 5) and metal plating on Parcel 66.

No sampling is called for in this PEP in response to the nearby IR site or activities on adjacent parcels. If the continuing investigations at the IR site or surrounding parcels reveal a cause for concern at Parcel 59, then additional sampling on Parcel 59 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 59, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-59-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with USTs and sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 59 because no industrial buildings are present.

As noted earlier, Parcel 59 has open space areas that are landscaped or unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling is required for Parcel 59.

Once the data gaps in Table 6-59-1 are addressed, Parcel 59 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-59-1

Summary of Data Gaps
NAS Alameda Parcel 59

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 59.
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) is located adjacent to Parcel 59. Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• One UST currently exists at Parcel 59 (Tank 62-1). • Tank 62-1: Active. Future actions for this tank are unknown.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-59-1

Summary of Data Gaps
NAS Alameda Parcel 59

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, industrial sewer, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological concerns, the impacts of the adjacent IR site, and USTs must be resolved before this parcel can be leased or transferred.

SECTION 6-Z11

ZONE 11 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 11 at NAS Alameda (Figure 6-Z11-1). Zone 11 has been designated the Southern Hangar Zone and encompasses the parcels located north of Taxiway 7 and Parking Apron 4, north of the former Seaplane Lagoon, that are used as hangars and hangar support facilities. Zone 11 is comprised of Parcels 50, 51, 52, 53, 70, 71, 72, 195, and 196. During sampling program development, the parcels located in this zone were evaluated together. No zone-wide target investigation areas (target areas) and 23 parcel-specific target areas have been identified in this zone. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and soil gas sampling. Figure 6-Z11-1 illustrates all parcel-specific sampling locations for the entire zone. This zone analysis plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 11, historical activities are discussed below.

Zone 11 Background and Historical Activities

This subsection briefly summarizes EBS information available for buildings, open spaces, and boundaries of Zone 11 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration sites, underground storage tanks, and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the parcel-specific evaluation plans (PEPs) for the parcels contained in this zone.

Past and present use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs (the non-intrusive investigation[1]). This information was used to determine areas on the zone where sampling

[1] The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.

was deemed necessary to delineate potential impacts of compounds of concern.

Zone 11, the Southern Hangar Zone, encompasses nine parcels that are primarily used for aircraft parking, maneuvering, washdown, fueling, and maintenance activities. During sampling program development, the parcels located in this zone were evaluated together to better address zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of specific parcel concerns is provided in the Parcel Evaluation Plans (PEPs) for individual parcels.

Filling began in the area covered by this zone in approximately 1930. Prior to this time, the zone area was completely inundated by San Francisco Bay. The zone was completely filled as of 1941; the ground level and grading have not changed significantly since that time.

Currently, six large hangar buildings and approximately 12 small support buildings and structures cover approximately 40 percent of the zone. The remaining 60 percent is open space, which is mostly paved. The zone is presently used primarily for aircraft maintenance and support activities. Two buildings (Building 197 on Parcel 51 and Building 199 on Parcel 195) were formerly located in this zone and have since been demolished. Underground fuel and sewer lines present in this zone are illustrated in the individual PEP figures.

Zone 11 contains two Installation Restoration (IR) Program sites (IR Site 6, Building 41-Aircraft Intermediate Maintenance Department; and IR Site 10A, Missile Rework Operations). Previous investigations have been conducted at Zone 11, and specific data regarding chemical occurrence at this zone are available. Previous investigations have been conducted at parcels 52 and 53. Additional sampling at parcels 50, 51, 71, and 196 has been proposed by the IR contractor as part of the IR Program investigation associated with IR Sites 6 and 10. Investigations at IR sites immediately north of Zone 11 (IR Site 5, Building 5; and IR Site 12, power plant) are ongoing.

Lead-based paint, PCBs, radiological considerations, industrial hygiene issues, and asbestos-containing materials are suspected to be concerns in Zone 11 but will be addressed in other sampling programs and are not considered in this ZAP. Industrial hygiene concerns potentially exist in several buildings including Buildings 11, 12, 39, 40, 41, and 400.

Underground Storage Tanks

Four tanks have been identified in Zone 11 on Parcels 52, 70, 71, and 195. Tanks on parcels 71 and 195 are listed as inactive and active, respectively. No additional information is available about these tanks. Tank H-39 on Parcel 70 was a 500-gallon fuel tank that has been removed. Tank 400-1 located on Parcel 52 is a 500-gallon diesel fuel tank that is currently inactive and scheduled for removal. No data pertaining to tightness or tank integrity of tanks in Zone 11 has been identified.

RCRA Sites

This zone includes nine RCRA sites on Parcels 51, 52, 195, and 196. These sites were evaluated consistent with the criteria applied to other potential target areas in the zone. Under these criteria, of the nine RCRA sites at this zone, only one (SWMU/GAP 7 on Parcel 51) requires further investigation. A brief description of each RCRA site is provided in the corresponding PEP. The sampling proposed for the sites that require sampling is also described in the corresponding PEP.

Zone Boundary Conditions

Zone 11 is bounded by Zones 4, 6, 10, 13, 14, and 17. Parking Apron 4 and Avenue F border Zone 11 to the south and north, respectively. Activities of concern in adjacent zones include heavy industrial operations in Zone 10 and storage of fuel and hazardous materials in Zone 13 (Parcel 69) and Zone 17 (Parcel 124).

Zone Target Areas and Compounds of Concern

This zone contains no zone-wide target areas and 23 parcel-specific target areas. This subsection of the ZAP provides an overview of the parcel-specific target areas. Detailed information regarding the parcel-specific target areas and the proposed sampling is provided in the PEPs for individual parcels. The nature and locations of the parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

Zone 11 Target Areas

- There are no zone-wide target areas in Zone 11.

Parcel 50 Target Areas

- No parcel-specific target areas were identified on this parcel.

Parcel 51 Target Areas

Five parcel-specific target areas were identified for Parcel 51 as indicated below. Eight surface soil samples and 34 soil vapor samples will be collected from this parcel. Samples are shown on Figure 6-51-1.

- Target Area 1 (Building 11): The entire floor area of the building will be targeted, although sampling will be biased toward areas where aircraft are positioned for maintenance. The sampling strategy will be based on the observation that 25 percent of the floor was stained. This results in approximately 23,000 square feet of suspect area for VOCs. The likelihood of environmental impact having occurred within this target area is classified as potential. Samples to be collected in this Target Area are listed on Table 6-51-1.

- Target Area 2, (Building 11, Fiberglass Shop): The fiberglass shop along the north side of the building will be targeted, specifically in the vicinity of the hazardous materials locker, as a potential area for VOCs and metals. The likelihood of environmental impact having occurred within this target area is classified as potential. Samples to be collected in this Target Area are listed on Table 6-51-1.

- Target Area 3 (Building 11, Metal Working Shop): The metal working shop located along the north side of the building will be targeted as a potential area for TPH, VOCs, and metals because of the staining observed at the base of equipment. The likelihood of environmental impact having occurred within this target area is classified as suspect. Samples to be collected in this Target Area are listed on Table 6-51-1.

- Target Area 4 (SWMU/GAP 7): The GAP site located in the southwest portion of Building 11 will be targeted as a potential area for VOCs, TPH, and metals. The likelihood of environmental impact having occurred within this target area is classified as suspect. Samples to be collected in this Target Area are listed on Table 6-51-1.

- Target Area 5 (Open Space): The entire open space area to the west and south of Building 11 will be targeted as a potential area for VOCs and TPH because of the staining evident in aerial photographs and reported aircraft refueling activities conducted in this area. The likelihood of environmental impact having occurred

within this target area is classified as potential. Samples to be collected in this Target Area are listed on Table 6-51-1.

Parcel 52 Target Areas

Three parcel-specific target areas were identified for Parcel 52 as indicated below. Fifteen soil vapor samples will be collected from this parcel. Sample locations are shown on Figure 6-52-1.

- Target Area 1 (Building 400, Fiberglass Shop): The fiberglass shop in the northwest corner on the first floor will be targeted as a potential area for VOCs. Although the total square footage for the entire fiberglass shop is approximately 8,000 square feet, sampling will be concentrated in the areas of specific concern. Therefore, the sampling density will be changed to one sample per 2,000 square feet (for a total of two samples). Actual sampling locations will be determined on-site. Samples to be collected in this target area are listed in Table 6-52-1.

- Target Area 2 (Building 400, Motor Test Room and Cleaning Room): The motor test room and cleaning room, both located along the east side of the first floor, covering approximately 1,600 square feet, will be targeted as a potential area for VOCs. Samples to be collected in this target area are listed in Table 6-52-1.

- Target Area 3 (Building 400, Hangar Floor): The hangar floor in the southern half of the building will be targeted as a potential area for VOCs due to the years of usage as an aircraft maintenance hangar and the multiple stains observed on the 60,000 square feet of floor area during the site inspection. Samples to be collected in this target area are listed in Table 6-52-1.

Parcel 53 Target Areas

Three parcel-specific target areas were identified for Parcel 53 as indicated below. Six surface soil samples and 22 soil vapor samples will be collected from this parcel. Sample locations are shown on Figure 6-53-1.

- Target Area 1 (Building 12, Former Metal Grinding Shop): The former metal grinding shop (located on the northwest side of the building and spanning approximately 900 square feet), will be targeted as a potential area for VOCs, TPH, and metals. Two surface soil samples will be collected from this shop. Samples to be collected in this Target Area are listed on Table 6-53-1.

- Target Area 2 (Building 12, Floor): The floor will be targeted as a potential area for VOCs. Soil vapor sampling will be collected along the perimeter and under an aircraft maintenance station. Based on the extensive aircraft maintenance activity that was conducted in this building, approximately 43,000 square feet of floor will be sampled. Samples to be collected in this Target Area are listed on Table 6-53-1.

- Target Area 3 (Open Space): The entire open space to the east and south of Building 12 will be targeted as a potential area for VOCs because of staining evident in aerial photographs and the reported refueling activities that conducted in this area. Samples to be collected in this Target Area are listed on Table 6-53-1.

Parcel 70 Target Areas

Four parcel-specific target areas were identified for Parcel 70 as indicated below. Six surface soil samples and 21 soil vapor samples will be collected from this parcel. Sample locations are shown on Figure 6-70-1.

- Target Area 1 (Building 39): The soils located under the concrete in the open hangar area may have been impacted by ongoing lubrication activities. The target area covers approximately 1,000 square feet and is classified as having a potential likelihood of impacts. This target area is intended to be a small area representative of the full hangar area. Samples to be collected in this Target Area are listed in Table 6-70-1.

- Target Area 2 (Open Space): The soil beneath the hazardous materials and hazardous waste lockers located on the west side of Building 39 may have been impacted by spills of petroleum products stored in these containers. The compounds of concern in this area are VOCs and TPH. The potential impact from VOCs will be addressed as part of Target Area 3. Target Area 2 covers approximately 100 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this Target Area are listed in Table 6-70-1.

- Target Area 3 (Open Space): The soils located under the concrete in the eastern, western, and southern areas of the parcel may have been impacted by VOCs and TPH from fueling operations in these areas. The target area covers approximately 130,000 square feet and is classified as having a potential likelihood of impacts. Samples to be collected in this Target Area are listed in Table 6-195-1.

- Target Area 4 (Open Space): The soils located under the concrete in stained areas of the helicopter landing pads may have been impacted with TPH compounds. One landing pad will be sampled, and will be considered representative of the remaining four. This target area covers 500 square feet, and is classified as having a potential likelihood of impacts. Samples to be collected in this Target Area are listed in Table 6-70-1.

Parcel 71 Target Areas

- Target Area 1 (Equipment Shed and Fenced Area): This target area addresses the possible release of compounds of concern associated with metals, fuel, solvents, and lubricating oil stored and used within the equipment shed and fenced area in the northeast portion of the parcel. The size of this target area is approximately 5,000 square feet. The likelihood of environmental impacts having occurred within this target area is classified as potential. Four soil vapor samples will be collected in this target area. Samples to be collected in this Target Area are listed in Table 6-71-1.

Parcel 72 Target Areas

- Target Area 1 (Open Space): Landscaped and unpaved areas maintained since approximately 1940 may have been impacted by pesticide residues. This target area covers approximately 6,200 square feet and has been classified as having a potential likelihood of impacts. Three surface soil samples will be collected in this Target Area. Samples to be collected in this Target Area are listed in Table 6-72-1.

Parcel 195 Target Areas

Two parcel-specific target areas were identified for Parcel 195 as indicated below. Two surface soil samples and 18 soil vapor samples will be collected from this parcel. Sample locations are shown on Figure 6-195-1.

- Target Area 1 (Building 40): The soils under the concrete in the open hangar area and in the northeast slide door lubrication area may have been impacted by TPH. The target area covers approximately 1,000 square feet and is classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-195-1.

- Target Area 2 (Open Space): The soils under the concrete in the eastern and southern areas of the parcel may have been impacted by fueling operations in these areas. The target area covers approximately 110,000 square feet and is classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-195-1.

Parcel 196 Target Areas

Two parcel-specific target areas were identified for Parcel 196 as indicated below. Two surface soil samples will be collected from this parcel. Sample locations are shown on Figure 6-196-1.

- Target Area 1 (Northeast Corner of Building 41): This target area addresses the possible release of petroleum products in the northeast corner of Building 41. The size of this target area is approximately 100 square feet. The likelihood of environmental impacts having occurred within this target area is classified as potential. One surface soil sample will be collected in this target area. Samples to be collected in this target area are listed in Table 6-196-1.

- Target Area 2 (Center of Building 41): This target area addresses the possible release of petroleum products in the central area of Building 41. The size of this target area is approximately 100 square feet. The likelihood of environmental impacts having occurred within this target area is classified as potential. One surface soil sample will be collected in this target area. Samples to be collected in this target area are listed in Table 6-196-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) and soil vapor sampling (SOP 6) are the screening-level techniques that will be employed to assess conditions in the parcel-specific target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

Figure 6-Z11-1 illustrates screening-level sample locations for the parcel-specific target areas in this zone. For the parcel-specific target areas, a total of 27 surface soil samples and 114 soil gas samples will be collected. No zone-wide samples will be collected as no zone-wide target areas were identified for Zone 11. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-

level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the zone areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: subsurface Geoprobe soil sampling (SOP 14), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-50

PARCEL 50 EVALUATION PLAN

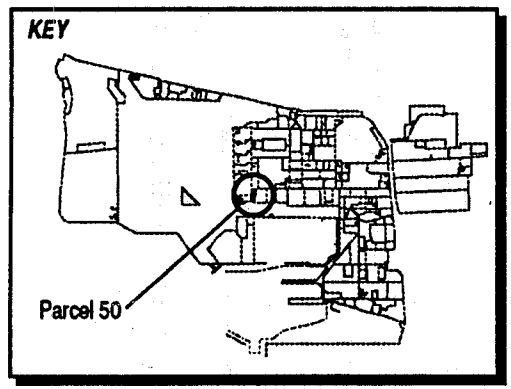
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 50 at NAS Alameda (Figure 6-50-1). The parcel, which is located in the central portion of the base, is 1.5 acres in size and rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with the Preliminary Endangerment Assessment requirements. Historical activities for Parcel 50 are discussed below.

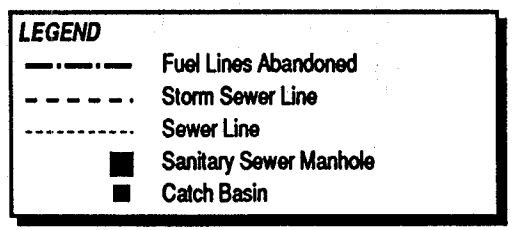
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 50 consistent with objective 1 identified in Section 1 of the Shell Workplan. This subsection also identifies other areas of concern on the parcel.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 51, 52, 53, 70, 71, 72, 195, and 196. This parcel zone has been designated the Southern Hangar Zone (Zone 11). The Southern Hangar Zone encompasses the parcels located south of Building 5 that are used as hangars and hangar support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 11.





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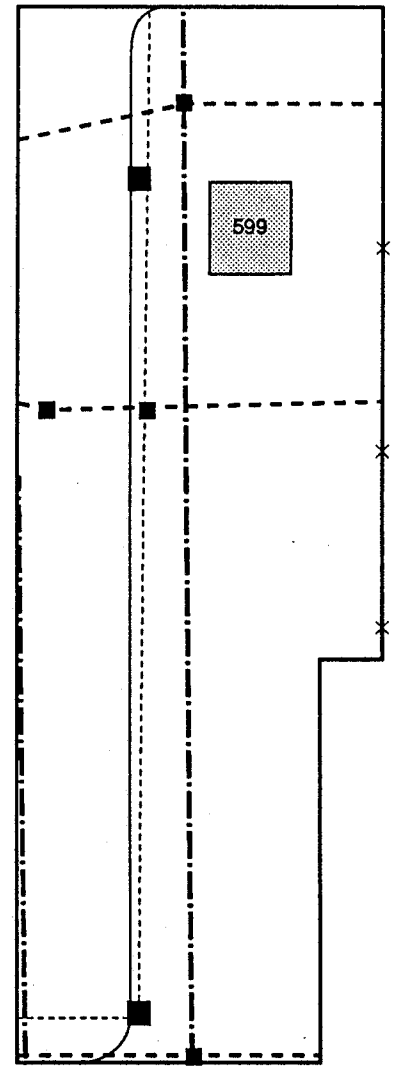


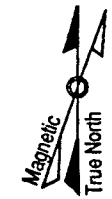


Figure 6-50-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94B

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 599) covers approximately five percent of the parcel. The remaining 95 percent is open space. The parcel area is presently in use as a storage area and an electrical substation. No buildings or structures were formerly located on the parcel. Underground sewer lines are present on this parcel and are shown on Figure 6-50-1.

Parcel 50 is located approximately 300 feet southwest of an Installation Restoration (IR) Program site (IR Site 5-Building 5). No previous investigations have been conducted at Parcel 50 and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 599

Building 599 was constructed between 1975 and 1981 and is an electrical substation (Figure 6-50-1). Although listed as a building on the NAS Alameda building inventory, Building 599 is actually not a building, but a fenced enclosure with a concrete foundation. The building is in good condition and covers approximately 1,600 square feet. The space occupied by Building 599 was formerly open space used for parking and storage.

Utilities located within and immediately surrounding Building 599 include underground sanitary sewer, storm sewer, water, electrical, abandoned fuel, and industrial sewer lines. No permits appear to have been issued for this building.

Information collected during the EBS indicates that the activities conducted within this building included storage and electrical substation functions. No chemicals are documented to have been stored or used in Building 599, except one large transformer that is oil-filled. The transformer was labeled as not containing PCBs. PCB-

containing transformers are documented to have been present on Parcel 50, but none were noted during the site inspections. No spills or staining were noted in the enclosure. No other incidents (e.g., fires, mishaps, flooding, crashes) are documented to have occurred within or near Building 599.

Open Space

The open space covers over 95 percent of the parcel. Open space on Parcel 50 has been used for vehicle parking. The open space is completely paved with concrete. The pavement is in good condition.

No buildings were formerly located in this open space. Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, water, electrical, abandoned fuel, and industrial sewer lines. No permits appear to have been issued for processes occurring within this open space.

No chemicals are documented to have been stored or used in the open space. No spills or staining other than that typical of vehicle parking areas were noted during the EBS review and site inspections. No other incidents (i.e. fires, mishaps, flooding, etc.) are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 50 is bounded by Parcels 23, 29, 30, 49, and 51. Activities of concern on these adjacent parcels include aircraft rework, fueling, painting and finishing, and maintenance on Parcels 30 and 51.

No parcels contiguous with Parcel 50 are IR sites, therefore, no sampling is called for in this PEP in response to any nearby IR site. If the continuing investigations at nearby IR sites reveals a cause for concern at Parcel 50, then sampling on Parcel 50 may be appropriate. Activities on Parcel 51 may potentially impact Parcel 50. Sampling for this boundary is being proposed in the Parcel 51 PEP. If the results of this sampling reveals that sampling is warranted on Parcel 50, then appropriate sampling will be conducted.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 50, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-50-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers and lead-based paint. Sampling and imaging associated with sewer lines is also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3. No Industrial Hygiene (IH) sampling is required for Parcel 50 because no industrial buildings are present.

Once the data gaps in Table 6-50-1 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 50 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas have been identified. However, the remaining data gaps (concerns pertaining to: lead-based paint, PCBs, underground lines, and nearby IR sites) must be resolved before this parcel can be leased or transferred.

TABLE 6-50-1

Summary of Data Gaps
NAS Alameda Parcel 50

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 50.
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) is located 300 feet northeast of Parcel 50. Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• Fuel lines identified.

TABLE 6-50-1

Summary of Data Gaps
NAS Alameda Parcel 50

Data Gap	Status/Description
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

SECTION 6-51

PARCEL 51 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 51 at NAS Alameda (Figure 6-51-1). The parcel, which is located in the south central portion of the base, is approximately 5 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains two RCRA units (SWMU/GAP 6 and SWMU/GAP 7); however, none are listed in the Part B permit as requiring a RCRA Facility Investigation (RFI). Five parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling, subsurface GeoProbe, and soil gas sampling. Table 6-51-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 51, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 51, consistent with objective 1 identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 50, 52, 53, 70, 71, 72, 195, and 196. This parcel zone has been designated the Southern Hangar Zone (Zone 11). The Southern Hangar Zone encompasses the

TABLE 6-51-1

Summary of Recommended Samples

NAS Alameda Parcel 51

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Compounds of Concern	Target Analytes	Analytical Method
51-1-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
51-2-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
51-3-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
51-4-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
51-4-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 1	TPH	TPH	CLP RAS
51-5-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
51-5-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 1	TPH	TPH	CLP RAS
51-6-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
51-6-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 1	TPH	TPH	CLP RAS
51-7-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
51-8-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
51-9-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
51-10-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
51-11-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
51-12-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
51-13-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
51-14-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
51-15-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
51-16-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC

TABLE 6-51-1

Summary of Recommended Samples

NAS Alameda Parcel 51

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Compounds of Concern	Target Analytes	Analytical Method
51-17-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
51-18-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
51-19-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
51-20-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
51-21-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
51-22-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
51-23-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 2	VOCs	VOCs	GC
51-24-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 2	VOCs	VOCs	GC
51-25-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	Metals	Metals	CLP RAS
51-26-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	TPH	TPH	Modified EPA 8015
51-26-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	Metals, VOCs	Metals, VOCs	CLP RAS
51-27-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	TPH	TPH	Modified EPA 8015
51-27-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	Metals, VOCs	Metals, VOCs	CLP RAS
51-28-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 4	TPH	TPH	Modified EPA 8015
51-28-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 4	Metals	Metals	CLP RAS
51-29-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 4	VOCs	VOCs	GC
51-30-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 5	VOCs	VOCs	GC
51-31-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 5	VOCs	VOCs	GC

TABLE 6-51-1
Summary of Recommended Samples
NAS Alameda Parcel 51

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Compounds of Concern	Target Analytes	Analytical Method
51-32-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 5	VOCs	VOCs	GC
51-33-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 5	VOCs	VOCs	GC
51-34-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 5	VOCs	VOCs	GC
51-35-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 5	VOCs	VOCs	GC
51-36-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 5	VOCs	VOCs	GC
51-37-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 5	VOCs	VOCs	GC
51-38-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 5	VOCs	VOCs	GC
51-39-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 5	TPH	TPH	Test Kit
51-40-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 5	TPH	TPH	Test Kit
51-41-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 5	TPH	TPH	Test Kit
51-42-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 5	TPH	TPH	Test Kit
51-42-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 5	TPH	TPH	CLP RAS

*This is the suggested location for the confirmation sample. The actual location will depend on field analytical results.

parcels located south of Building 5 that are used as hangars and hangar support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 11.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, three buildings (Buildings 11, 311, and 312) cover approximately 55 percent of the parcel. The remaining 45 percent is open space. The parcel area is presently in use as an aircraft maintenance and rework area, with vehicle parking space and material and drum storage in the open space. One building (Building 197) was formerly located on the parcel and has since been demolished. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-51-1.

Parcel 51 is located immediately west of an Installation Restoration (IR) Program site (IR Site 10A, Building 400) and approximately 250 feet south of IR Site 5 (Building 5). No previous investigations have been conducted at Parcel 51 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 11

Building 11 was constructed in 1941 and has since served as an aircraft maintenance and rework hangar (Figure 6-51-1). This building is in fair condition. Building 11 is a one story building constructed of concrete with a steel frame. It has a concrete floor, a redwood plank and tar paper roof, and covers approximately 91,000 square feet. Building 11 is approximately 250 feet wide and 360 feet long. There are offices located in built-up loft areas on the north and south sides of the building. Building 11 is the original facility constructed at this location.

Utilities located within and immediately surrounding Building 11 include underground sanitary sewer, storm sewer, steam, water, electrical, and abandoned fuel lines. Air permits for solvent cleaning were issued for this building in 1993.

Information collected during the EBS indicates that activities conducted within this building include aircraft and component rework, known as "D-level (depot-level) maintenance." It appears that Building 11 has been used for this and similar purposes since its construction. Aircraft and component rework processes involve disassembly of and corrosion control for all major subsections of the aircraft, removal and replacement of panels, wings, landing gear, wiring systems, and electronic equipment, and the inspection and repair of various aircraft components. In short, every major system aboard an aircraft undergoes some maintenance in this hangar. Additionally, an ejection seat shop and fiberglass shop are located along the north side of the hangar, while a metal working shop is located along the south side. The fiberglass shop was formerly used as a plating shop. The industrial processes occurring in Building 11 typically involve the use or generation of chemicals and wastes, including solvents, degreasers, lubricating oils, primers, and corrosives. These processes and related chemical use and storage have occurred within Building 11 from 1941 to the present. It should be noted that rooms 143 (transformer room) and 148 (private contractor's janitor closet) could not be inspected because of accessibility restrictions.

Non-halogenated organics, halogenated organics, petroleum products, and paint are documented to have been stored and used in Building 11 during 1993. Approximately 2,000 gallons of the above chemicals, including acetone, hydraulic fluid, grease, and alcohol, were stored in Building 11 during 1993. Disposal of used chemicals is accomplished by collecting the wastes at the Generator Accumulation Point (GAP) sites GAP site 6 and GAP site 7. GAP site 6 is located in the northwest corner of the building, and GAP site 7 is located in the southwest corner of the building. During 1993, approximately 1,600 gallons of hazardous wastes, including paint, petroleum products, fuel, non-halogenated organics and metals were collected at Building 11.

No spills were noted during document review; however, information collected from former employee interviews indicate that many undocumented spills as a result of aircraft maintenance activities have occurred at various areas within Building 11. A typical spill or leak might involve anywhere from one to ten gallons of hydraulic fluid, lube oil, and JP-5 (jet fuel). Slow, continuous leaks from parked aircraft are usually captured by drip trays. The current concrete hangar floor has been painted over many times and is approximately 20 years old.

Site inspection notes indicate that the floor has experienced severe settling because of earthquakes. Reportedly, any spills are cleaned up, and wastes are sent to the GAP sites. The stains on the floor of Building 11 vary in size and have a medium intensity. Approximately 25 percent of the hangar floor was stained. These stains are being investigated under Target Area 1.

During the site inspection, an oily stain was observed at the base of sheet metal equipment in the metal working shop located along the north side of Building 11. The stain covered approximately five percent of the concrete floor. Also, evidence of a spill at GAP site 7 was noted; a five-foot by six-foot patch of paint on the concrete floor seemed to have been dissolved away. In the southwest corner of the building, oily stains were observed to cover roughly 30 percent of the area along the hangar door tracks. Lastly, a two-foot by four-foot stain was also noted at the base of a hazardous materials locker in the fiberglass shop, located at the north side of the building. The chemicals involved are unknown but are likely to be acetone, enamel, adhesives, sealants or anti-seize compounds.

Building 11 does not appear to have a heating-ventilation-air conditioning (HVAC) system. No other incidents, such as fires, mishaps, or flooding are documented to have occurred within Building 11. Potential radiological hazards do not appear to be of concern in Building 11, however, radioactive waste and depleted uranium are known to have been stored within the adjacent facility (Building 400). Radiological considerations will be addressed in other sampling programs and are not considered in this PEP.

Building 311

Building 311 was constructed in 1942 and served as a material and equipment storage area. This building was not inspected because of accessibility limitations. Building 311 is a one story building constructed of concrete, and covers approximately 100 square feet. This building is scheduled for demolition. The space occupied by Building 311 was formerly part of the apron area associated with Building 11.

Utilities located within and immediately surrounding Building 311 include underground sanitary and storm sewer lines. No permits appear to have been issued for this building.

Information collected during the EBS indicates that this building was consistently used as a material and equipment storage area. No detailed records were available specifying the types and quantities of material stored in Building 311. No documented spills were found for

Building 311. Building 311 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents, such as fires, mishaps, or flooding, are documented to have occurred within Building 311. Radioactive waste and depleted uranium are known to have been stored within the adjacent parcel (Buildings 400 and 310). Radiological considerations will be addressed in other sampling programs and are not considered in this PEP.

Building 312

Building 312 was constructed in 1942 and has served as a miscellaneous storage locker. This building is in moderately good condition. Building 312 is a one story building constructed of concrete with a metal floor and door, and covers approximately 100 square feet. The space occupied by Building 312 was formerly part of the apron area associated with Building 11.

Utilities located within and immediately surrounding Building 312 include underground sanitary sewer, and storm sewer lines. No permits appear to have been issued for this building.

Information collected during the EBS indicates that activities conducted within this building included storage of solvents and class E explosives. It is currently used to store aircraft parts. It does not appear that any industrial processes were ever conducted within Building 312. No detailed records were available specifying the types and quantities of material stored in Building 312.

No documented spills were noted during document review. No staining was noted during the site inspection. Building 312 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents, such as fires, mishaps, or flooding, are documented to have occurred within Building 312. Radioactive waste and depleted uranium are known to have been stored within the adjacent parcel (Buildings 400 and 310). Radiological considerations will be addressed in other sampling programs and are not considered in this PEP.

Building 197

Building 197 was constructed in 1945 and served as a general warehouse. This building was demolished in 1975. Building 197 was a Quonset hut structure and covered approximately 750 square feet. Construction materials used for this building are unknown. It is unknown whether any chemicals were stored in this building.

Open Space

The open space occupies approximately 45 percent of the parcel. In general, the open space on Parcel 51 has consistently been used for aircraft and vehicle parking and material storage. The ground surface of the open space is 100 percent paved. Approximately 30 percent of the paved area is surfaced with asphalt and 70 percent is paved with concrete. The pavement is generally in good condition. There are no structures located within the open space.

Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, water, electrical, fuel, and industrial sewer lines.

EBS information indicates that activities conducted within this open space have always included aircraft and vehicle parking and material storage. Currently, the open space is also used for empty drum storage along the west side of Building 11. These activities have occurred on Parcel 51 from 1941 to the present. Information collected from an interview with a long-time NAS sailor and former employee indicates that aircraft refueling operations took place on the open space at the south side of Building 11.

No chemicals are documented to have been stored in the open space. No spills have been documented to occur in the open space. Undocumented spills may have occurred as part of the refueling operations. No staining other than typical staining related to vehicle and maintenance equipment parking was noted during the site inspection. Review of aerial photographs indicates that aircraft were parked on the apron along the west, south, and east (prior to the construction of Building 400) sides of Building 11. Staining is evident but relatively light in intensity. No other incidents, including fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 51 is bounded by Parcel 23 to the south, Parcel 50 to the west, Parcel 49, Avenue F, and Parcel 54 to the north, and Parcel 52 to the east. Parcels 54 and 52 are IR sites (Sites 5 and 10A, respectively). Concerns to be noted on these adjacent parcels include aircraft refueling on Parcel 23 and the industrial and non-industrial wastes targeted in the IR program for Parcels 54 and 52.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with these sites on the parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes two RCRA sites (site numbers SWMU/GAP 6 and SWMU/GAP 7). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, of the two RCRA sites at this parcel, one (SWMU/GAP 7: Target Area 4) requires further investigation. A brief description of each of the RCRA sites is provided below. The sampling proposed for the site that requires sampling is described in the Target Areas and Compounds of Concern subsection.

SWMU/GAP 6 is located in the northwest portion of Building 11 and is managed by Shop 95823. It is unknown whether any chemicals were released from this site. Site inspection did not reveal any staining and no sampling has been proposed for this GAP Site. The chemicals of concern associated with this site include sweeping compound with oil and fuel wastes. This site is currently active.

SWMU/GAP 7 is located in the southwest portion of Building 11 and is managed by Shop 95821. It is unknown whether any chemicals were released from this site. The chemicals of concern associated with this site include petroleum oil, JP-5, and Freon 113. This site is currently active. Inspection of this site noted that a 30 square foot area of paint appeared to be dissolved away, this may be evidence of a possible spill or leak.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 51, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient

TABLE 6-51-2

Summary of Data Gaps
NAS Alameda Parcel 51

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• Identified in Building 11.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Building 11 is an industrial facility that requires inspection by an industrial hygienist.
Installation Restoration (IR) Sites	• Building 400 (IR Site 10A) located immediately west of Parcel 51.
Lead-Based Paint (LBP)	• Potentially present within/outside Buildings 11, 311, 312.
PCB-Containing Equipment	• 4 PCB-containing transformers formerly located in Building 11.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Parcel 52, IR Site 10A (Building 400) • Parcel 54, IR Site 5 (Building 5).
Potential Zone-Wide Release Areas	• No zone-wide release areas identified.
Potential Parcel-Specific Release Areas	• Building 11, entire floor area. • Building 11, Fiberglass Shop. • Building 11, Metal Working Shop. • Building 11, SWMU/GAP 7. • Parcel 51, Open Space.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of USTs identified.
Underground Utilities	• Abandoned fuel lines, storm sewer, industrial sewer, sanitary sewer, steam, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.

TABLE 6-51-2

Summary of Data Gaps
NAS Alameda Parcel 51

Data Gap	Status/Description
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands have been identified at this parcel.
Other	• Radioactive wastes and depleted uranium waste stored on adjacent parcel (Parcel 52).

information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-51-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in corresponding protocols presented in Section 3.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 11. A one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-51-2 are addressed and screening-level sampling results from the target areas described below are compared to appropriate screening levels, Parcel 51 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target areas. No zone-wide target areas were identified for this parcel. The nature and locations of the parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following five parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-51-2.

- Target Area 1 (Building 11): The entire floor area of the building will be targeted, although sampling will be biased toward areas where aircraft are positioned for maintenance. The sampling strategy will be based on the observation that 25 percent of the floor was stained. This results in approximately 23,000 square feet of suspect area for VOCs. Three soil vapor and subsurface samples will be collected from Target Area 1 from three locations with the highest concentrations of VOCs in soil vapor. These subsurface sample are currently collocated with sample number's 4, 5, and 6 but may be collocated with those soil vapor samples in Target Area 1 with the highest concentrations instead. The likelihood of environmental impact having occurred within this target area is

classified as potential. Samples to be collected in this Target Area are listed on Table 6-51-1.

- Target Area 2, (Building 11, Fiberglass Shop): The fiberglass shop along the north side of the building will be targeted, specifically in the vicinity of the hazardous materials locker, as a potential area for VOCs and metals. The likelihood of environmental impact having occurred within this target area is classified as potential. Samples to be collected in this Target Area are listed on Table 6-51-1.

- Target Area 3 (Building 11, Metal Working Shop): The metal working shop located along the ~~north~~ south side of the building will be targeted as a potential area for TPH, VOCs, and metals because of the staining observed at the base of equipment. The likelihood of environmental impact having occurred within this target area is classified as suspect. Samples to be collected in this Target Area are listed on Table 6-51-1.

- Target Area 4 (SWMU/GAP 7): The GAP site located in the southwest portion of Building 11 will be targeted as a potential area for VOCs, TPH, and metals. The likelihood of environmental impact having occurred within this target area is classified as suspect. Samples to be collected in this Target Area are listed on Table 6-51-1.

- Target Area 5 (Open Space): The entire open space area to the west and south of Building 11 will be targeted as a potential area for VOCs and TPH because of the staining evident in aerial photographs and reported aircraft refueling activities conducted in this area. The likelihood of environmental impact having occurred within this target area is classified as potential. Samples to be collected in this Target Area are listed on Table 6-51-1.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in target areas and to identify areas that require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3), soil vapor sampling (SOP 6) and subsurface GeoProbe sampling (SOP 14). Table 6-51-1 summarizes screening-level sampling and analysis for the parcel's target areas. Eight surface soil samples, three subsurface GeoProbe, and 34 soil vapor samples will be collected from the locations shown on Figure 6-51-1. Sampling will be conducted in accordance with the

referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

In Target Area 1, the perimeter of Building 11 will be sampled for VOCs at approximately 100-foot intervals using soil vapor sampling. Ten soil vapor samples will be collected around the perimeter immediately outside of the building to allow for greater accessibility during sampling, and four soil vapor samples will be collected along the western perimeter within the building. Within Building 11, eight soil vapor samples will be collected from two representative aircraft maintenance stations. Three soil vapor and subsurface samples will be collected from Target Area 1 from three locations with the highest concentrations of VOCs in soil vapor. These subsurface sample are currently collocated with sample number's 4, 5, and 6 but may be collocated with those soil vapor samples in Target Area 1 with the highest concentrations instead. At each of the two selected maintenance stations, one sample will be collected from the area of heaviest staining, and three samples will be collected from the perimeter of the maintenance station.

Since the open space in Target Area 5 is nearly 70,000 square feet, the sampling density for soil vapor samples will be decreased to one sample per 7,800 square feet, yielding nine samples. Additionally, four surface soil samples will be collected from this area and analyzed for TPH. Furthermore, the PEP for Parcel 23 targets the open space above Taxiway No. 7 and below Parcel 51 for metals, TPH and VOCs as well, which ensures sufficient screening-level coverage for this area.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: chip sampling (SOP 18), wipe sampling (SOP 20), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-52

PARCEL 52 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 52 at NAS Alameda (Figure 6-52-1). The parcel, which is located in the south central portion of the base, is approximately 4.3 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains five RCRA sites, however, none are listed in the Part B permit as requiring an RFI. Three target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include soil gas sampling and subsurface GeoProbe sampling. Table 6-52-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 52, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 52, consistent with objective 1 identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 50, 51, 53, 70, 71, 72, 195, and 196. This parcel zone has been designated the Southern Hangar Zone (Zone 11). The Southern Hangar Zone encompasses the parcels located south of Building 5 that are used as hangars and hangar support facilities. During the sampling program development, the

TABLE 6-52-1

Summary of Recommended Samples
NAS Alameda Parcel 52

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Compounds of Concern	Target Analytes	Analytical Method
52-1-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
52-1-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 1	VOCs	VOCs	CLP RAS
52-2-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	VOCs	GC
52-3-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 2	VOCs	VOCs	GC
52-3-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 2	VOCs	VOCs	CLP RAS
52-4-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 2	VOCs	VOCs	GC
52-5-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 2	VOCs	VOCs	GC
52-6-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
52-6-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 3	VOCs	VOCs	CLP RAS
52-7-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
52-7-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 2	VOCs	VOCs	CLP RAS
52-8-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
52-9-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
52-10-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
52-11-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
52-12-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
52-13-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC

TABLE 6-52-1

Summary of Recommended Samples
NAS Alameda Parcel 52

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Compounds of Concern	Target Analytes	Analytical Method
52-14-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
52-15-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC

parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 11.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 400) covers approximately 85 percent of the parcel. The remaining 15 percent is open space. The parcel area is presently in use for avionics components rework, with vehicle parking in the open space. Fuel and sewer lines are present on this parcel and are shown on Figure 6-52-1.

Parcel 52 is an Installation Restoration (IR) Program site (IR site 10A) and is located approximately 200 feet south of Building 5 (IR site 5). In Volume 1 of the *Data Summary Report, RI/FS Phases 2B and 3, Final,* prepared by PRC Environmental Management, Inc. and Montgomery Watson for the Navy Comprehensive Long-Term Environmental Action Navy (CLEAN) program, soil analytical results for borings drilled in Parcel 52 are listed. Monitoring wells were installed in these three borings (Figure 6-52-1). Thirteen soil samples were analyzed for Volatile Organic Compounds (VOCs), Semivolatile Organic Compounds (SVOCs), metals, and pesticides/Polychlorinated Biphenyls (PCBs). None of the VOC and SVOC concentrations reported exceeded the EPA Preliminary Remedial Goals (PRGs) for either the unrestricted use or industrial scenarios. For metals, only arsenic and beryllium were detected in levels exceeding the PRGs. The arsenic levels in all samples exceeded the arsenic unrestricted use PRG of 0.97 mg/kg. One sample was greater than the industrial PRG of 3.3 mg/kg. Beryllium was detected in five of the soil samples at concentrations greater than the beryllium unrestricted use PRG of 0.4 mg/kg. No concentrations exceeded the industrial PRG for beryllium. Pesticides and PCBs were not detected in any of the soil samples.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 400

Building 400 was constructed in 1957 and has served as a missile, armament, and avionics rework facility (Figure 6-52-1). This building is in good condition. Building 400 is a three story building in the ~~northern~~ southern half, and is constructed of reinforced concrete with a concrete floor and built up asphalt-construction roof. Building 400 covers approximately 126,000 square feet. The south half of the building is a high-bay hangar space, also referred to as Building 400A. The space occupied by Building 400 was formerly apron open space used for aircraft parking and maneuvering.

Utilities located within and immediately surrounding Building 400 include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines. Air permits for degreaser, spray booth, abrasive blasting, fiberglass operation, dryers, fabricating, solvent use, silk screening use, printing ink, laminating, and ovens were issued for this building in 1993.

Information collected during the EBS indicates that activities conducted within this building included armament and missile rework, aircraft maintenance and rework, and since 1966, avionics components repair. It appears that Building 400 has been used for avionics repair in the northern half of the building and aircraft rework in the southern half consistently since 1966. Processes that occur in Building 400 include solvent cleaning, degreasing, painting, sanding, soldering, silk screening, and equipment calibration. These types of industrial processes typically involve the use or generation of chemicals and wastes. The above processes occurred within Building 400 from 1966 to the present.

On the first floor, the following types of shops exist (from west to east): fiberglass/plastics, Public Works Center (PWC) facility maintenance, radar repair and testing, electronic testing, electrical test room for rotating devices (in the southeast corner), motor test room, and a cleaning room with ultrasonic, high pressure, and heavy duty parts cleaners. The staining in these areas is being investigated in Target Areas 1, 2, and 3.

The second floor is primarily used for general electronic repair workstations. A graphic arts shop complete with a silk screen room, photo development room, and a silver recovery unit, lies toward the south end of the building. A cleaning room with solvent cleaning booths is located along the north edge, while a lead handling room and paint room are in the northwest corner of the building. Releases in this area will be investigated by an industrial hygienist, under a one time compliance plan.

Similarly, the third floor is reserved for general electronic repair with a paint spray booth in the southeast corner. Releases in this area will be investigated by an industrial hygienist, under a one time compliance plan.

The hangar space in the southern half of the building is dominated by aircraft maintenance stations, where rework on many of the major areas of the aircraft is accomplished. The remaining space is used to store miscellaneous aircraft parts.

Non-halogenated organics, halogenated organics, metals, paint, corrosives, and petroleum products are documented to have been stored in hazardous materials lockers and used throughout Building 400 during 1993. Approximately 50,000 gallons of acetone, freon, paint thinner, isopropyl alcohol, methyl ethyl ketone (MEK), naphtha, primers, paint, lube oil, and others were stored in Building 400. Disposal of used chemicals is accomplished by collecting the wastes at a one of the five Generator Accumulation Point (GAP) sites in the area. GAP sites 36, 37 and 38 are located on the first floor of the building, GAP site 39 is located on the second floor, and GAP site 42 is located on the third floor. For 1993, approximately 1,400 gallons of hazardous wastes, including paint, petroleum products, non-halogenated and halogenated organics, corrosives, and metals, were collected.

No spills were noted during the document review. Review of site inspection data indicates that undocumented spills occurred at multiple locations, many at the individual shops, while other incidents occurred in the hangar space in the southern half of the building. The staining in these areas is being investigated in Target Areas 3.

On the first floor as noted during the site inspection, staining covers 30 square feet in the generator test shed (motor test room), located along the east side of the building. Also, the concrete floor area beneath the machinery and paint spray booth found in the fiberglass shop, located in the northwest corner of the building, exhibited many stains. The staining in these areas is being investigated in Target Areas 1, and 2.

On the second floor, the silk screen room was found to have a six square foot area of heavy staining on the concrete floor. Similarly, a four square foot black and white paint stain on concrete was found in the paint room along the west wall. Also a 10 square foot stain on floor tile from unknown chemicals was observed in midst of electronic repair workstations 160 feet west and 90 feet south of the northeast corner of Building 400. Two floor drains, both on the second floor, were observed to be sealed, one intentionally with masking tape, and the other, located near chemical storage, by dirt and grime. Releases in

this area will be investigated by an industrial hygienist, under a one time compliance plan.

On the third floor, small stains were found in the spray paint booth in the southeast corner. Releases in this area will be investigated by an industrial hygienist, under a one time compliance plan.

The largest collection of stains was found in the hangar area of Building 400. Several large stains ranging in area from 60 to 100 square feet seem to be caused by spills from aircraft or maintenance equipment; all were light in intensity and on concrete. A pattern of dark stains was also evident along maintenance vehicle concrete roadways. The staining in these areas is being investigated in Target Areas 3.

Building 400 is equipped with a heating-ventilation-air conditioning (HVAC) system. Soot and dust were noted at the supply and exhaust registers. Stains on ceiling tiles were observed near ducts. Dust was also noted on vertical surfaces within the building. During the rooftop inspection, the northwest corner of the roof was noted to have an arrangement where one exhaust unit pushes air into the intake path of another unit. The routings of these branches of the HVAC system are unknown. No other incidents, such as fires, mishaps, or flooding are documented to have occurred within Building 400.

Open space

The open space on Parcel 52 covers approximately 15 percent of the parcel and consists of the area surrounding Building 400. In general, the open space on Parcel 52 has consistently been used for aircraft and vehicle parking. The ground surface of the open space is completely paved. Approximately 70 percent of the paved area is surfaced with asphalt and 30 percent is paved with concrete. The pavement is generally in good condition.

There are no structures located within the open space.

Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines. No permits have been issued for processes occurring within this open space.

EBS information indicates that activities conducted within this open space have always included aircraft and vehicle parking. Information collected from an interview with a long-time NAS sailor and former

employee indicates that aircraft refueling operations took place on the open space at the south side of Building 400.

No chemicals are documented to have been stored in the open space.

Spills of hexavalent chromium and diesel oil were documented and occurred in 1992. Approximately 3,000 gallons of hexavalent chromium and 1.5 gallons of diesel oil were both spilled onto asphalt between Building 400 and Building 5. The spills were immediately cleaned up using a vacuum truck and absorbent material, respectively; however, an unknown quantity of hexavalent chromium escaped into the storm drains on Avenue F. No staining other than typical staining related to vehicle and maintenance equipment parking was noted during the site inspection. Review of aerial photographs dated 1940 to 1953 indicates that aircraft parking occurred on the apron open space which is now occupied by Building 400. The area appears entirely paved and medium intensity staining is evident. In the aerial photographs after 1953 to present, aircraft are observed to be parked on the apron to the south of Building 400.

No other incidents, including fires, mishaps, or flooding are documented to have occurred within the open space. Also, potential radiological hazards do not appear to be of concern in the open space of Parcel 52.

Underground Storage Tanks

One underground storage tank (UST) exists at this parcel. An abandoned UST, that formerly held diesel oil, is located in the northeast corner of the parcel and is scheduled to be removed. The tank has a 500 gallon capacity and failed tightness testing in July of 1990.

Parcel Boundary Conditions

Parcel 52 is bounded by Parcels 23, 51, 54, and 57. Activities of concern on these adjacent parcels include aircraft refueling on Parcel 23 and the storage and handling of industrial and non-industrial wastes targeted in the IR program for Parcel 54. Avenue F borders Parcel 52 to the north.

RCRA Sites

This subsection identified RCRA Sites and requirements associated with these sites on the parcel, consistent with objectives 2, 6, and 7 in

Section 1. This parcel includes five RCRA sites (SWMU/GAP 36, SWMU/GAP 37, SWMU/GAP 38, SWMU/GAP 39, SWMU/GAP 42). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, of the five RCRA sites at this parcel, none require further investigation. A brief description of each RCRA site is provided below. The sampling proposed for the sites that require sampling is described in the Target Areas and Compounds of Concern subsection.

SWMU/GAP 36 is located on the first floor of Building 400. It is unknown whether any chemicals were released from this site. No staining was noted during the site inspection. The chemicals of concern associated with this site include aerosol paint, MEK, acetone, and naphtha. This site is currently active.

SWMU/GAP 37 is located on the first floor of Building 400 and is managed by Shop 94212. It is unknown whether any chemicals were released from this site. No staining was noted during the site inspection. The chemicals of concern associated with this site include aerosol paint, Calla 800 detergent, hydraulic and lube oil, 1, 1, 1-TCA, and Freon TF. This site is currently active.

SWMU/GAP 38 is located on the first floor of Building 400 and is managed by Shop 94216. It is unknown whether any chemicals were released from this site. No staining was noted during the site inspection. The chemicals of concern associated with this site include water base primer, paints, alcohol, poly thinner, epoxy paint, and MEK. This site is currently active.

SWMU/GAP 39 is located on the second floor of Building 400 and is managed by Shop 94132. It is unknown whether any chemicals were released from this site. No staining was noted during the site inspection. The chemicals of concern associated with this site include aerosol paint, lacquer, zinc chromate primer, Freon 113, paint stripper sludge, synthetic hydraulic oil, silicone oil, P-D-680, alcohol, naphtha, and thinners. This site is currently active.

SWMU/GAP 42 is located on the third floor of Building 400 and is managed by Shop 94215. It is unknown whether any chemicals were released from this site. No staining was noted during the site inspection. The chemicals of concern associated with this site include batteries, beryllium, aerosol paint, petroleum oil, silicone oil, solvents, hydraulic fluid, alcohol, mercury and PCBs. This site is currently active.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 52, fulfilling objectives 3, 4, 5, 8, 9, and 10 in Section 1 of the Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another category. The data gaps shown in Table 6-52-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently ongoing to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines is also addressed separately. Sampling associated with USTs, fuel lines, and sewers is discussed in corresponding protocols presented in Section 3.

Although no IH sampling is specified in this PEP, IH issues are potentially of concern in Building 400. An Industrial Hygienist will inspect the interior of Building 400 and make a case-by-case determination if further sampling or cleanup measures are required within this building before this parcel can be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target areas. The nature and locations of these areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following three parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-52-2.

- Target Area 1 (Building 400, Fiberglass Shop): The fiberglass shop in the northwest corner on the first floor will be targeted as a potential area for VOCs. Although the total square footage for the entire fiberglass shop is approximately 8,000 square feet, sampling will be concentrated in the areas of specific concern. Therefore, the sampling density will be changed to one sample per 2,000 square feet (for a total of two samples). Actual sampling locations will be determined on-site. Samples to be collected in this target area are listed in Table 6-52-1.

TABLE 6-52-2

Summary of Data Gaps
NAS Alameda Parcel 52

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 5 (Building 5) is located adjacent to the northside of Parcel 52. Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Parcel 23, Aircraft Refueling
Potential Zone-Wide Release Areas	• No potential zone-wide release areas identified.
Potential Parcel-Specific Release Areas	• Building 400, fiberglass shop • Building 400, motor test room, cleaning room • Building 400, silk screening room • Building 400, general workspace • Building 400, hangar floor
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

TABLE 6-52-2

Summary of Data Gaps
NAS Alameda Parcel 52

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• One UST located in the northeast corner of the parcel. Future actions for this tank are unknown
Underground Utilities	• Storm sewer, sanitary sewer, electrical, natural gas, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

- Target Area 2 (Building 400, Motor Test Room and Cleaning Room): The motor test room and cleaning room, both located along the east side of the first floor, covering approximately 1,600 square feet, will be targeted as a potential area for VOCs. Samples to be collected in this target area are listed in Table 6-52-1.

- Target Area 3 (Building 400, Hangar Floor): The hangar floor in the southern half of the building will be targeted as a potential area for VOCs due to the years of usage as an aircraft maintenance hangar and the multiple stains observed on the 60,000 square feet of floor area during the site inspection. Samples to be collected in this target area are listed in Table 6-52-1.

Screening-Level Investigation

Soil vapor sampling (SOP 6) and subsurface GeoProbe soil sampling (SOP 14), are the screening-level techniques that will be employed to assess conditions in target areas and to identify areas that require further sampling in the follow-up detailed evaluation phase.

Table 6-52-1 summarizes screening level sampling and analysis for the parcel's target areas. Fifteen soil vapor samples and four subsurface GeoProbe samples will be collected from the locations shown on Figure 6-52-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix B, the screening-level protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: surface soil sampling (SOP 3), wipe sampling (SOP 20), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix B, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-53

PARCEL 53 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 53 at NAS Alameda (Figure 6-53-1). The parcel, which is located in the south central portion of the base, is approximately five acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA site, however, it is not listed in the Part B permit as requiring an RCRA Facility Investigation (RFI). Five parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling, subsurface GeoProbe sampling, and soil gas sampling. Table 6-53-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 53, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 53, consistent with objective 1 identified in Section 1 of the Shell Workplan. This subsection also identifies the Installation Restoration Program site and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 50, 51, 52, 70, 71, 72, 195 and 196. This parcel zone has been designated the Southern Hangar Zone (Zone 11). The Southern Hangar Zone encompasses the parcels located south of Building 5 that are used as hangars and hangar

TABLE 6-53-1
Summary of Recommended Samples
NAS Alameda Parcel 53

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Compounds of Concern	Target Analytes	Analytical Method
53-1-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Mod. EPA 8015
53-1-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Metals, VOCs	Metals, VOCs	CLP RAS
53-2-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Mod. EPA 8015
53-2-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Metals, VOCs	Metals, VOCs	CLP RAS
53-3-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 2	VOCs	VOCs	GC
53-4-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 2	VOCs	VOCs	GC
53-5-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 2	VOCs	VOCs	GC
53-6-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 2	VOCs	VOCs	GC
53-7-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 2	VOCs	VOCs	GC
53-8-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 2	VOCs	VOCs	GC
53-9-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 2	VOCs	VOCs	GC
53-10-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 2	VOCs	VOCs	GC
53-11-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 2	VOCs	VOCs	GC
53-12-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 2	VOCs	VOCs	GC
53-13-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 2	VOCs	VOCs	GC

TABLE 6-53-1
Summary of Recommended Samples
NAS Alameda Parcel 53

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Compounds of Concern	Target Analytes	Analytical Method
53-13-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 2	VOCs	VOCs	CLP RAS
53-14-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 2	VOCs	VOCs	GC
53-14-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 2	VOCs	VOCs	CLP RAS
53-15-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 2	VOCs	VOCs	GC
53-15-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 2	VOCs	VOCs	CLP RAS
53-16-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
53-17-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
53-18-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
53-19-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
53-20-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
53-21-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
53-22-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
53-23-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
53-24-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
53-25-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	VOCs	VOCs	CLP RAS

TABLE 6-53-1
Summary of Recommended Samples
NAS Alameda Parcel 53

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Compounds of Concern	Target Analytes	Analytical Method
53-26-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	VOCs	VOCs	CLP RAS
53-27-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	VOCs	VOCs	CLP RAS
53-28-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	VOCs	VOCs	CLP RAS

support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 11.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, three buildings (Buildings 12, 309, and 310) cover approximately 50 percent of the parcel. The remaining 50 percent is open space. The parcel area is presently in use as an aircraft maintenance and rework area with vehicle parking space and material and drum storage in the open space. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-53-1.

Parcel 53 is located immediately east of Installation Restoration (IR) Program site (IR Site 10A, Building 400) and approximately 250 feet south of IR Site 5 (Building 5). No previous investigations have been conducted at Parcel 53, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 12

Building 12 was constructed in 1941 and has since served as an aircraft maintenance and rework hangar (Figure 6-53-1). This building is in fair condition. Building 12 is a one story building constructed of concrete with a steel frame. It has a concrete floor, a wood roof, and covers approximately 91,000 square feet. Building 12 is approximately 250 feet wide and 360 feet long. Building 12 is the original facility constructed at this location.

Utilities located within and immediately surrounding Building 12 include underground sanitary sewer, storm sewer, steam, water, electrical, and industrial sewer lines. Air permits for storage tanks,

abrasive blasting, and fiberglass operations were issued for this building in 1993.

Information collected during the EBS indicates that activities conducted within this building include aircraft and component rework, known as "D-level (depot-level) maintenance." It appears that Building 12 has been used for this and similar purposes since its construction, although gaps in the historical records exist. Aircraft and component rework processes involve disassembly of and corrosion control for all major subsections of the aircraft. This includes removal and replacement of panels, wings, landing gear, wiring systems, electronic equipment, and the inspection and repair of various aircraft components. In short, every major system aboard an aircraft undergoes some maintenance in this hangar. Additionally, an oxygen shop and a former metal grinding shop are located in the northwest and southeast corners of Building 12, respectively. The industrial processes occurring in Building 12 typically involve the use or generation of chemicals and wastes, including solvents, degreasers, lubricating oils, primers, and corrosives. These processes and related chemical use and storage have occurred within Building 12 from 1941 to the present.

Non-halogenated organics, paint, metals, and petroleum products are documented to have been stored and used in Building 12 during 1993. Approximately 1,500 gallons of the above chemicals, including epoxy, solvent, enamel, sealant, Freon 113, acetone, alcohol, bromochloroethane, dibromodifluoromethane, and halon, were stored in Building 12 during 1993. Disposal of used chemicals is accomplished by collecting the wastes at the central Generator Accumulation Point (GAP) Site 33 in the area. Seven 55-gallon drums containing primer, hydraulic fluid, absorbent, sealant, beryllium, and uranium were observed at GAP Site 33. During 1993, approximately 450 gallons of hazardous wastes, including paint, petroleum products, and non-halogenated organics were collected at Building 12.

No spills were noted during the document review; however, site inspection records indicate that a former metal grinding shop located in the southeast corner of Building 12 exhibited scattered staining on 50 percent of the shop floor (approximately 900 square feet in area). The staining appears black and the chemical origin is unknown. Review of site inspection data and interviews with former employees indicate that undocumented spills may have occurred at multiple locations within Building 12, as a result of aircraft maintenance activitites. The stains range in size from one to ten square feet and are light to medium in intensity. The chemical releases in this area will be investigated in Target Area 2.

Building 12 does not appear to be equipped with a heating-ventilation-air conditioning (HVAC) system. The only significant dusts or residues on surfaces that were noted occurred in the former metal grinding shop. Approximately 20 percent of the floor was observed to be covered with metal shavings. No other incidents, such as fires, mishaps, or flooding are documented to have occurred within Building 12.

Building 309

Building 309 was constructed in 1942 and served as a general maintenance and aircraft parts storage shed. This building was not inspected because of accessibility limitations. Building 309 is a one story building constructed of concrete covering approximately 100 square feet. The space occupied by Building 309 was formerly the apron area associated with Building 12.

Utilities located within and immediately surrounding Building 309 include underground sanitary sewer and storm sewer lines. No permits appear to have been issued for this building.

Information collected during the EBS indicates that this building was consistently used as a maintenance and parts storage shed. An unspecified amount of chemicals, including degreasers and hydraulic fluid, were also stored in the building. Currently, Building 309 is vacant. No detailed records were available specifying the types and quantities of materials stored in Building 309.

No documented spills were observed for Building 309. Building 309 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents, such as fires, mishaps, or flooding are documented to have occurred within Building 309. Radioactive waste and depleted uranium are known to have been stored within adjacent Building 12. Radiological considerations will be addressed in other sampling programs and are not considered in this PEP.

Building 310

Building 310 was constructed in 1942 and serves as a general maintenance and aircraft parts storage shed. This building is in moderate condition. Building 310 is a one story building constructed of concrete with a concrete floor, and covers approximately 100 square feet. The space occupied by Building 310 was formerly part of the apron area associated with Building 12.

Utilities located within and immediately surrounding Building 310 include underground sanitary sewer and storm sewer lines. No permits appear to have been issued for this building.

Information collected during the EBS indicate the primary use for Building 310 was aircraft parts storage. Site inspections noted presently, the building functions to store depleted uranium. The uranium is stored in four shielded metal boxes, eight cubic feet in volume, each.

No chemicals were documented to have been stored in Building 310. Also, no documented spills were noted to have occurred. No staining was visible inside the building during the site inspection. Building 310 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents, such as fires, mishaps, or flooding are documented to have occurred within Building 310.

The building functions to store depleted uranium and radioactive waste and depleted uranium are also known to have been stored within the adjacent Building 12. Radiological considerations will be addressed in other sampling programs and are not considered in this PEP.

Open Space

The open space on Parcel 53 covers approximately 50 percent of the parcel. In general, the open space on Parcel 53 has been used for aircraft and vehicle parking, and material and drum storage. The ground surface of the open space is completely paved. Approximately 30 percent of the paved area is surfaced with asphalt and 70 percent is paved with concrete. The pavement is generally in good condition. There are no structures located within the open space.

Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, water, electrical, fuel, and industrial sewer lines. No permits have been issued for processes occurring within this open space.

EBS information indicates that activities conducted within this open space have always included aircraft and vehicle parking. Currently, a fenced material storage area near the northeast corner of Building 12, contains empty corrosives and flammable liquid drums, and aircraft engine containers. This area is reportedly a former paint stripping area. The material storage area was inaccessible and not directly inspected, however, a suspected oil/water separator was observed within the area. To the south of this fenced area there were several large, steel trailers on concrete slabs labeled for hazardous waste storage. Information

collected from an interview with a long-time NAS sailor and former employee indicated that aircraft refueling operations were conducted on the open space at the south side of Building 12.

No chemicals are documented to have been stored in the open space. Also, no spill reports were observed during document review. No staining other than typical staining related to vehicle and maintenance equipment parking was noted during the site inspection. Review of aerial photographs indicates that aircraft were parked on the apron along the east, south, and west (prior to the construction of Building 400) sides of Building 12. Staining is evident and ranges from light to medium intensity. Chemical releases in this area will be addressed in the sampling for Target Area 3.

No other incidents, including fires, mishaps, or flooding are documented to have occurred within the open space. Radioactive waste and depleted uranium are known to have been stored within adjacent Building 12. Radiological considerations will be addressed in other sampling programs and are not considered in this PEP.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 53 is bounded by Parcel 23 to the south, Parcel 52 to the west, Parcels 57 and 56 to the north, and Parcel 70 to the east. Parcel 54, located north of Parcel 53, and Parcel 52 are IR sites (Sites 5 and 10A, respectively). Activities of concern on these adjacent parcels include aircraft refueling on Parcel 23 and the industrial and non-industrial wastes targeted in the IR program for Parcels 54 and 52. Avenue F borders Parcel 53 to the north.

RCRA Sites

This subsection identifies the RCRA Site and requirements associated with this site on the parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes one RCRA site (SWMU/GAP 33). This site was evaluated consistent with the criteria

applied to other potential target areas at the parcel. Under these criteria, it does not require further investigation. A brief description of the RCRA site is provided below.

SWMU/GAP 33 is located in Building 12 and is managed by Shop 95923. It is unknown whether any chemicals were released from this site. The chemicals of concern associated with this site include aerosol paint, lacquer, beryllium, and stripper. This site is currently active.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 53, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-51-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines, and sewers is discussed in corresponding protocols presented in Section 3.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 12. A one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-53-2 are addressed and screening-level sampling results from the target areas described below are compared to appropriate screening levels, Parcel 53 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target areas. No zone-wide target areas were identified for this parcel. The nature and locations of these areas were evaluated to determine field investigation

TABLE 6-53-2

Summary of Data Gaps
NAS Alameda Parcel 53

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 10A (Building 400) is located immediately east Parcel 53 and approximately 250 feet south of IR Site 5 (Building 5). Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-53-2

Summary of Data Gaps
NAS Alameda Parcel 53

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following five parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-53-2.

- Target Area 1 (Building 12, Former Metal Grinding Shop): The former metal grinding shop (located on the northwest side of the building and spanning approximately 900 square feet), will be targeted as a potential area for VOCs, TPH, and metals. Two surface soil samples will be collected from this shop. Samples to be collected in this Target Area are listed on Table 6-53-1.

- Target Area 2 (Building 12, Floor): The floor will be targeted as a potential area for VOCs. Soil vapor samples and subsurface GeoProbe samples will be collected along the perimeter and under an aircraft maintenance station. Based on the extensive aircraft maintenance activity that was conducted in this building, approximately 43,000 square feet of floor will be sampled. Samples to be collected in this Target Area are listed on Table 6-53-1.

- Target Area 3 (Open Space): The entire open space to the east and south of Building 12 will be targeted as a potential area for VOCs because of staining evident in aerial photographs and the reported refueling activities that conducted in this area. Samples to be collected in this Target Area are listed on Table 6-53-1.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in target areas and to identify areas that require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3), soil gas sampling (SOP 6), and subsurface GeoProbe sampling (SOP 14). Table 6-53-1 summarizes screening-level sampling and analysis for the parcel's target areas. The sample locations are shown on Figure 6-53-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

In Target Area 2, the perimeter of the workspace in Building 12 will be sampled for VOCs at approximately 100-foot intervals using soil vapor sampling. Therefore, eight soil vapor samples samples will be collected around the perimeter. Five soil vapor samples will be collected from under Building 12, three of these will be collocated with subsurface GeoProbe samples. One representative aircraft maintenance station

will be selected for the remaining four samples, with one sample at the heaviest stained area and three placed at the perimeter of the station. Therefore, actual sampling locations must be determined on-site. Because of this and the large size of the target area (43,000 square feet), the total number of samples, twelve, reflects a decrease of the sampling density to approximately two samples for every 7,200 square feet.

Target areas 3 and 5 will undergo field-screening using Geiger-Mueller counters equipped with probes. Where measurements indicate surface radiation above background, surface soil samples for laboratory analysis will be collected from zero to six inches below ground surface in exposed soil in accordance with SOP 3.

Detailed Evaluation Phase

The detailed evaluation phase of sampling is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: chip sampling (SOP 18), wipe sampling (SOP 20), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-70

PARCEL 70 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 70 at NAS Alameda (Figure 6-70-1). The parcel, which is located in the central portion of the base, is approximately 8.6 acres in size and roughly square in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA site, however, it is not listed in the Part B permit as requiring a RCRA Facility Investigation (RFI). Four parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling, subsurface GeoProbe sampling, and soil gas sampling. Table 6-70-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 70, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 70 consistent with objective 1 identified in Section 1 of the Shell Workplan. This subsection also identifies the Installation Restoration Program site and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 50, 51, 52, 53, 71, 72, 195, and 196. This parcel zone has been designated the Southern Hangar Zone (Zone 11). The Southern Hangar Zone encompasses the parcels located south of Building 5 that are used as hangars and hangar

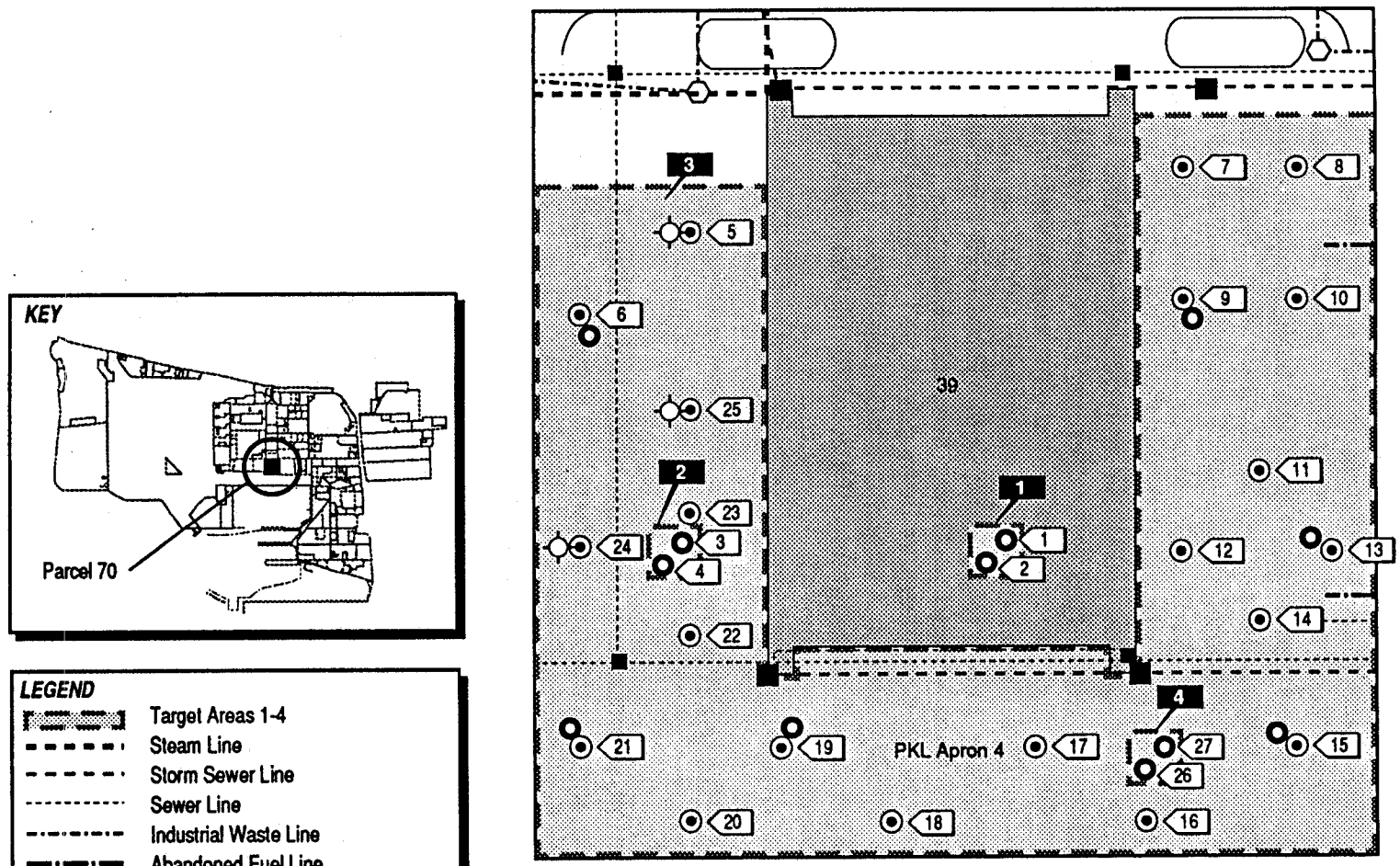


Figure 6-70-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/07.08.94

TABLE 6-70-1

Summary of Recommended Samples
NAS Alameda Parcel 70

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Compounds of Concern	Target Analytes	Analytical Method
70-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lubricating oils	TPH	Test Kit
70-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lubricating oils	TPH	Test Kit
70-2-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Lubricating oils	TPH	Modified EPA 8015
70-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Test Kit
70-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Test Kit
70-4-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Modified EPA 8015
70-5-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
70-5-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 3	VOCs	VOCs	CLP RAS
70-6-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
70-6-0-S-S-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 3	TPH	TPH	Modified EPA 8015
70-7-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
70-8-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
70-9-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
70-9-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	TPH	TPH	Test Kit
70-10-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	
70-11-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
70-12-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
70-13-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC

TABLE 6-70-1

Summary of Recommended Samples
NAS Alameda Parcel 70

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Compounds of Concern	Target Analytes	Analytical Method
70-13-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	TPH	TPH	Test Kit
70-14-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
70-15-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
70-15-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	TPH	TPH	Test Kit
70-16-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
70-17-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
70-18-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
70-19-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
70-19-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	TPH	TPH	Modified EPA 8015
70-20-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
70-21-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
70-21-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	TPH	TPH	Test Kit
70-22-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
70-23-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
70-24-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
70-24-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 3	VOCs	VOCs	CLP RAS
70-25-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 3	VOCs	VOCs	GC
70-25-3-S-V-DDMMYY	3'	GeoProbe	Soil	Target Area 3	VOCs	VOCs	CLP RAS

TABLE 6-70-1

Summary of Recommended Samples
NAS Alameda Parcel 70

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Compounds of Concern	Target Analytes	Analytical Method
70-26-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	TPH	TPH	Test Kit
70-27-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	TPH	TPH	Test Kit
70-27-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 4	TPH	TPH	Modified EPA 8015

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described int the Zone Analysis Plan for Zone 11.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 39) covers approximately 30 percent of the parcel. The remaining 70 percent is open space. The parcel area is presently in use as an aircraft maintenance hangar and supporting facilities. One building (Building 300) was formerly located on the parcel, and has been removed. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-70-1.

Parcel 70 is located adjacent to an Installation Restoration (IR) Program site (IR Site 12, Building 10) and 200 feet from another IR site (IR Site 5, Building 5). No previous investigations have been conducted at Parcel 70, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 39

Building 39 was constructed in 1944 and has since served as an aircraft maintenance hangar (Figure 6-70-1). Building 39 is a two-story building constructed of a steel frame, metal siding, and concrete walls. The floors are primarily concrete with tiles in the offices on the second floor. During the site inspection, the concrete floor was noted to be stained an in poor condition. The hangar covers approximately 123,000 square feet and has built-up roofing. The building is in fair condition.

Utilities located within and immediately surrounding Building 39 include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines.

Information collected during the EBS indicates that activities conducted within this building included light aircraft maintenance and painting. Light aircraft maintenance typically involves oil changes, minor repairs, and changing of worn equipment, such as tires. These maintenance activities were presumably conducted in most areas of the building. These activities typically involved the use of chemicals, including solvents and petroleum products (especially lubricating oils), and the generation of waste products, including waste oils. These types of industrial processes typically involved the use or generation of chemicals and wastes including aircraft fuels and oils. These processes occurred within Building 39 from 1944 to the present.

The building currently houses helicopters and sleds, a navy standard lab, and offices. Two sheds are located in Building 39 and are used for calibration of measurement instruments. The floor in the area is cleaned monthly.

Non-halogenated organics, explosives (flares), solvents, petroleum products, and metals are documented to have been stored in Building 39. The chemicals are either stored in the flammable material locker or in the northwest portion of the first floor of the building. Approximately 1,500 gallons of these chemicals are documented to have been stored in Building 39. This inventory was obtained by reviewing the authorized use list for Building 39. The authorized use list gives maximum quantities that can be stored in, or used in a building over the course of a year. This does not mean that the given quantity has been stored, but that the location given has the capacity to store the amount given. Less than 100 gallons of non-halogenated organics, and 30 pounds of mercury in a sealed manometer were observed during the site inspection. Flammable liquid hazardous waste is stored in a metal can in the flammable materials cabinet. Up to 500 gallons of hazardous waste can be stored at the GAP site in Building 39. The wastes stored here include petroleum products, paint, and non-halogenated organics. No spills were noted during the document review or the site inspecstion.

Building 39 is equipped with a heating-ventilation-air conditioning (HVAC) system. The ventilation system intake was dusty at the time of visual inspections. A PCB sign was observed on an exterior door in the northwest corner of the building, possibly leading to a transformer room. The door could not be opened during the site inspection. The tranformer room in the southwest corner of the hangar contains three transformers. No incidents, such as fires, mishaps, flooding, or crashes are documented to have occurred within Building 39.

Open Space

The open space covers approximately 70 percent of the parcel. The open space is used for vehicle parking, and has historically been used for aircraft fueling in the southern and eastern portions of the parcel. Extensive staining was noted on historical aerial photographs from 1947 to 1970. The ground surface of the open space is completely paved with concrete (approximately 75 percent of the open space) and asphalt (25 percent). The pavement is generally in fair condition. Utilities located within and immediately surrounding the open space associated with Building 39 include sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines.

Seven large metal storage lockers (CONEX boxes) are located on the west side of Parcel 70. They are used to store alodine, corrosives, paint, solvents, and miscellaneous hazardous waste. Occaisionally, the lockers function as mobile facility shops. The hazardous waste stored in one of the lockers is comprised of empty aerosol cans, oil cans, hydraulic fluid cans, engine oil, and transmission fluid. Staining and cracked concrete were noted in this area. On the west side of the hangar, adjacent to the ground services equipment (GSE) storage area, light oil and paint stains were observed. The stains were scattered throughout a thirty-foot by ten-foot area. Additional small oil and paint stains were documented near the southeast corner of Building 39.

Flammable liquids and miscellaneous materials in unknown quantities are stored in the open space on the south side of Building 39. These chemicals were kept in COMNAVPAC mobile facility containers. GSE storage is located adjacent to the mobile facilities containers. The quantities stored are unknown; site reviewers were unable to access the containers.

Five helipcopter landing pads are located on the south side of the parcel. Each pad is heavily stained (a twenty-foot by twenty-five foot area each).

No other incidents, such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

One underground storage tank exists at parcel 70. No information was available regarding the tank's integrity or capacity.

Parcel Boundary Conditions

Parcel 70 is bounded by Parcels 53, 195, 69, and 23. Activities of concern on these adjacent parcels include fuel use and storage on Parcel 69, and aircraft maintenance and refueling on Parcels 53, 195, and 23. If the results of any sampling proposed for any of these adjacent parcels indicates that activities on these parcels may have impacted Parcel 70, then additional sampling on Parcel 70 may be appropriate.

RCRA Sites

This subsection identifies the RCRA Site and requirements associated with this site on the parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes one RCRA site (site number SWMU/GAP 23). This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, the RCRA site at this parcel does not require further investigation. Site SWMU/GAP 23 is located in Building 39 and it is unknown whether any chemicals were released from this site. Site SWMU/GAP 23 contains 55-gallon drums. The chemicals of concern associated with this site include oil, solvents, and paint-related materials.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 70, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-70-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in corresponding protocols presented in Section 3.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 12. A one-time

TABLE 6-70-2

Summary of Data Gaps
NAS Alameda Parcel 70

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 12 (Building 10) is located adjacent to Parcel 70 and approximately 200 feet south of IR Site 5 (Building 5). Additional subsurface investigation relative to IR Site 5 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• One UST currently exists at Parcel 70. • Tank ID # Unknown. • Future actions for this tank are unknown.

TABLE 6-70-2

Summary of Data Gaps
NAS Alameda Parcel 70

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-70-2 are addressed and screening-level sampling results from the target areas described below are compared to appropriate screening levels, Parcel 70 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target areas. No zone-wide target areas were identified for this parcel. The nature and locations of these areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following four parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-70-2.

- Target Area 1 (Building 39): The soils located under the concrete in the open hangar area may have been impacted by ongoing lubrication activities. Lubricating oils are the compounds of concern. The target area covers approximately 1,000 square feet and is classified as having a potential likelihood of impacts. This target area is intended to be a small area representative of the full hangar area. Samples to be collected in this Target Area are listed in Table 6-70-1.

- Target Area 2 (Open Space): The soil beneath the hazardous materials and hazardous waste lockers located on the west side of Building 39 may have been impacted by spills of petroleum products stored in these containers. The compounds of concern in this area are VOCs and TPH. The potential impact from VOCs will be addressed as part of Target Area 3. Target Area 2 covers approximately 100 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this Target Area are listed in Table 6-70-1.

- Target Area 3 (Open Space): The soils located under the concrete in the eastern, western, and southern areas of the parcel may have been impacted by VOCs and TPH from fueling operations in these areas. The target area covers approximately 130,000 square feet and is classified as having a potential likelihood of impacts. Samples to be collected in this Target Area are listed in Table 6-70-1.

- Target Area 4 (Open Space): The soils located under the concrete in stained areas of the helicopter landing pads may have been impacted with TPH compounds. One landing pad will be sampled, and will be considered representative of the remaining four. This target area covers 500 square feet, and is classified as having a potential likelihood of impacts. Samples to be collected in this Target Area are listed in Table 6-70-1.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3), subsurface GeoProbe soil sampling (SOP 14), and soil gas sampling (SOP 6).

Table 6-70-1 summarizes screening-level sampling and analysis recommended for the parcel's target areas. Six surface soil samples, three subsurface GeoProbe samples, and 21 soil vapor samples will be collected from the locations shown on Figure 6-70-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Surface soil sampling locations shown on Figure 6-70-1 are approximate. The samples should be collected from the area immediately in front of the hazardous materials storage lockers for Target Area 1, and in the areas with the most significant staining for Target Areas 1, 2, and 4. If no staining is evident, then the samples should be distributed evenly over the target area.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the

screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-71

PARCEL 71 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 71 at NAS Alameda (Figure 6-71-1). The parcel, which is located in the southeast portion of the base, is approximately six acres in size and is roughly U-shaped. The parcel has been classified as requiring a high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains no RCRA sites. One parcel-specific and no zone-wide target investigation areas (target area) have been identified on this parcel. Subsurface GeoProbe sampling will be used to accomplish the screening-level investigation. Table 6-71-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 71, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 71, consistent with objective 1 identified in Section 1 of the Shell Workplan. This subsection also identifies the Installation Restoration Program site and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 50, 51, 52, 53, 70, 72, 195, and 196. This parcel zone has been designated the Southern Hangar Zone (Zone 11). The Southern Hangar Zone encompasses the parcels located south of Building 5 that are used as hangars and hangar support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the

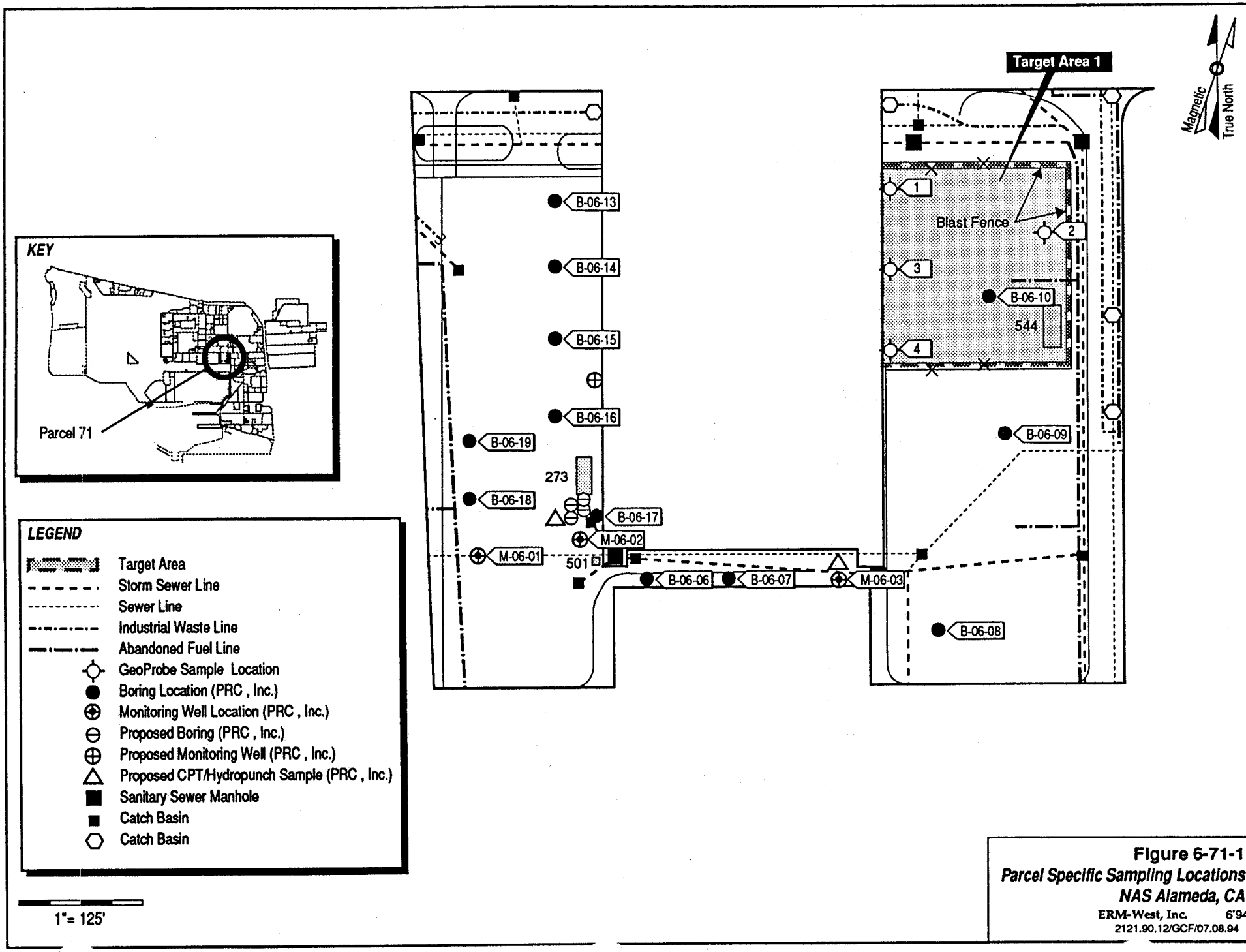


Figure 6-71-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/07.08.94

TABLE 6-71-1

Summary of Recommended Samples
NAS Alameda Parcel 71

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Compounds of Concern	Target Analytes	Analytical Method
71-1-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 1	VOCs	metals, VOCs, TPH	CLP RAS, Modified EPA 8015
71-2-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 1	VOCs	metals, VOCs, TPH	CLP RAS, Modified EPA 8015
71-3-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 1	VOCs	metals, VOCs, TPH	CLP RAS, Modified EPA 8015
71-4-3-S-V-DDMMYY	3.0'	GeoProbe	Soil	Target Area 1	VOCs	metals, VOCs, TPH	CLP RAS, Modified EPA 8015

entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 11.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, three buildings (Buildings 273, 501, and 544) cover approximately five percent of the parcel. The remaining 95 percent is open space. The parcel area is presently in use primarily for aircraft parking. One building (Building 45B) reportedly located on this parcel could not be found during site inspection. Base personnel could not identify or locate this building. According to EBS files, Building 45B is a general storage shed covering an area of 4,800 square feet. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-71-1.

Parcel 71 is located adjacent to IR Site 6. Previous investigations have been conducted at Parcel 71 and specific data regarding potential chemical occurrence are available.

Releases associated with IR Site 6 (the Aircraft Intermediate Maintenance Facility located on Parcel 196) may have impacted this parcel. Previous soil and groundwater sampling results for this IR site have been compiled in a 1993 report prepared by PRC Environmental Management, Inc., (under contract N62474-88-D-5086) entitled *Naval Air Station, Alameda: Data Summary Report RI/FS Phases 2B and 3.* Ongoing (follow-up) sampling is being performed by the IR contractor.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 273

Building 273 was built in 1943 and has always served as an airframe shop (Figure 6-71-1). For the past 15 years, space within this building has also been used as an X-ray room. This building is in fair condition. Building 273 is a Quonset hut with a concrete floor and covers approximately 850 square feet.

Information collected during the EBS indicates that activities conducted within this building included chemical storage. These chemicals included aircraft tire rim cleaner and a tank of solvents. There were approximately 30 gallons of these chemicals stored on the south side of the building in a parts cleaner tank. The concrete around the tank did not exhibit evidence of staining.

Building 501

Building 501 serves as a sewage pumping station. This 40 square foot structure is in fair condition. Based on documentation and aerial photographs, it is unclear when Building 501 was constructed. It is an all steel structure. There is no record of chemical releases, storage, or use in this area. The concrete floors were noted to be clean during visual inspections. The building appeared to be abandoned.

Building 544

Building 544 was built in 1974 and serves as a liquid oxygen facility that covers 960 square feet. This all steel structure is in fair condition. The floors are concrete and were painted at one time. There is no record of chemical releases, storage, or use in this area.

Open Space

The open space covers approximately 97 percent of the parcel. The open space is paved with both concrete and asphalt. The concrete surfaces are in good condition, while the asphalt surfaces are cracked.

EBS information indicates that activities conducted within this open space include equipment and vehicle parking and maintenance gear and equipment washdown areas. Structures and items located in the open space include equipment storage sheds, a concrete slab, vehicle parking, storage containers, and a former maintenance gear washdown tank. No documented storage of chemicals has occurred in the open space. The majority of the open space is used for vehicle parking. The concrete slab is located in the vehicle parking area, east of Building 41. The former maintenance equipment washdown area is located in the open space adjacent to the northeast corner of Building 41. The equipment washdown area is located at the southwest corner of Building 41. The storage lockers are primarily located in the open space adjacent to Building 41.

Batteries were stored on pallets next to a storage locker located by the northeast corner of Building 41. Two drains are present in this area that have been used in connection with washdown practices. One drain is located along the southwest corner of Building 41. The other drain is located in the street and collects washdown from maintenance gear.

An equipment storage shed is located in the northeast corner of the parcel. There is no record of chemical releases, storage, or use in this area. There were numerous large stained areas observed on the asphalt in and around the storage shed and fenced area. The stained areas covered more than 50 percent of the total area. Releases of oil, diesel, and engine fluids are likely responsible for the staining. Kitty litter was applied as an absorbent as part of a cleanup process.

Aerial photographs reveal extensive staining in the open space around Buildings 40 and 41 because of aircraft activity. Visual inspectors did note gray stains located along the northeast corner of the parcel; there was no indication of the type of compound that was released. Some oily stains from runoff were apparent in a 20-foot by 5-foot area.

Underground Storage Tanks

One abandoned tank is present at this parcel. No record regarding the tank number for this tank is available. The installation date, the capacity, and the material stored are unknown. The presence of this tank was identified during the site inspection. The available information did not identify why the tank was abandoned. However, based on general comments made by NAS Alameda personnel, tanks were most commonly abandoned because they were leaking.

Parcel Boundary Conditions

Parcel 71 is bounded by Parcels 109, 185, 196, and 206 to the north, Parcels 110 and 124 to the east, Parcel 23 to the south, and Parcel 195 to the west. Parcel 196 is IR Site 6 (Building 41, AIMD). Activities of concern on these adjacent parcels include storage, use, and generation of various aircraft related hazardous compounds. The former Seaplane Lagoon, IR Site 17, is located to the south of Parcel 71. If the continuing investigations at IR Sites 6 and 17 or at adjacent parcels reveal a cause for concern at Parcel 71, then additional sampling on Parcel 71 may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 71, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-71-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewer lines is discussed in corresponding protocols presented in Section 3.

Although no IH sampling is specified in this PEP, IH issues are potentially of concern in Buildings 273, 501, and 544. A one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

The majority of the of the parcel open space is paved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 71.

Once the data gaps in Table 6-71-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 71 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

One parcel-specific and no zone-wide target areas were identified for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for

TABLE 6-71-2

Summary of Data Gaps
NAS Alameda Parcel 71

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 6 (Building 41, AIMD) is located adjacent to Parcel 71. Additional subsurface investigation relative to IR Site 6 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• No potential zone-wide release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1: Equipment Shed and Fenced Area
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• One abandoned UST currently exists at Parcel 71. Future actions for this tank are unknown.

TABLE 6-71-2

Summary of Data Gaps
NAS Alameda Parcel 71

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Fuel lines identified.
Wetlands	• No wetlands identified at Parcel 71.
Other	• No evidence of other data gaps identified.

Zone 11. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. Samples to be collected in the target areas are listed on Table 6-71-1.

- Target Area 1 (Equipment Shed and Fenced Area): This target area addresses the possible release of compounds of concern associated with metals, fuel, solvents, and lubricating oil stored and used within the equipment shed and fenced area located in the northeast portion of the parcel. The size of this target area is approximately 5,000 square feet. The likelihood of environmental impacts having occurred within this target area is classified as potential. Four subsurface GeoProbe samples will be collected in this target area and analyzed for metals, VOCs and TPH.

Screening-Level Investigation

Subsurface Geoprobe soil sampling (SOP 14) will be the screening-level technique employed to assess conditions in the target area and to identify areas that require further sampling in the follow-up detailed evaluation phase. Table 6-71-1 summarizes screening-level sampling and analysis recommended for the parcel's target area. Four subsurface Geoprobe soil samples will be collected from the locations shown on Figure 6-71-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Previous investigations have assessed conditions in the open space at Parcel 71. Follow-up detailed evaluations are being conducted by the IR contractor. As part of a former screening-level sampling effort summarized in the 1993 PRC report titled *Naval Air Station, Alameda: Data Summary Report RI/FS Phases 2B and 3*, a total of 60 soil samples have been collected at different depths from 12 soil borings and three monitoring wells throughout Parcel 71. One surface and three subsurface soil samples were collected from each boring and monitoring well. This investigation was conducted by PRC in 1992. Soil and groundwater samples were analyzed for metals, PCBs, VOCs, SVOCs, pesticides, and TPH. These soil borings (B-06-06, B-06-07, B-06-08, B-06-09, B-06-10, B-06-13, B-06-14, B-06-15, B-06-16, B-06-17, B-06-18, and B-06-19) and monitoring wells (M-06-01, M-06-02, and M-06-03) are located on or adjacent to Parcel 71 as shown in Figure 6-71-1.

The 1993 PRC report indicated that all metals and organic compounds were detected at concentrations below USEPA's January 1994 industrial

and unrestricted use PRGs for soil, except for SVOCs, arsenic, and beryllium. In all borings within Parcel 71, benzo(a)pyrene was the primary semivolatile detected above unrestricted use and industrial PRGs (or the detection limit was above the PRG) in both surface and subsurface soil samples. Other semivolatiles detected above restricted use and/or industrial PRGs (or the detection limits were above PRGs) from borings include anthracene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(ghi)perylene, benzo(k)fluoranthene, and indeno(1,2,3-cd)pyrene.

Groundwater sampling results from the three monitoring wells located on Parcel 71 indicate that most metals, except arsenic and manganese, detected in groundwater were below USEPA's December 1993 MCLs. The VOCs, 1,2-DCE, TCE, and vinyl chloride were detected above USEPA's December 1993 MCLs in two of the monitoring wells (M-06-01 and M-06-02).

The IR contractor has proposed follow-up sampling for the open space of Parcel 71 including four borings, two CPT/HydroPunch, and one monitoring well as shown in Figure 6-71-1. Final sample locations may vary from that shown on Figure 6-71-1.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the previous investigations. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: surface soil sampling (SOP 3), soil vapor sampling (SOP 6), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-72

PARCEL 72 EVALUATION PLAN

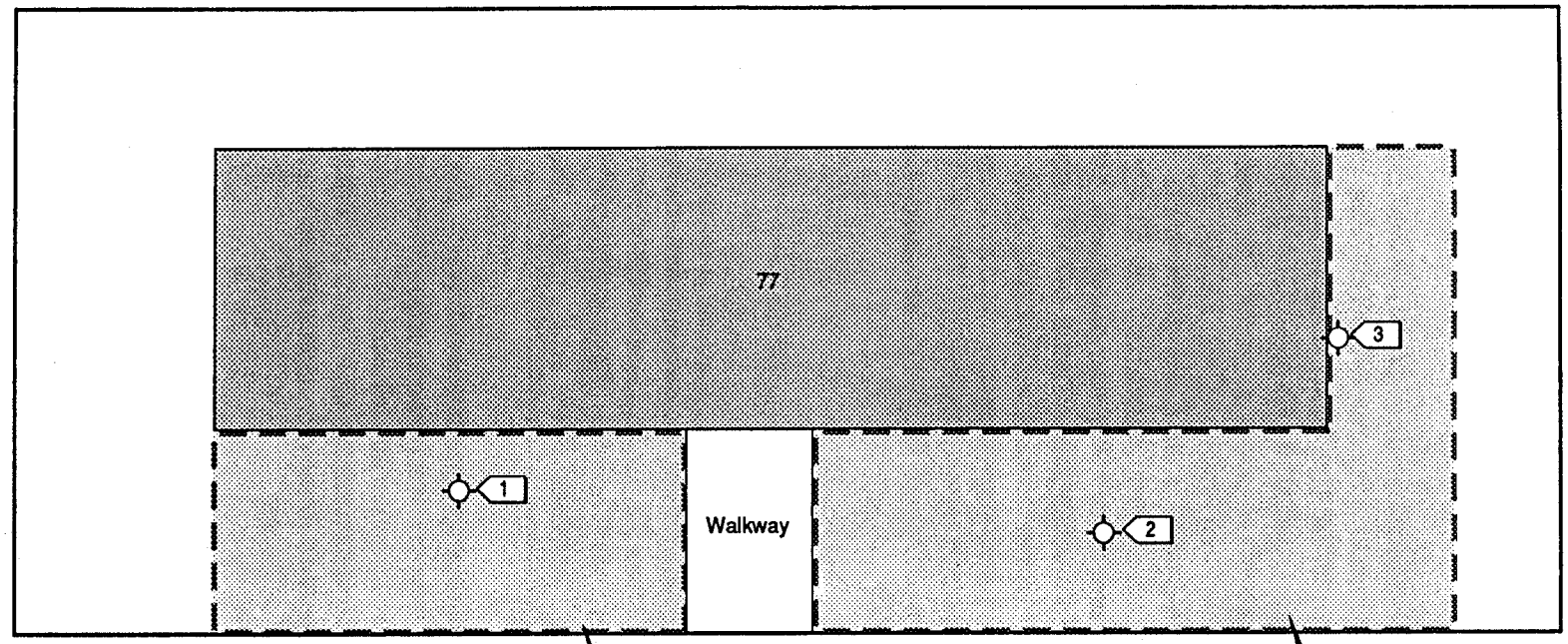
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 72 at NAS Alameda (Figure 6-72-1). The parcel, which is located in the central portion of the base, is approximately a half acre in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. Surface soil sampling and subsurface GeoProbe sampling will be used to accomplish the screening-level investigation. Table 6-72-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 72, historical activities are discussed below.

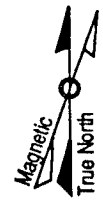
Background and Historical Activities

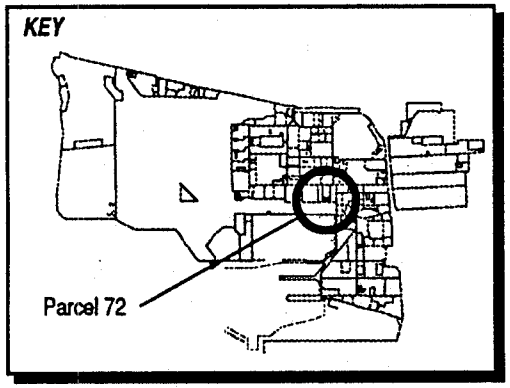
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 72, consistent with objective 1 identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

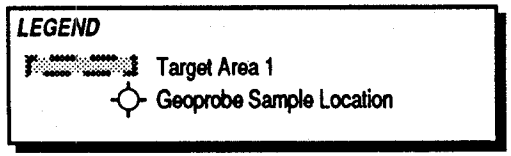
Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 50, 51, 52, 53, 70, 71, 195, and 196. This parcel zone has been designated the Southern Hangar Zone (Zone 11). The Southern Hangar Zone encompasses the parcels located south of Building 5 that are used as hangars and hangar support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future









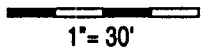


Figure 6-72-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/07.08.94

TABLE 6-72-1

Summary of Recommended Samples

NAS Alameda Parcel 72

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Compounds of Concern	Target Analytes	Analytical Method
72-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	Pesticides	CLP RAS
72-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	Pesticides	CLP RAS
72-3-2-S-V-DDMMYY	2.0'	GeoProbe	Soil	Target Area 1	Chlordane	Pesticides	CLP RAS

data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 11.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 77) and one structure (an old storage building located at the northwest corner of Building 77) cover approximately 55 percent of the parcel. The remaining 45 percent is open space. The parcel area is presently in use as an air terminal. There is no available documentation indicating former structures or buildings. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-72-1.

Parcel 72 is located approximately 50 feet south of Installation Restoration (IR) Program Site 6 (Building 41) and within 500 feet of IR Site 17 (Former Seaplane Lagoon). No previous investigations have been conducted at Parcel 72, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 77

Building 77 was constructed in 1942 and was intended to be a heating plant, electric distribution area, and air cargo terminal (Figure 6-72-1). This building is in fair condition. Building 77 is a three-story building constructed of concrete with a concrete floor, and has a floor plan area of approximately 21,000 square feet. Utilities located within and immediately surrounding Building 77 include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and overhead electrical lines.

The building is currently used as an operations air terminal, aviation support, an NAS Alameda supply depot, and as air terminal offices. Four oil-filled switches (marked "not sampled") and five transformers (unknown PCB content) are located in the building's transformer

room. An additional transformer may have been removed from this area approximately 10 to 15 years ago.

Small quantities of cleaning supplies are stored in the deep sink room on the first floor of Building 77. A chemical inventory lists 40 gallons of corrosives and non-halogenated organic compounds in Building 77.

An oily residue was observed by site inspectors underneath one of the oil-filled switches in the electrical room of Building 77. A three-foot by two-foot stain on the concrete below the switch appears to result from leakage from the switch. The switch and the stain should be considered as part of the program addressing PCB issues. An elevator motor was observed to be leaking a small amount of oil in the elevator mechanics room located on the roof.

Building 77 does not appear to be equipped with a heating-ventilation-air conditioning (HVAC) system. Decayed paint and floor tiles were noted during the site inspection. Significant peeling paint was found in the deep sink room located on the second floor of Building 77. Asbestos-containing piping insulation is reported to have been removed from beneath the warehouse. No incidents, such as fires, mishaps, flooding, or crashes are documented to have occurred within Building 77.

Open Space

The open space covers approximately 45 percent of the parcel. The ground cover of the open space is partially paved and partially landscaped with grass. The pavement is in moderately good condition. This parcel previously has open space areas that are currently landscaped. These open space areas are shown on Figure 6-72-1. These areas have been landscaped or unpaved since the parcel was completely filled in 1939.

The only structure within the open space is a storage structure located at the northwest corner of Building 77. Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, water, electrical, and abandoned fuel lines.

EBS information indicates that the use of this open space has included vehicle parking. Review of aerial photographs indicates significant staining in the areas surrounding the parcel from 1947 to 1970. Aircraft fueling is also reported to have occurred south of Buildings 39 through 41. The staining is not apparent on Parcel 72. No incidents, such as

fires, mishaps, flooding, or crashes are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 72 is bounded by Parcels 71 and 23. Parcel 196 is IR Site 6 (Building 41), and is located less than 100 feet north of Parcel 72. Activities of concern on these adjacent parcels include aircraft maintenance, washdown, and fueling on Parcels 71 and 23. If the sampling proposed for Parcels 23 and 71 indicate that these activities may have impacted Parcel 72, then additional sampling on Parcel 72 may be appropriate. The former Seaplane Lagoon lies less than 500 feet south of Parcel 72.

No parcels contiguous with Parcel 72 are IR sites, therefore, no sampling is called for in this PEP in response to the two nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 72, then additional sampling on Parcel 72 may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 72, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-72-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and

TABLE 6-72-2

Summary of Data Gaps
NAS Alameda Parcel 72

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 6 (Building 41, AIMD) is located within 500 feet of Parcel 72. Additional subsurface investigation relative to IR Site 6 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels that are not IR sites identified.
Potential Zone-Wide Release Areas	• No potential zone-wide release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1 (Open Space): Pesticides may have impacted the long-term landscaped area on Parcel 72.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-72-2

Summary of Data Gaps
NAS Alameda Parcel 72

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, abandoned fuel, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

sewer lines is discussed in corresponding protocols presented in Section 3.

Although no IH sampling is specified in this PEP, IH issues are potentially of concern in Building 77. A one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, only minimal pesticide sampling has been proposed for Parcel 72 in the parcel-specific target area.

Once the data gaps in Table 6-72-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 72 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP discusses the specific parcel target area. No zone-wide target areas were identified on Parcel 72. The nature and location of this area was evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Open Space): Landscaped and unpaved areas maintained since approximately 1940 may have been impacted by pesticide residues. This target area covers approximately 6,200 square feet and has been classified as having a potential likelihood of impacts. Two surface soil samples and one subsurface GeoProbe sample (at two feet bgs) will be collected in this Target Area as listed in Table 6-72-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14), are the screening-level investigation techniques that will be used to assess conditions in the target area and to identify areas that

may require further sampling in the follow-up detailed evaluation phase. Table 6-72-1 summarizes screening-level sampling and analyses recommended for the parcel's target area. Two surface soil samples and one subsurface GeoProbe sample (at two feet bgs) will be collected from the locations shown on Figure 6-72-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Surface soil sampling locations shown on Figure 6-72-1 are approximate. Samples should be collected from a variety of areas including open grass areas and edges of sidewalks and building foundations.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-195

PARCEL 195 EVALUATION PLAN

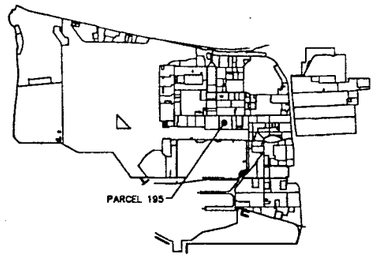
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 195 at NAS Alameda (Figure 6-195-1). The parcel, which is located in the central portion of the base, is approximately seven acres in size and roughly square in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA site, however, it is not listed in the Part B permit as requiring a RCRA Facility Investigation (RFI). Two parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. Surface soil sampling is the sampling technique called for in the screening-level investigation for these areas. Table 6-195-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 195, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 195 consistent with objective 1 identified in Section 1 of the Shell Workplan. This subsection also identifies the Installation Restoration Program site and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 50, 51, 52, 53, 70, 71, 72, and 196. This parcel zone has been designated the Southern Hangar Zone (Zone 11). The Southern Hangar Zone encompasses the parcels located south of Building 5 that are used as hangars and hangar support facilities. During the sampling program development, the



KEY PLAN

GENERAL LEGEND

PARCEL OUTLINE

SURFACE SOIL SAMPLE & No.

TARGET AREA & No.

FUEL LINE LEGEND

FUEL LINES ABANDONED

SANITARY SEWER LINE LEGEND

SANITARY SEWER MANHOLE & No.

GREASE TRAP

SANITARY SEWER LINE

MATERIALS:

C.I. – CAST IRON

NOTES:

1. ALL SANITARY SEWERS ARE VITRIFIED CLAY PIPE UNLESS NOTED OTHERWISE.

STEAM LINE LEGEND

STEAM LINE

INDUSTRIAL WASTE LINE LEGEND

INDUSTRIAL WASTE MANHOLE

INDUSTRIAL WASTE LINE

STORM DRAIN LEGEND

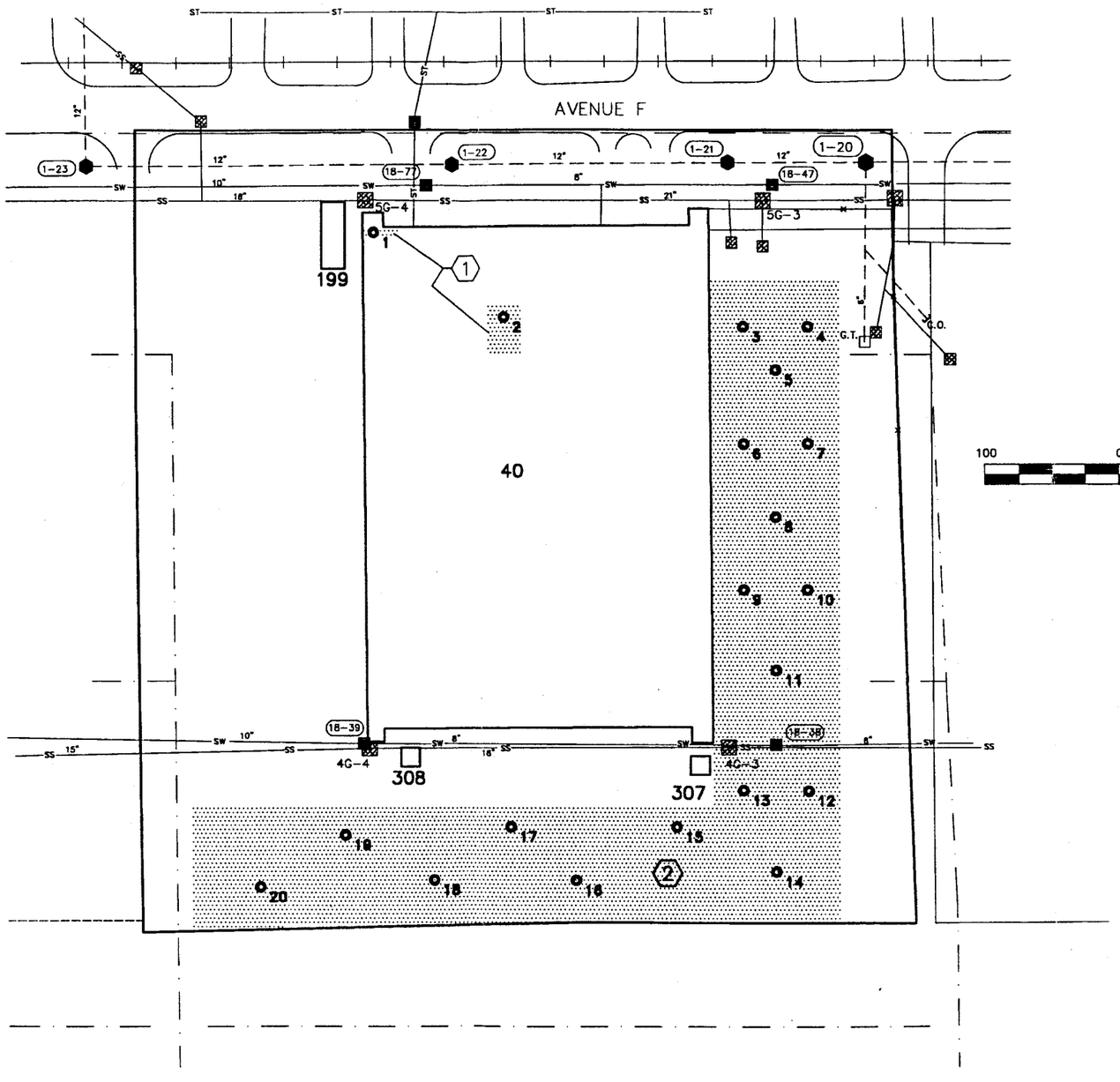
MANHOLE & No.

CATCH BASIN

STORM SEWER LINE

MATERIALS:

R.C. – REINFORCED CONCRETE



SCALE IN FEET

100 0 100 200 300

1" = 100'

NAVAL AIR STATION, ALAMEDA

FIGURE 6-195-1
PARCEL 195
PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO.	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS:
19590195.DWG	PWC 17,629 (STORM DRAINS) PWC 108,728 (SANITARY SEWER) PWC 23,997 (INDUSTRIAL WASTES) HISTORIC DWGS IN EBS DATABASE (FUEL LINES)
SCALE AS NOTED	DATE: 3.07.95/2121.96.45 SHEET 1 OF 1

TABLE 6-195-1

Summary of Recommended Samples
NAS Alameda Parcel 195

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Compounds of Concern	Target Analytes	Analytical Method
195-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Modified EPA 8015
195-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Modified EPA 8015
195-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Modified EPA 8015
195-4-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Modified EPA 8015
195-5-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Modified EPA 8015
195-6-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Modified EPA 8015
195-7-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Modified EPA 8015
195-8-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Modified EPA 8015
195-9-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Modified EPA 8015
195-10-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Modified EPA 8015
195-11-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Modified EPA 8015
195-12-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Modified EPA 8015
195-13-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Modified EPA 8015
195-14-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Modified EPA 8015

TABLE 6-195-1

Summary of Recommended Samples
NAS Alameda Parcel 195

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Compounds of Concern	Target Analytes	Analytical Method
195-15-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Modified EPA 8015
195-16-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Modified EPA 8015
195-17-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Modified EPA 8015
195-18-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Modified EPA 8015
195-19-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Modified EPA 8015
195-20-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Modified EPA 8015

parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 11.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 40) and two storage sheds (Buildings 307 and 308) cover approximately 40 percent of the parcel. The remaining 60 percent is open space. The parcel area is presently in use as a maintenance area for aircraft. One building (Building 199) was formerly located on the parcel and has since been demolished. Evidence of chemical storage in former Building 199 exists in the form of drum ring and paint stains on the old foundation of the building. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-195-1.

Parcel 195 is located less than 500 feet west of Installation Restoration (IR) Program Site 6 (Building 41, Parel 196). No previous investigations have been conducted at Parcel 195, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 40

Building 40 was constructed in 1941 and has served as an aircraft maintenance hangar (Figure 6-195-1) since that time. It was also used historically as a painting hangar. The building is in fair condition. Building 40 is constructed of a metal frame, with a built-up composite roof, and a concrete floor and walls. The hangar covers approximately 128,000 square feet.

Utilities located within and immediately surrounding Building 40 include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines. An oil/water separator is located in the northeast corner of the building adjacent to a

high pressure sprinkler system. An air quality permit was issued for Building 40 for painting operations.

Information collected during the EBS indicates that activities conducted within this building included light aircraft maintenance and painting. Light aircraft maintenance typically involves oil changes, minor repairs, and changing of worn equipment, such as tires. These maintenance activities are believed to have been conducted in most areas of the building. This activity typically involves the use of chemicals including solvents and petroleum products (especially lubricating oils) and the generation of waste products including waste oils. These types of industrial processes typically involve the use or generation of chemicals and wastes including aircraft fuels and oils. These processes occurred within Building 40 from 1941 to the present.

Approximately 30 gallons of paints, epoxy, alcohol, and metal solutions are documented to have been stored in the fireproof cabinet located in Building 40. This is just a temporary storage measure for the materials. Available documents do not include information regarding past and present disposal of used chemicals.

Hazardous materials, including waste oil, solvents, and lubricants, were stored in hazardous and flammable materials lockers. The doors to the cabinets were locked, and no significant staining was noted near the lockers. Hazardous wastes including used petroleum products, non-halogenated organics, and paint are documented to be stored in Building 40 in quantities up to 500 gallons.

Stains were noted in the building. Two stains approximately 25 feet by 20 feet were noted in the central, open portion of the building. Another stain, approximately one foot by 25 feet, was noted in the northeast corner of the building. These stains are likely related to maintenance activities and lubrication of the sliding doors of the hangar, respectively.

Available documents do not indicate Building 40 is equipped with a heating-ventilation-air conditioning (HVAC) system. Strong vapors were noted in the facility by site inspectors. Leaky roofs, peeling paint, and potential ACM wallboard were observed by site inspectors. No incidents, such as fires, mishaps, flooding, or crashes are documented to have occurred within Building 40.

Buildings 307 and 308

Buildings 307 and 308 are constructed of concrete cinderblocks with metal roofing. The buildings cover 100 square feet each and were constructed in 1942. The buildings are in poor condition.

Utilities located within and immediately surrounding Buildings 307 and 308 include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines.

Information collected during the EBS indicates that activities conducted within these buildings have been confined to inert storage. Site reviewers noted stains of unknown origin located inside and outside of Building 307. No incidents, such as fires, mishaps, flooding, or crashes are documented to have occurred within Buildings 307 and 308.

Open Space

The open space covers approximately 60 percent of the parcel. The open space on the parcel has been used for auto and equipment storage, and aircraft washdown. The ground surface of the open space is entirely paved with asphalt and concrete. Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines.

Building 199 was formerly located in this open space. Evidence of chemical storage in former Building 199 exists in the form of drum ring and paint stains on the old foundation of the building.

An unlabelled metal locker and a hazardous materials storage locker are located on the eastern portion of the parcel. A large stain (approximately 20-feet by 20-feet) was observed beneath the hazardous materials locker.

Typical oil stains associated with vehicle parking and minor paint stains were observed throughout the open space on Parcel 195. Extensive staining was noted on historical aerial photographs from 1947 to 1970. Aviation gasoline (AVGAS) fueling is reported to have occurred on the south side of Building 40.

No incidents, such as fires, mishaps, flooding, or crashes are documented to have occurred within the open space.

Underground Storage Tanks

One active underground storage tank (UST) is present at this parcel. No record regarding the tank number, capacity, or integrity is available.

Parcel Boundary Conditions

Parcel 195 is bounded by Parcels 185, 70, 71, and 23. Activities of concern on these adjacent parcels include materials storage on Parcel 185 and aircraft maintenance and refueling on Parcels 70, 71, and 23. If results of any sampling proposed for these adjacent parcels indicate activities on these parcels may have impacted Parcel 195, then additional sampling on Parcel 195 may be appropriate.

No sampling is called for in this PEP in response to the nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 195, then additional sampling on Parcel 195 may be appropriate.

RCRA Sites

This subsection identifies the RCRA Site and requirements associated with this site on the parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes one RCRA site (site number SWMU/GAP 24). This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, the RCRA site at this parcel does not require further investigation. Site SWMU/GAP 24 is located in Building 40. It is unknown whether any chemicals were released from this site. Site SWMU/GAP 24 is comprised of 55-gallon drums. The chemicals of concern associated with this site include oil, solvents, and paint-related materials.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 195, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-195-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As

TABLE 6-195-2

Summary of Data Gaps
NAS Alameda Parcel 195

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 6 (Building 41) is located approximately 500 feet east of Parcel 195. Additional subsurface investigation relative to IR Site 6 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• One active UST currently exists at Parcel 195. • Tank ID # Unknown. • Future actions for this tank are unknown.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.

TABLE 6-195-2

Summary of Data Gaps
NAS Alameda Parcel 195

Data Gap	Status/Description
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in corresponding protocols presented in Section 3.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 40. A one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-195-2 are addressed and screening-level sampling results from the target areas described below are compared to appropriate screening levels, Parcel 195 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target areas. No zone-wide target areas were identified for this parcel. The nature and locations of these areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following two parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-195-2.

- Target Area 1 (Building 40): Soils under the concrete in the open hangar area and in the northeast slide door lubrication area may have been impacted by TPH. The target area covers approximately 1,000 square feet and is classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-195-1.

- Target Area 2 (Open Space): Soils under the concrete in the eastern and southern areas of the parcel may have been impacted by fueling operations. TPH is the compound of concern in this area. The target area covers approximately 110,000 square feet and is classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-195-1.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3).

Table 6-195-1 summarizes screening-level sampling and analysis recommended for the parcel's target areas. Twenty surface soil samples will be collected from the locations shown on Figure 6-195-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: and soil gas sampling (SOP 6), subsurface GeoProbe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-196

PARCEL 196 EVALUATION PLAN

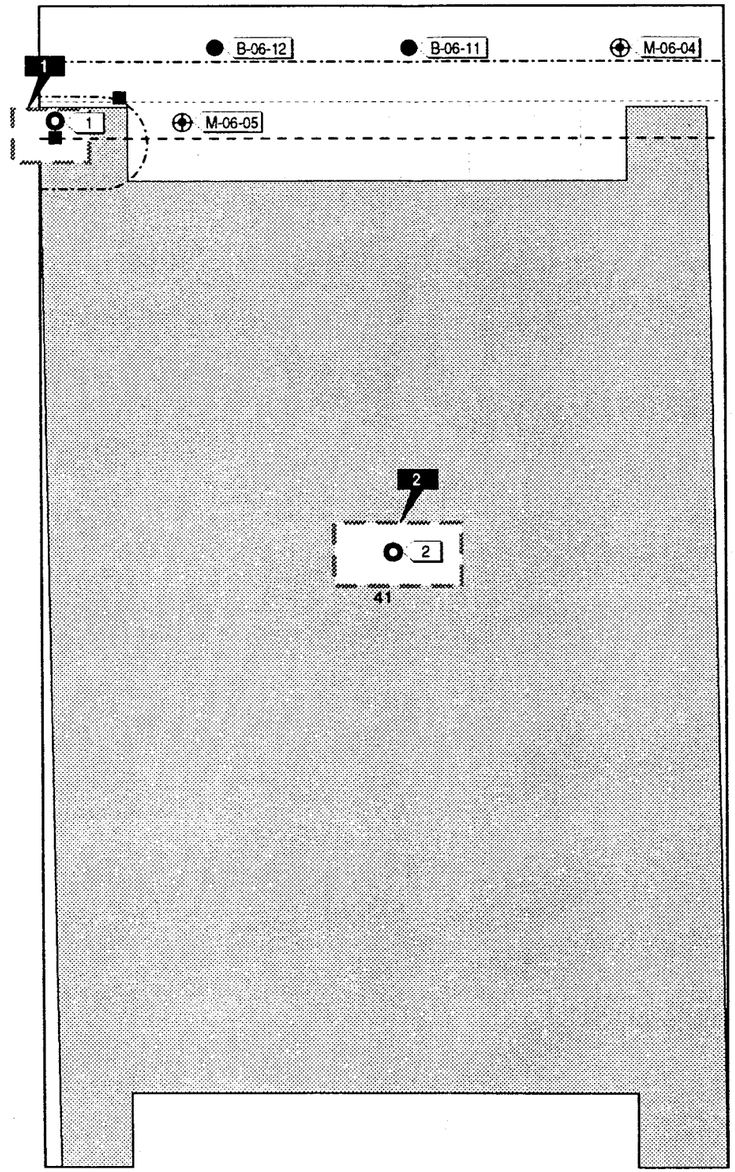
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 196 at NAS Alameda (Figure 6-196-1). The parcel, which is located in the southeast portion of the base, is approximately three acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA site. Two parcel-specific and no zone-wide target investigation areas (target areas) have been identified for this parcel. Soil vapor sampling will be used to accomplish the screening-level investigation. Table 6-196-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 196, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 196, consistent with objective 1 identified in Section 1 of the Shell Workplan. This subsection also identifies the Installation Restoration Program site and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 50, 51, 52, 53, 70, 71, 72, and 195. This parcel zone has been designated the Southern Hangar Zone (Zone 11). The Southern Hangar Zone encompasses the parcels located south of Building 5 that are used as hangars and hangar support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the



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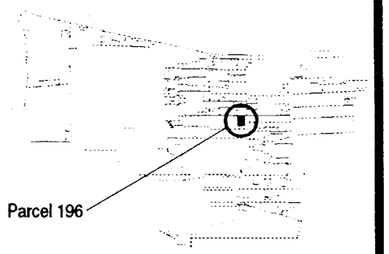


LEGEND

- Target Areas 1 and 2
- Industrial Waste Line
- Storm Sewer Line
- Sewer Line
- Surface Soil Sample
- Monitoring Well Location (PRC , Inc.)
- Boring Location (PRC , Inc.)
- Catch Basin

Note: See Figure 6-71-1 for location of existing and proposed sampling in the open space surrounding Building 41.

1"= 60'

Figure 6-196-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.10/DS/07.13.94

TABLE 6-196-1
Summary of Recommended Samples
NAS Alameda Parcel 196

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Compounds of Concern	Target Analytes	Analytical Method
196-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	Test Kit
196-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	Test Kit
196-2-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	EPA 8015-Modified

* This is the suggested location for the confirmation samples. Actual locations will be determined in the field.

entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 11.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 41) covers approximately 85 percent of the parcel. The remaining 15 percent is open space. The parcel area is presently used for aircraft component maintenance. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-196-1.

Parcel 196 contains Building 41 which is identified as IR Site 6. Previous investigations have been conducted at Parcel 196 and specific data regarding potential chemical occurrence are available.

Releases associated with IR Site 6 may have impacted this parcel. Soil and groundwater sampling results have been compiled in a 1993 report prepared by PRC Environmental Management, Inc. (under contract N62474-88-D-5086) titled *Naval Air Station, Alameda: Data Summary Report RI/FS Phases 2B and 3*. Ongoing (follow-up) sampling is being performed by the IR contractor.

In addition to comparing the existing data to PRGs, it is recommended that the parcel-specific sampling data be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, background concentrations may represent a more appropriate screening level than the concentrations suggested by the PRGs.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials (ACM) on parcels will be addressed in other sampling programs and are not considered in this PEP. Lead paint was found in Building 41. Insulation and floor tiles from Building 41 possibly contains ACM.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 41

Building 41 was constructed prior to 1945. This building is in fair condition. Building 41 is constructed with a metal frame. A built-up wood roof covers the 118,000 square feet of building area. The floors are painted and consist of asphalt and concrete. A suspected oil/water separator is located in the southwest corner of Building 41. Aircraft hangar operations occurred within Building 41 from 1945 to 1985.

Utilities located within and immediately surrounding Building 41 include sanitary sewer, storm sewer, telephone, steam, water, electrical, fuel, industrial sewer lines, and underground electrical lines. An air quality permit has been issued for Building 41 for the operation of a paint spray booth, a fiberglass repair shop, a solvent cleaning dip tank, a de-gasser, a dryer, and an abrasive blasting process.

Information collected during the EBS indicates that activities conducted within this building have included operations associated with aircraft hangars. Such activities typically involve the use or generation of chemicals and wastes including aviation fuels and oils. Approximately 120 gallons of petroleum products, alcohol, solvents, adhesives, and metals were stored in the repair area of Building 41 at the time of the site inspection. Off-site disposal of used solvents is reportedly performed on a weekly basis. Silver, recovered and recycled from photgraphic operation associated with aircraft component testing. is covered under a tiered permit. This recovery operation began in 1993 at this facility; prior to this, the silver-containing waste stream was reportedly discharged directly to the sewer system. In addition to these chemicals, approximately 1,500 gallons of non-halogenated organic compounds, halogenated organic compounds, petroleum products, corrosives, and metals are stored in Building 41. Hazardous wastes stored in this building include used petroleum products, spent solvents, asbestos brakes/linings, and floor washdown fluid (oil/water). The floors are cleaned daily; the washdown from this process is routed to an unknown location.

Staining was noted on the floors of a large open-faced storage shed located on the northeast side of Building 41. Releases of oil, diesel, and engine fluids are likely responsible for the staining. While this shed is attached to Building 41, it is located in Parcel 71.

Available documents do not indicate if Building 41 is equipped with a heating-ventilation-air conditioning (HVAC) system. A potential ACM concern may exist in Building 41 because of dust from the use, maintenance, and repair of aircraft brakes and linings. The insulation and floor tiles within this building may contain asbestos. Lead paint was found in Building 41 with a lead concentration of 127 ppm.

Open Space

The open space covers approximately 15 percent of the parcel. The open space is entirely paved with concrete and asphalt and is currently in use as a parking lot. Typical stains associated with vehicle parking were noted in this area. During site inspection, a suspected oil/water separator was noted to be located on the southwest corner of Building 41. A 10-foot by 15-foot stain was observed outside the northeast corner of the building, apparently originating from inside the building.

Utilities located within and immediately surrounding the open space include sanitary sewer, storm sewer, telephone, steam, water, electrical, fuel, industrial sewer lines, and underground electrical lines. An oil-filled transformer is located at the northwest corner of Building 41.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 196 is bounded by Parcel 206 to the north and Parcel 71 to the west, south, and east. The activities conducted on Parcels 71 and 206 include aircraft maintenance facilities and material storage. No parcels contiguous with Parcel 196 are IR sites, and no sampling has been called for in this PEP in response to nearby IR sites. The former Seaplane Lagoon (IR Site 17) is located to the south of Parcel 196. Building 5 (IR Site 5) is located to the west of Parcel 196.

If the continuing investigations at the nearby IR sites reveal a cause for concern at Parcel 196, then additional sampling on Parcel 196 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with this site on the parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes one RCRA site (GAP Site 25). GAP Site 25 was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, this site does not require sampling. GAP Site 25 is located

within Building 41. There are no documented releases from this site. This site is currently active. The storage capacity of this site includes 55-gallon drums and Bowser drums. The chemicals of concern include oil, solvent, thinner, hydraulic fluid, and paint. Based on the available information, no further investigation is required at this site.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 196, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-196-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in corresponding protocols presented in Section 3.

Although no IH sampling is specified in this PEP, IH issues are potentially of concern in Buildings 273, 501, and 544. A one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

The majority of the parcel open space is paved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 196.

Once the data gaps in Table 6-196-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 196 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-196-2

Summary of Data Gaps
NAS Alameda Parcel 196

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 6 (Building 41, AIMD) is located on Parcel 196. Additional subsurface investigation relative to IR Site 6 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• No potential zone-wide release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1: Northeast Corner of Building 41 • Target Area 2: Center of Building 41
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-196-2

Summary of Data Gaps
NAS Alameda Parcel 196

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

Two parcel-specific and no zone-wide target areas were identified for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 11. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. Samples to be collected in these target areas are listed on Table 6-196-1.

- Target Area 1 (Northeast Corner of Building 41): This target area addresses the possible release of petroleum products in the northeast corner of Building 41. The size of this target area is approximately 100 square feet. The likelihood of environmental impacts having occurred within this target area is classified as potential. One surface soil sample will be collected in this target area.

- Target Area 2 (Center of Building 41): This target area addresses the possible release of petroleum products in the central area of Building 41. The size of this target area is approximately 100 square feet. The likelihood of environmental impacts having occurred within this target area is classified as potential. One surface soil sample will be collected in this target area.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level technique that will be used to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-196-1 summarizes screening-level sampling and analysis recommended for the parcel's target areas. Two surface soil samples will be collected from the locations shown on Figure 6-196-1. Sampling will be conducted in accordance with the referenced SOP in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Previous investigations have assessed conditions in the open space at Parcel 196. Follow-up detailed evaluations are being conducted by the IR contractor. As part of a former screening-level sampling effort summarized in the 1993 PRC report, a total of 16 soil samples were collected at different depths from two soil borings and two monitoring wells located on the north side of Parcel 196. One surface and three

subsurface soil samples were collected from each boring and monitoring well. Soil and groundwater samples have also been collected in the open space of neighboring parcels. This investigation was conducted by PRC in 1992. Soil and groundwater samples were analyzed for metals, PCBs, VOCs, SVOCs, pesticides, and TPH. These soil borings (B-06-11 and B-06-12) and monitoring wells (M-06-04 and M-06-05) are located on or adjacent to Parcel 196 as shown in Figure 6-196-1.

The 1993 PRC report indicates that all metals and organic compounds were detected at concentrations below USEPA's January 1994 industrial and unrestricted use PRGs for soil, except for benzo(a)pyrene, arsenic, and beryllium. Benzo(a)pyrene, arsenic, and beryllium were detected in both the surface and the subsurface soil samples of the two borings.

Groundwater sampling results from the three monitoring wells on Parcel 196 indicate that all VOCs detected were below USEPA's December 1993 MCLs. All metals detected (aluminum, antimony, and manganese) were above USEPA's December 1993 MCLs.

The IR contractor has proposed follow-up sampling for the open space of Parcel 196 including three borings, two CPT/HydroPunch, and three monitoring wells as shown in Figure 6-196-1.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the previous investigations. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-Z12

ZONE 12 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 12 at NAS Alameda (Figure 6-Z12-1). Zone 12 has been designated the Medical and Commercial Zone and encompasses the parcels that contain medical and commercial facilities. Zone 12 is comprised of Parcels 81, 83, 84, and 207. During the sampling program development, the parcels located in this zone were evaluated together. No zone-wide or parcel-specific target investigation areas (target areas) have been identified in this zone. None of the parcels in this zone have been reclassified from BRAC Category 7. This zone evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 12, historical activities are discussed below.

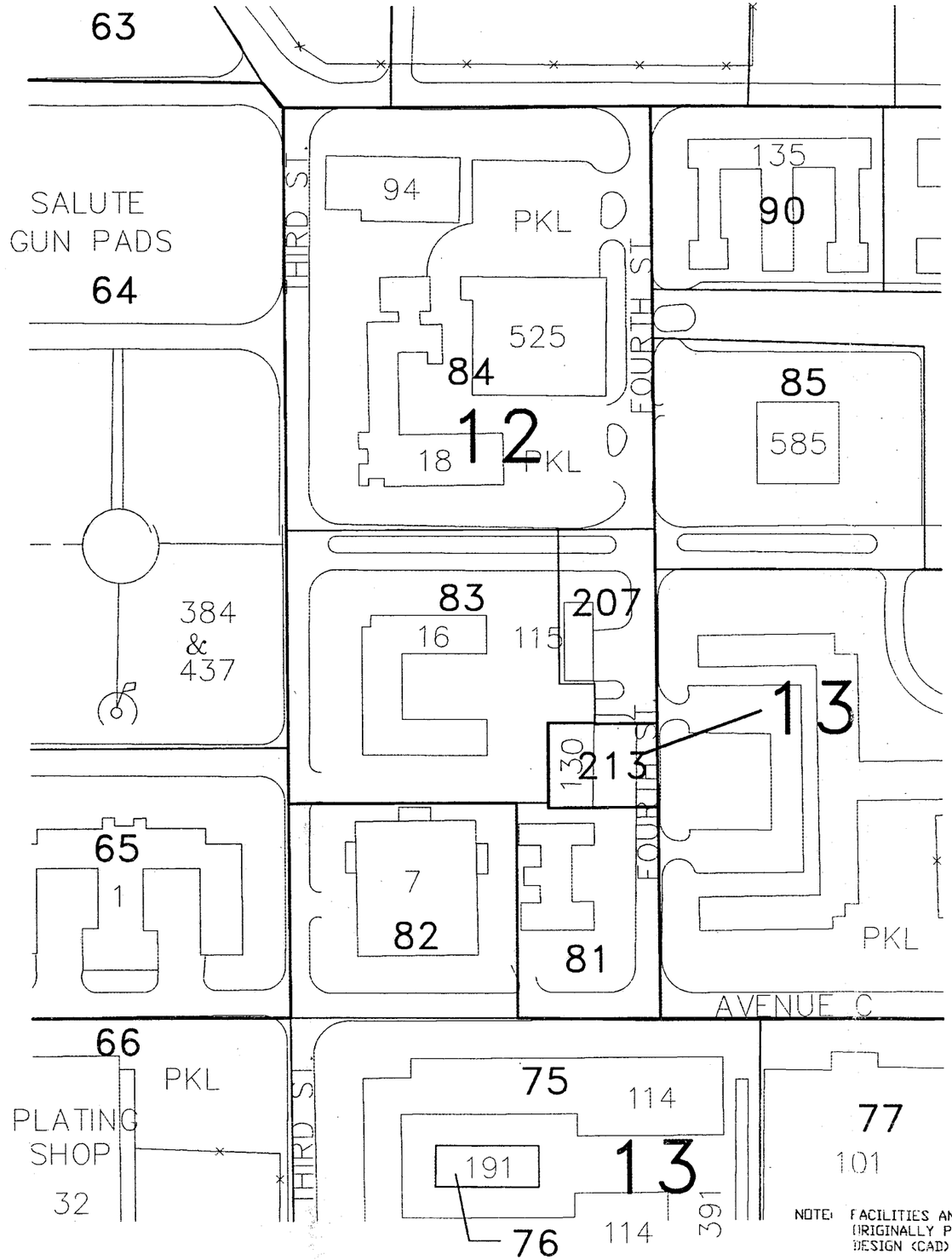
Zone 12 Background and Historical Activities

This subsection briefly summarizes EBS information available for buildings, open spaces, and boundaries of Zone 12 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the Parcel Evaluation Plans (PEPs) for the parcels contained in this zone.

Past and present use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs (the non-intrusive investigation[1]). This information was used to determine areas on the zone where sampling was deemed necessary to delineate potential impacts of compounds of concern.

Zone 12, the Medical and Commercial Zone encompasses four parcels that contain or support medical or commercial facilities. During the

[1] The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.



LEGEND

ZONE BOUNDARY

NORTH

18°30'E

MAGNETIC

TRUE

SCALE IN FEET

150 0 150 300 450

1" = 150'

FINAL

5-19-95

NOTE: FACILITIES AND/OR STRUCTURES SHOWN REFLECT THOSE ORIGINALLY PROVIDED TO ERM-WEST IN COMPUTER AIDED DESIGN (CAD) FORMAT AND MAY NOT BE CURRENT.

FIGURE 4-Z12-1

NAVAL FACILITIES ENGINEERING COMMAND

NAVAL AIR STATION, ALAMEDA
ZONE 12

SIZE	ERM CAD IDENT. NO.	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS: PWC 17,627; 17,628; 17,630; 17,631; 17,627A; 17,629
F	21219612.DWG	
SCALE AS NOTED	DATE: 5.19.95/2121.97.10	SHEET 1 OF 1

ERM

sampling program development, the parcels located in this zone were evaluated together to better address potential zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of specific parcel concerns is provided in the PEPs for individual parcels.

Filling began in the area covered by this zone in approximately 1935. Prior to this time, the zone area was completely inundated by San Francisco Bay. The zone was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, six buildings and no structures cover approximately 30 percent of the zone. The remaining 70 percent is open space. The zone area is presently in use as a commercial area. No other buildings or structures were formerly located on the parcel.

Zone 12 is within 500 feet of one Installation Restoration (IR) Program site (IR Site 8 (Building 114)). No previous investigations have been conducted at Zone 12, and specific data regarding chemical occurrence at this zone are not available. Previous investigations at nearby IR Site 8 are presented in a 1992 report by PRC entitled *Data Summary Report RI/FS Phases 2B and 3.*

Sewer lines present on this zone are illustrated in the individual PEP figures. Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns and asbestos-containing materials on Zone 12 will be addressed in other sampling programs and are not considered in this ZAP.

Underground Storage Tanks

One tank may be present at this zone on Parcel 83. Site inspection records indicate that several pipes with an unknown function were identified in this area.

RCRA Sites

This zone includes one RCRA site on Parcel 83. This site was evaluated consistent with the criteria applied to other potential target areas at the zone. Under these criteria, the RCRA site at this zone does not require further investigation. A brief description of the RCRA site is provided in the PEP for Parcel 83.

Zone Boundary Conditions

Zone 12 is bounded by Zones 8, 9, 13, and 15. Activities of concern on these adjacent zones include light industrial facilities including metal shops and hazardous material storage in Zone 13.

Zone Target Areas and Compounds of Concern

This zone contains no parcel-specific or zone-wide target areas.

SECTION 6-81

PARCEL 81 EVALUATION PLAN

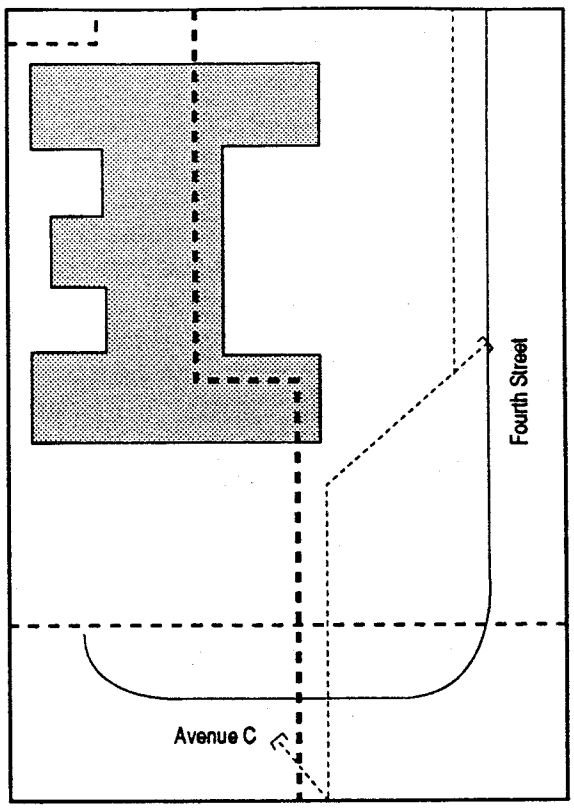
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 81 at NAS Alameda (Figure 6-81-1). The parcel is located in the north-central portion of the base, is one acre in size, and is rectangular. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. The parcel does not contain any RCRA sites. No zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 81, historical activities are discussed below.

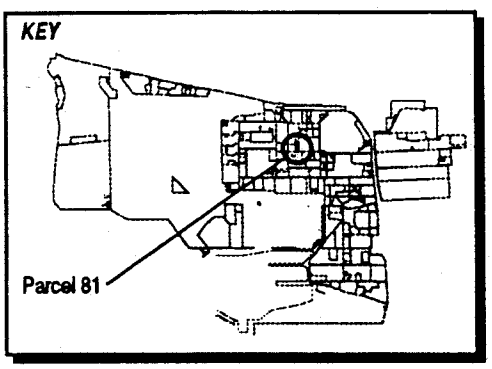
Background and Historical Activities

This subsection summarizes EBS information available for the building, open space, and boundaries of Parcel 81, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 83, 84, and 207. This parcel zone has been designated the Medical and Commercial Zone (Zone 12). The Medical and Commercial Zone encompasses the parcels that have been used as medical or commercial facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 12.





LEGEND

- Steam Lines
- Storm Sewer Line
- Sewer Line
- Capped

1"=45'

Figure 6-81-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/08.30.94

Filling began in the area covered by this parcel in approximately 1935. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, Building 116, a counseling center, covers approximately 25 percent of the parcel. The remainder (75 percent) is open space that is partially landscaped and partially paved. No other buildings appear to have existed on this parcel. Sewer lines exist on this parcel, and are shown in Figure 6-81-1.

Parcel 81 is located immediately north of Installation Restoration (IR) Program Site 8 (Parcel 75, Building 114, PWC Shop). No previous investigations have been conducted at Parcel 81 and specific data regarding potential chemical occurrence are not available for this parcel. Previous investigations at nearby IR Site 8 are presented in a 1992 report by PRC entitled *Data Summary Report RI/FS Phases 2B and 3*.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Based on the age of the building on the parcel and EBS observations, peeling lead-based paint (window frames) and friable asbestos (boiler room, radiators, steam lines, and building materials) are potential concerns on Parcel 81.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 116

Building 116 was constructed in approximately 1943. It is currently used as a counseling center; particularly for drug and alcohol rehabilitation counseling. It has reportedly always been an office building, and may potentially have once served as a barracks. This building is in fair condition. Building 116 is a wood frame building constructed on a cinder block foundation. The floor plan covers a total of approximately 10,000 square feet on one floor. Building 116 was built shortly after the area was filled, and no other building or structures are documented to have been located within the space currently occupied by Building 116.

Utilities located within and immediately surrounding Building 116 include underground sanitary sewer, storm sewer, water, steam, and electrical lines. No transformers are located on the parcel. A total of

approximately 20 gallons of cleaning and office supplies are stored in the building's kitchen, janitor's closet, and restrooms. Stored supplies include detergent, pine oil, naphthalene cake, pine oil, fuel, photocopier toner, and photocopier dispersant. No spills or staining are documented in this building.

Open Space

The parcel open space is 70 percent paved with concrete sidewalks and asphalt driveways/roadways. The remaining 30 percent of the open space is landscaped with grass, bushes, and trees. Paved areas are used for vehicle parking. The majority of the landscaped area of the open space has been continuously maintained since the early 1940s. No spills or staining was noted in this open space during the EBS review and site inspections.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 81 is bounded by Fourth Street and Avenue C to the east and south, respectively. Across the streets are Parcels 80 (bachelor officers' quarters) and 75 (IR Site 8, PWC Shop). Parcels 83 (clinic), 82 (materials testing laboratory), and 213 (PWC vector control building) border Parcel 81 to the northwest, north, and west, respectively. Activities of concern at these adjacent parcels include those associated with adjacent Parcel 75 (IR Site 8, Building 114--PWC Shop). VOCs and SVOCs have been detected in groundwater during previous investigations at IR Site 8. Additional monitoring well installation and sampling are proposed by the IR contractor to further delineate nature and extents of groundwater impacts from IR Site 8. Past surface soil sampling results from the northeast corner of the IR site have indicated impacts by the following: pesticides and herbicides (4,4'-DDE, 4,4'-DDT, and Dieldrin), PCBs (Aroclor 1260), and metals (barium, chromium, copper, lead, and zinc). Additional sampling is currently proposed by the IR contractor.

No sampling is called for in this PEP in response to the nearby IR site. If the continuing investigation at the IR site reveals a cause for concern at Parcel 81, then additional sampling on Parcel 81 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 81, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-81-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 81 because no industrial buildings are present.

As noted earlier, Parcel 81 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed on this parcel.

Once the data gaps in Table 6-81-1 are addressed, Parcel 81 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-81-1

Summary of Data Gaps
NAS Alameda Parcel 81

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 81.
Installation Restoration (IR) Sites	• IR Site 8 (Building 114) adjacent to and south of Parcel 81. Additional subsurface investigation relative to IR Site 8 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• No PCB issues identified.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Sanitary sewer, storm sewer, water, and electrical lines identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-81-1

Summary of Data Gaps
NAS Alameda Parcel 81

Data Gap	Status/Description
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, underground lines, radiological issues, and the adjacent IR site must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-83

PARCEL 83 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 83 at NAS Alameda (Figure 6-83-1). The parcel is located in the central portion of the base, is 3.6 acres in size, and is roughly square. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. One RCRA site is located at this parcel. No zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 83, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for the building, open space, and boundaries of Parcel 83, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present uses of this parcel were determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 81, 84, and 207. This parcel zone has been designated the Medical and Commercial Zone (Zone 12). The Medical and Commercial Zone encompasses the parcels that have been used as medical or commercial facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Potential zone-wide concerns are described in the Zone Analysis Plan for Zone 12.

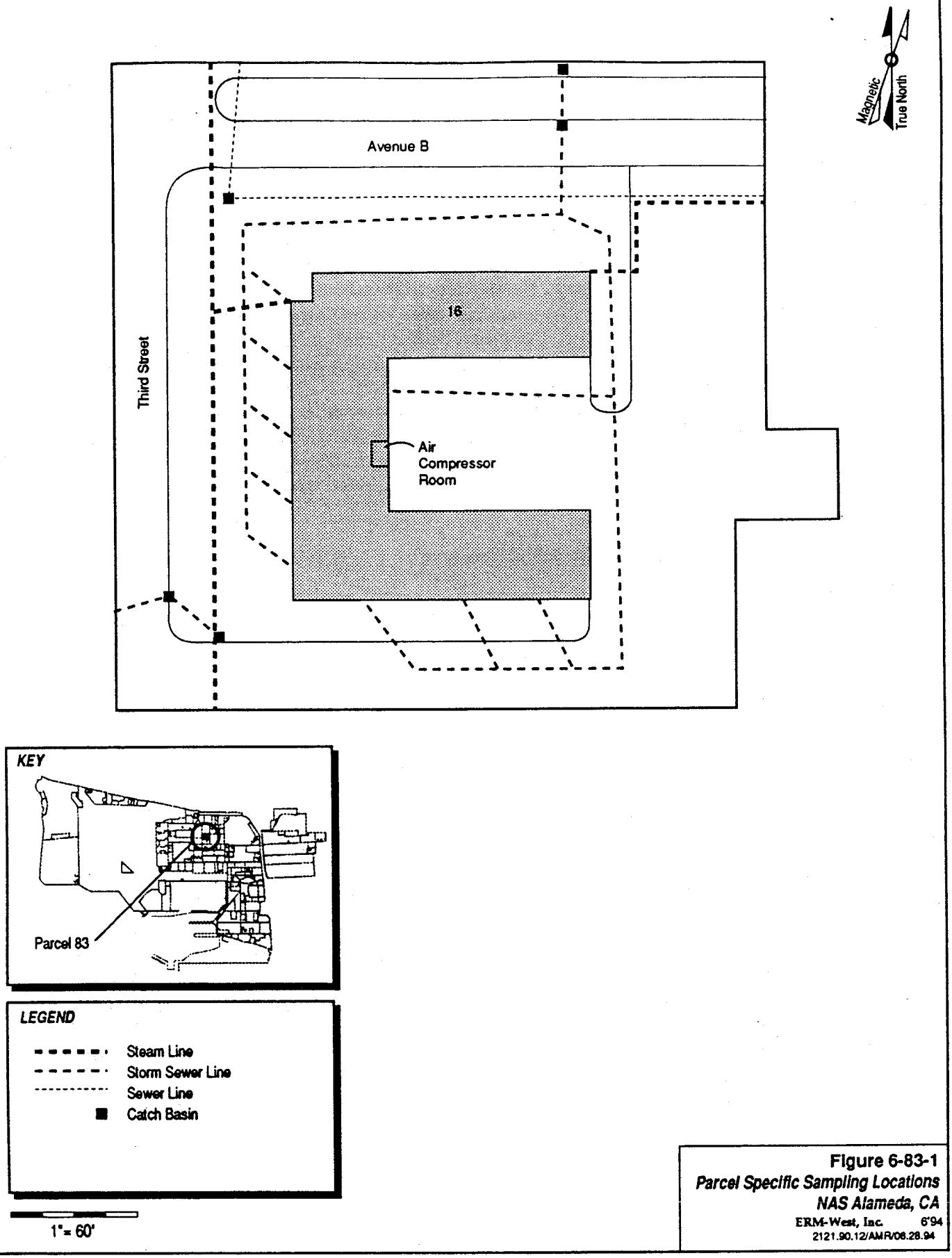


Figure 6-83-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/08.28.94

Filling began in the area covered by this parcel in approximately 1935. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, Building 16, the medical and dental clinic, covers approximately 15 percent of the parcel. The remainder (85 percent) is open space that is partially landscaped and partially paved. Storm and sanitary sewer lines on the parcel are shown in Figure 6-83-1.

Parcel 83 is located 250 feet north of Installation Restoration (IR) Program Site 8 (Parcel 75, Building 114, PWC Shop). No previous investigations have been conducted at Parcel 83 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. X-ray equipment is used in Building 16; however, the equipment is self-contained.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 16

Building 16 was constructed in approximately 1942 for use as a hospital. The building currently houses medical and dental clinics. The clinics include two culture laboratories, two x-ray laboratories, and a physical therapy department. The medical and dental clinics are located on the first and second floors of the building, respectively. Building 16 is constructed with concrete floors and walls and a built-up roof. The building is generally in good condition. The floor plan covers a total of approximately 70,000 square feet on three floors. Building 16 was built shortly after the area was filled, and no other buildings are documented to have existed in this space.

Utilities located within and immediately surrounding Building 16 include underground sanitary sewer, storm sewer, steam, water, and electrical lines. Plans indicate that a transformer is present near the center of the building. A total of less than 100 gallons of chemicals were observed in the building during the site inspection. Chemicals were stored in janitors' closets, in laboratory cabinets, under sinks, and on shelves. Minor spillage and leakage (less than one quart) was noted in several storage areas. Chemicals present included x-ray film developer and fixer, alcohol, adhesives, dental tray cleaner, peroxide,

resins, medical specimen staining compounds, sodium hypochlorite, germicide, and various janitorial supplies. Wastes produced at Building 16 include the following:

- Approximately 100 pounds of silver sludge are generated per quarter from x-ray developer effluent processing. Sludge is picked up by Defense Reutilization and Marketing Office (DRMO) personnel. Treated x-ray developer wastewater is discharged to the sanitary sewer under an EBMUD permit.

- Approximately 100 pounds of biohazardous waste is generated each week by the clinics. The waste includes used needles, scalpels, bandages, and similar materials. Waste is stored temporarily in a locked cabinet outside of Building 16. Waste is picked up weekly by Integrated Environmental Systems of Oakland.

- Used x-ray film, averaging 700 pounds per year, is picked up by DRMO personnel.

- The dental clinic generates approximately one to two pounds per quarter of amalgam scraps containing silver and mercury.

A four-foot by 6-foot stained area was observed on the floor of an air compressor room accessed from the courtyard parking area of Building 16. The stained area appeared to have a relatively thick accumulation of oil released from the compressor. Since this room has a concrete floor in good condition, the soil beneath this stain will not be sampled as part of this PEP.

Peeling paint that may contain lead was observed on the exterior of the building. Asbestos ceiling tiles and piping insulation were reportedly removed from the building in 1989. Asbestos was not removed from lines in a crawl space under the building. Insulation that may contain asbestos was noted on lines entering the northeast and southeast corners of the building, and on the ventilation system on the northeast side of the south wing. Several lengths of insulated piping that may contain asbestos were observed on the Building 16 loading dock during the site inspection.

Open Space

The open space in Parcel 83 consists of paved and landscaped areas surrounding Building 16. This space takes up approximately 85 percent of the parcel. The paved portion of the open space includes asphalt roadways and parking areas, and concrete sidewalks. The pavement is in fair condition. Minor oil staining from vehicle parking was

observed in parking areas. Three unidentified pipes potentially indicating the existence of an abandoned UST adjacent to the northwest corner of Building 16 were observed during the site visit. No other evidence was available regarding this potential UST. A new backup diesel generator was being installed east of Building 16 at the time of the site inspection.

Less than 100 gallons of latex adhesive and plastic pipe cement were observed stored under a temporary construction trailer present on the parcel for the generator project. A possible former concrete building foundation was present on the southeast corner of the parcel. A biohazardous waste locker, a flammable materials locker, and an oxygen tank locker are present on a grass strip between the north wall of the southeastern wing of Building 16 and the courtyard parking area. No staining was noted in these storage areas.

The landscaped areas of the parcel cover approximately 50 percent of the open space and are planted with trees, shrubs, and grass. The majority of the landscaped area of has been continuously maintained since approximately 1940.

Underground Storage Tanks

One underground storage tanks may be present at this parcel. Site inspection information indicated that piping potentially associated with a UST was present at the time of the site inspection. No other information is available regarding this potential tank.

Parcel Boundary Conditions

Parcel 83 is bounded by Third Street and Avenue B to the west and north, respectively. Parcels adjacent to Parcel 83 include Parcel 84 (theater and bowling alley), Parcel 207 (former ambulance garage), Parcel 213 (shed), Parcel 81 (substance abuse rehabilitation center), Parcel 82 (materials testing laboratory), Parcel 65 (administration building), and Parcel 64 (open space). IR Site 8 (Building 114) is located approximately 250 feet south of Parcel 83.

No sampling is called for in this PEP in response to the nearby IR site. If the continuing investigation at the IR site reveals a cause for concern at Parcel 83, then additional sampling on Parcel 83 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes one RCRA site (site number SWMU/GAP 13). This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, SWMU/GAP 13 does not require sampling because no staining was noted in the area of the GAP site, and the materials handled were handled in small quantities.

Site SWMU/GAP 13 is located in Building 16 and it is unknown whether any chemicals were released from this site. Site SWMU/GAP 13 is composed of scrap amalgam, X-ray film, and X-ray solution bagged in plastic.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 83, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-83-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 83 because no industrial buildings are present.

As noted earlier, Parcel 83 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use

TABLE 6-83-1

Summary of Data Gaps
NAS Alameda Parcel 83

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 83.
Installation Restoration (IR) Sites	• IR Site 8 (Building 114) is located approximately 250 feet south of Parcel 83. Additional subsurface investigation relative to IR Site 8 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• One suspect UST may exist at this parcel.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-83-1

Summary of Data Gaps
NAS Alameda Parcel 83

Data Gap	Status/Description
Underground Utilities	• Sanitary sewer, storm sewer, water, and electrical lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for this parcel.

Once the data gaps in Table 6-83-1 are addressed, Parcel 83 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological issues, the nearby IR site, and the potential UST must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-84

PARCEL 84 EVALUATION PLAN

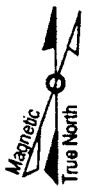
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 84 at NAS Alameda (Figure 6-84-1). The parcel is located in the central portion of the base, is approximately five acres in size, and is roughly square in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. The parcel does not contain any RCRA sites. No zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 84, historical activities are discussed below.

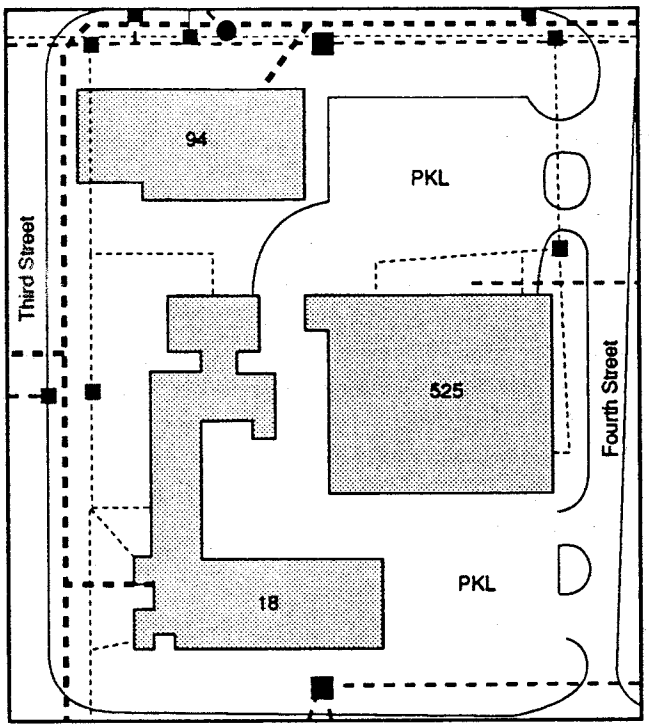
Background and Historical Activities

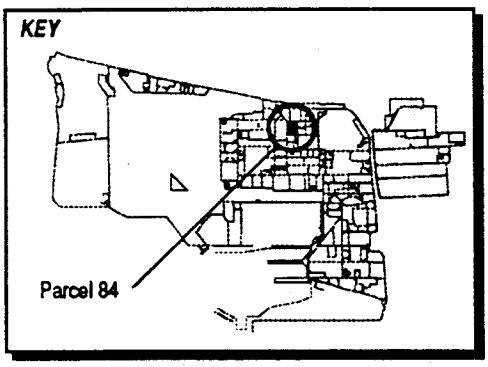
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 84, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern

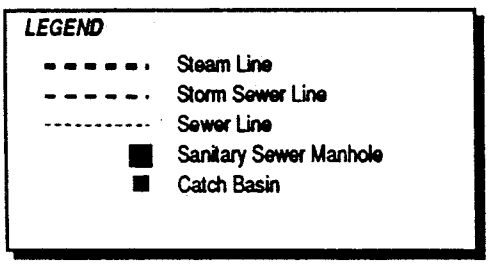
Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 81, 83, and 207. This parcel zone has been designated the Medical and Commercial Zone (Zone 12). The Medical and Commercial Zone encompasses the parcels that have been used as medical or commercial facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 12.









1" = 125'

Figure 6-84-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/06.28.94

Filling began in the area covered by this parcel in approximately 1935. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, three buildings (18--theater/post office/safety office, 94--chapel, and 525--bowling alley/exchange cafeteria) cover 30 percent of the parcel. The remainder (70 percent) is open space. A 4,300-square-foot building (former Building 93) housing the chaplain's office was demolished during construction of Building 525 in approximately 1970. The chaplain's office was built in 1942.

Parcel 84 is not located near any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 84 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 525

Building 525 was constructed in approximately 1970 and houses a large bowling alley and a cafeteria (Figure 6-84-1). This building is in good condition. Building 525 is a one-story building, is constructed of masonry block with a concrete floor, and covers approximately 23,000 square feet. The space occupied by Building 525 was formerly a parking area and former Building 93 (see above). No chemical storage, spills, or staining are documented in this building.

Utilities located within and immediately surrounding Building 525 include underground sanitary sewer, storm sewer, steam, water, and electrical lines.

Building 118

Building 118 was constructed in approximately 1942 and houses a theater, post office, and safety office. The building has concrete walls and floors and covers approximately 26,000 square feet. No chemical storage, spills, or staining are documented in this building.

Building 94

Building 94 was constructed in approximately 1942. It has been used as a chapel since it was built. This building is in good condition. It is constructed of wood with a concrete floor and raised shingle roof, and covers approximately 9,000 square feet. No chemical storage, spills, or staining are documented in this building.

Open Space

The open space on Parcel 84 takes up approximately 70 percent of the parcel. The ground surface is 50 percent paved and 50 percent unpaved. Approximately 80 percent of the paved area is surfaced with asphalt and 20 percent is paved with concrete. The pavement is generally in fair condition. The asphalt area west of Building 525 has numerous cracks and shows some settling areas along the building foundation. The unpaved areas are landscaped with grass and shrubs. The majority of the landscaped area has been continuously maintained since approximately 1940.

Bowling alley maintenance chemicals including waxes, solvents, cleaners, degreasers, paint, and lubricants, are stored in two storage lockers on the west side of Building 525 on an asphalt-paved parking area. The duration of storage of these materials in these containers is not known, but may date to construction of Building 525 in approximately 1970. Currently a total of approximately 150 gallons of chemicals are stored collectively in the two lockers. Small stains are evident on the floors of the containers. No sampling is proposed because no staining was noted on the ground surrounding the lockers.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 84 is bounded by Parcels 64, 91, 92, 90, 86, 85, 207, and 83. There are no activities associated with these parcels that are likely to affect the environmental conditions at Parcel 84.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 84, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-84-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 84 because no industrial buildings are present.

As noted earlier, Parcel 84 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed on this parcel.

Once the data gaps in Table 6-84-1 are addressed, Parcel 84 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-84-1

Summary of Data Gaps
NAS Alameda Parcel 84

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 84.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 84.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Natural gas, sanitary sewer, storm sewer, water, and electrical lines identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-84-1

Summary of Data Gaps
NAS Alameda Parcel 84

Data Gap	Status/Description
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, and radiological issues must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-207

PARCEL 207 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 207 at NAS Alameda (Figure 6-207-1). The parcel, which is located in the north central portion of the base, is 0.5 acres in size and is rectangular. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. The parcel does not contain any RCRA sites. No zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 207, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for the building, open space, and boundaries of Parcel 207, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 81, 83, and 84. This parcel zone has been designated the Medical and Commercial Zone (Zone 12). The Medical and Commercial Zone encompasses the parcels that have been used as medical or commercial facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 12.

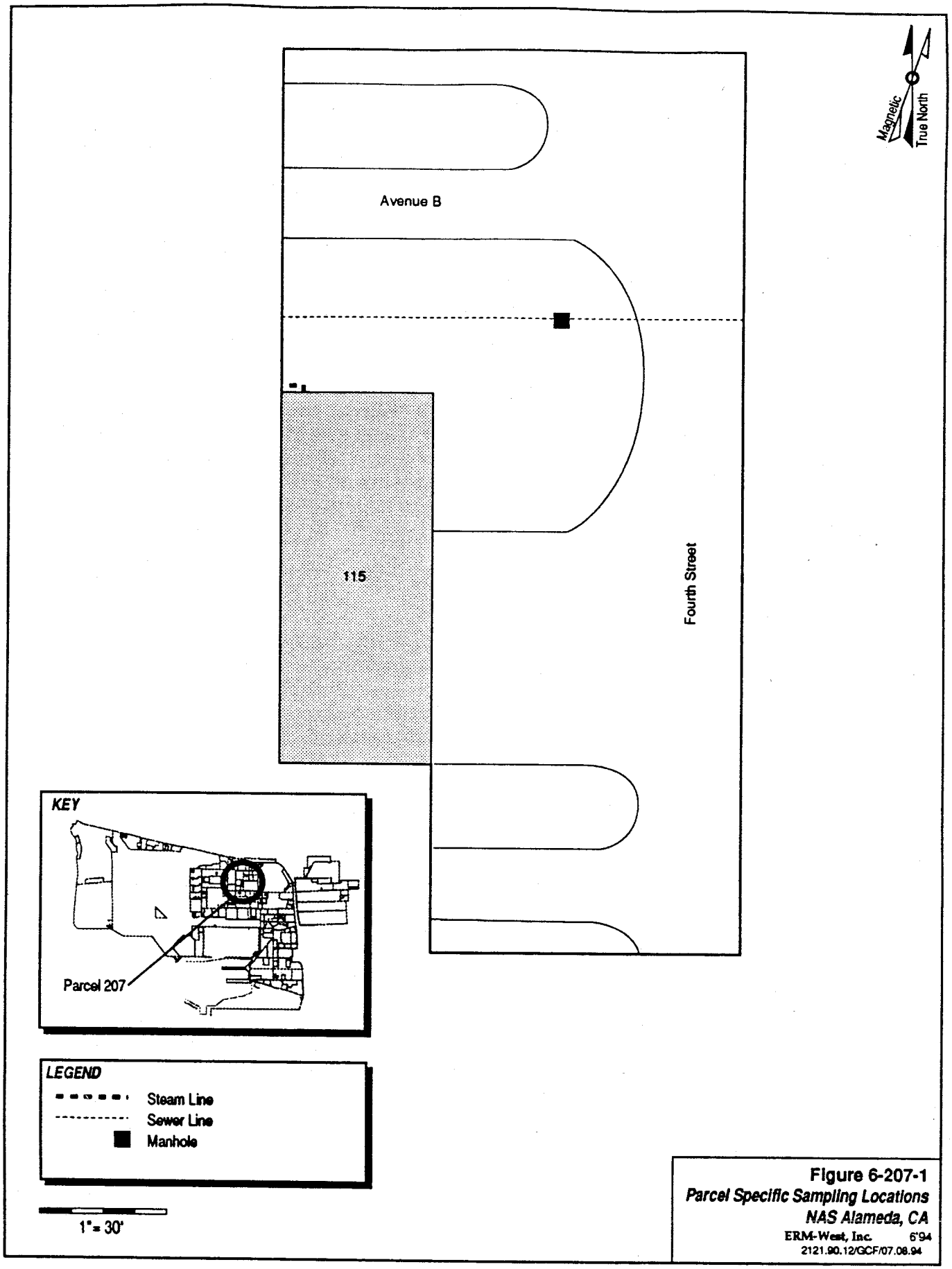


Figure 6-207-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/07.08.94

Filling began in the area covered by this parcel in approximately 1935. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently Building 115, a former ambulance garage, covers approximately 15 percent of the parcel. The remainder (85 percent) is open space that is partially landscaped and partially paved. No other buildings were formerly located on this parcel.

Parcel 207 is located within 500 feet of Installation Restoration (IR) Program Site 8 (Parcel 75, Building 114, PWC Shop). No previous investigations have been conducted at Parcel 207 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 115

Building 115 was constructed in approximately 1943 to serve as an ambulance garage for the adjacent hospital (Building 16, Parcel 83). Currently, the building is used for offices and storage. This building is in fair condition. Building 115 is a wood frame building constructed on a concrete slab foundation. The floor plan covers a total of approximately 2,800 square feet on one floor.

Utilities located within and immediately surrounding Building 115 include underground sanitary sewer, steam, and electrical lines. No transformers are located on the parcel.

A total of approximately 100 gallons of maintenance, cleaning, and medical supplies are stored on wooden shelves and in a cabinet in the building. Stored materials include latex paint, adhesives, sanitizing compounds for medical instruments, floor wax, scouring powder, x-ray fixer, and x-ray film. The floor of the storage area was free of stains.

Open Space

Seventy percent of the parcel open space is paved with concrete sidewalks and asphalt driveways/roadways. The remaining 30 percent

of the open space is landscaped with grass, bushes, and trees. Paved areas are used for vehicle parking. A picnic table is present on the grass on the northeast side of the building. The majority of the landscaped area of the open space has been continuously maintained since the early 1940s.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 207 is bounded by Fourth Street and Avenue B to the east and north, respectively. Across these streets are Parcels 80 (bachelor officers' quarters) and 84 (bowling alley and theater). Parcel 83 (clinic) and Parcel 213 (PWC vector control) border Parcel 207 to the west and south, respectively.

IR Site 8 is located approximately 300 feet south of Parcel 207, and the extent of the concerns associated with this site have not yet been fully defined. Additional monitoring well installation and sampling are proposed at IR Site 8 by the IR contractor. No sampling is called for in this PEP in response to the nearby IR site. If the continuing investigation at the IR site reveals a cause for concern at Parcel 207, then additional sampling on Parcel 207 may be appropriate.

RCRA Sites

No RCRA sites are located on this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 207, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-207-1 must be addressed before the parcel can be

TABLE 6-207-1

Summary of Data Gaps
NAS Alameda Parcel 207

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 207.
Installation Restoration (IR) Sites	• IR Site 8 (Building 114) is located approximately 300 feet south of Parcel 207. Additional subsurface investigation relative to IR Site 8 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• No PCB issues identified.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Sanitary sewer and electrical lines identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-207-1

Summary of Data Gaps
NAS Alameda Parcel 207

Data Gap	Status/Description
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 207 because no industrial buildings are present.

As noted earlier, Parcel 207 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed at this parcel.

Once the data gaps in Table 6-207-1 are addressed, Parcel 207 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, underground lines, radiological issues, and the nearby IR site must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-Z13

ZONE 13 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 13 at NAS Alameda (Figure 6-Z13-1). Zone 13 has been designated the Central Light Industrial Zone and encompasses the parcels that have laboratory, electronics, plating, and vehicle maintenance activities. Zone 13 is comprised of Parcels 66, 67, 68, 69, 75, 76, 77, 78, 79, 82, 104, 105, 106, 107, 108, 109, 186, 188, 189, 203, and 213. During the sampling program development, the parcels located in this zone were evaluated together. Two zone-wide target investigation areas (target areas) and four parcel-specific target areas have been identified in this zone. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface Geoprobe soil sampling. Table 6-Z13-1 provides the complete list of samples and analyses prescribed for this zone, and Figure 6-Z13-1 illustrates all sample locations for the entire zone, including parcel-specific sampling. Two of the parcels in this zone have been reclassified from BRAC Category 7. Parcels 75 and 76 have been reclassified to BRAC Category 6.

This zone evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 13, historical activities are discussed below.

Zone 13 Background and Historical Activities

This subsection briefly summarizes EBS information available for buildings, open spaces, and boundaries of Zone 13 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the Parcel Evaluation Plans (PEPs) for the parcels contained in this zone.

Past and present use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and

TABLE 6-Z13-1

Summary of Recommended Samples
NAS Alameda Zone 13

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z13-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 13 Target Area 1	Pesticides, Fuels, Oils	PCBs, TPH, Lead	EPA 8080, Modified EPA 8015, ICAP SCAN
Z13-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 13 Target Area 1	Creosote, Tie Tar	SVOCs	CLP RAS
Z13-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 13 Target Area 1	Pesticides, Fuels, Oils	PCBs, TPH, Lead	EPA 8080, Modified EPA 8015, ICAP SCAN
Z13-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 13 Target Area 1	Creosote, Tie Tar	SVOCs	CLP RAS
Z13-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 13 Target Area 1	Pesticides, Fuels, Oils	PCBs, TPH, Lead	EPA 8080, Modified EPA 8015, ICAP SCAN
Z13-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 13 Target Area 1	Creosote, Tie Tar	SVOCs	CLP RAS
Z13-4-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 13 Target Area 2	Banned Pesticides	Pesticides	CLP RAS
Z13-5-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 13 Target Area 2	Banned Pesticides	Pesticides	CLP RAS
Z13-6-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 13 Target Area 2	Banned Pesticides	Pesticides	CLP RAS
Z13-7-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 13 Target Area 2	Banned Pesticides	Pesticides	CLP RAS

historical aerial photographs (the non-intrusive investigation[1]). This information was used to determine areas on the zone where sampling was deemed necessary to delineate potential impacts of compounds of concern.

Zone 13, the Central Light Industrial Zone encompasses 21 parcels that have laboratory, electronics, plating, and vehicle maintenance activities on or near them. During the sampling program development, the parcels located in this zone were evaluated together to better address zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of specific parcel concerns is provided in the PEPs for individual parcels.

Filling began in the area covered by this zone in approximately 1930. Prior to this time, the zone area was completely inundated by San Francisco Bay. The zone was completely filled as of 1942; the ground level and grading have not changed significantly since that time.

Currently, 26 buildings and three structures cover approximately 70 percent of the zone. The remaining 30 percent is open space. Eleven buildings and one structure were formerly located on the zone and have since been demolished.

Zone 13 contains two Installation Restoration (IR) Program sites (IR Site 8 - Building 114; and IR Site 12 - Building 10). Previous investigations have been conducted at Zone 13, and specific data regarding chemical occurrence at this zone are available.

Underground fuel, steam, and sewer lines present on this zone are illustrated in the individual PEP figures. Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns and asbestos-containing materials on Zone 13 will be addressed in other sampling programs and are not considered in this ZAP.

Underground Storage Tanks

Three abandoned underground storage tanks are present at Parcel 68 (Tanks 6-1, 6-2, and 6-3). The tanks were installed at an unknown date and are located on the west side of Building 6. Tanks 6-1 and 6-2 were used to store solvents and have capacities of

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1 The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.

1,000 gallons, each. Tank 6-3 was used to store solvents and waste oil and has a capacity of 1,000 gallons. These tanks have been identified as RCRA tanks based on their former contents and their inclusion in the RFI. Five other tanks are listed in the EBS documents as existing on Parcel 68. No other information is available regarding these tanks. These tanks are scheduled to be removed.

Five inactive underground storage tanks are present at Parcel 69 (Tanks 10-1, 10-2, 10-3, 10-4, and 10-5). These tanks are currently filled with sand. It is unknown when the tanks were installed, or what was stored in the tanks. The tanks are located near the northeast corner of Building 10. The tanks have capacities ranging from 16,400 to 24,000 gallons. One 4,000-gallon capacity tank (Tank 10-6) formerly existed near the southeast corner of Building 10 (Parcel 69). It is unknown what was stored in this tank. Tank 10-6 was removed in 1993.

One underground storage tank may be present at Parcel 79 (Tank 392-1). The *NAS Alameda, Impediment Map with Tanks and IR Sites,* indicates that Tank 392-1 is located on Parcel 79. However, Building 392 is located on Parcel 189, and this tank may actually be located on that parcel.

One active underground storage tank is present at Parcel 82 (Tank 7-1). The installation date of this tank is unknown, though it is likely congruent with the construction of Building 7. The tank has been reported to be located on both the west and north sides of Building 7. Based on the available information, Tank 7-1 is used to store used fuel samples. The capacity of the tank is not known. No data pertaining to tightness or tank integrity have been identified. The tank is periodically checked and emptied by environmental group personnel.

Two active underground storage tanks are present at Parcel 186 (Tanks 282-1 and 282-2). The presence of these tanks was identified from the EBS. These tanks are located east of Building 282. Tanks 282-1 and 282-2 contain unleaded gasoline and diesel and have capacities of 5,000 gallons, each. These tanks passed an October 1991 tank and line test. The tanks and piping also passed precision tests in 1993 and 1994.

One underground storage tank was formerly present at Parcel 189 (Tank 392-1). Tank 392-1 was installed on an unknown date, and was located near Building 392. This tank was used to store unleaded gasoline and had a capacity of 500 gallons. Based on the available information, this tank passed a November 18, 1991 tank and line test, prior to removal. This tank is being investigated under the RCRA closure plan.

An unknown number of underground storage tanks may be present at Parcel 203, as evidenced by a large concrete pad with numerous pipeways and potential UST inlets observed during the site inspection. No other evidence exists indicating USTs at this parcel.

RCRA Sites

This zone includes 12 RCRA sites on Parcels 66, 68, 69, 75, 82, 186, and 213. These sites were evaluated consistent with the criteria applied to other potential target areas at the zone. Under these criteria, of the 12 RCRA sites at this zone, three require further investigation, either as part of the tank program, an RFI, or within the PEPs. The tanks are being addressed as part of the UST program. Any necessary investigation will be implemented as part of the UST program. A brief description of each RCRA site is provided in the corresponding PEP. The sampling proposed for the sites that require sampling is also described in the corresponding PEP.

Zone Boundary Conditions

Zone 13 is bounded by Zones 9, 10, 11, 12, 14, and 15. Activities of concern on these adjacent zones include aircraft rework, maintenance and fueling on Zones 10 and 11, and material storage and warehousing on Zone 14.

Zone Target Areas and Compounds of Concern

This zone contains two zone-wide target areas and four parcel-specific target areas. This subsection of the ZAP discusses the specific zone-wide target area and provides an overview of the parcel-specific target areas. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this zone. Detailed information regarding the parcel-specific target areas and the proposed sampling is provided in the PEPs for individual parcels. The nature and locations of the zone-wide and parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

Zone 13 Target Areas

- Zone 13 Target Area 1 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Central Light Industrial Zone. Railroad tracks are located

throughout the zone. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas for a total of three surface soil samples for this zone target area. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means. The samples to be collected in this target area are listed in Table 6-Z13-1. The approximate sampling locations are shown on Figure 6-Z13-1.

It should be noted that railroad track sampling will first be performed in the Housing Zone (Zone 16). If investigations there indicate that the potential releases of the compounds of concern are negligible, then the railroad track zone target area may be eliminated in this zone and other zones. Alternately, if the investigations in Zone 16 indicate that only certain compounds of concern are actually associated with the railroad tracks, then sampling may be modified to analyze for the more limited suite of the compounds of concern, only.

- Zone 13 Target Area 2, (Unpaved/Landscaped Areas): Based on historical aerial photographs, portions of the unpaved open spaces of Zone 13 have been unpaved since 1940. Zone 13 Target Area 2 includes all landscaped, and current and former unpaved areas within the Central Light Industrial Zone. Unpaved and landscaped areas may have been impacted by pesticides that were used to suppress vegetation. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. A range of unpaved areas will be sampled to assess potential risk, if any, from historical pesticide application. This target area is classified as having potential likelihood of impacts, and is identified because of the potential recreational use of portions of this zone (Parcels 104, 105, 109, and 203). Four surface soil samples for pesticides will be collected from the locations shown on Figure 6-Z13-1. Samples to be collected in this zone-wide target area are listed in Table 6-Z13-1.

Parcels 66, 67, 69, 76, 77, 78, 79, 82, 104, 105, 106, 107, 108, 109, 186, 188, 203, and 213 Target Areas

No parcel-specific target areas were identified at these parcels.

Parcel 68 Target Areas

- Target Area 1 (Building 6): The soils beneath the shop areas and in the interior courtyard of Building 6 may have been impacted by the documented spillage that resulted in scattered staining covering approximately 30 percent of the floor. The compounds of concern include metals and TPH. This target area covers approximately 20,000 square feet and has been classified as having a potential likelihood of impacts. Four surface and four subsurface soil samples will be collected in this target area.

- Target Area 2 (South Parcel Boundary): The southern portion of Parcel 68 may have been impacted by the documented spillage of fuel on Parcel 186. The compounds of concern include TPH and VOCs. This target area covers approximately 1,500 square feet and has been classified as having a potential likelihood of impacts. Two surface and two subsurface soil samples will be collected in this target area.

Parcel 75 Target Area

- Target Area 1 (Building 114 Pesticide Storage Shed): The soils adjacent to the pesticide storage shed may have been impacted by releases of the pesticides stored in the shed, since the pavement is in poor condition on this parcel. This target area covers approximately 500 square feet and has been classified as having a potential likelihood of impacts. Two surface soil samples will be collected from this target area.

Parcel 189 Target Area

- Target Area 1 (Building 392): The soil underneath the heavily stained area around the generator will be sampled for TPH. The area covers approximately 100 square feet and has been classified as having a potential likelihood of environmental impacts, due to the fair condition of the pavement of this parcel. Two surface soil samples will be collected in this target area.

Screening-Level Investigation

Surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14) are the screening-level technique that will be employed to assess conditions in the zone and parcel-specific target

areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

Table 6-Z13-1 summarizes screening-level sampling and analysis for the zone and parcel-specific target areas. A total of 17 surface soil and six subsurface soil samples will be collected from the locations shown on Figure 6-Z13-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the zone areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-66

PARCEL 66 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 66 at NAS Alameda (Figure 6-66-1). The parcel is located in the central portion of the base, is 2.7 acres in size, and is rectangular in shape. This parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains two RCRA sites described in the Part B permit. No parcel-specific or zone-wide target investigation areas (target areas) have been identified at this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 66, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 66, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 67, 68, 69, 75, 76, 77, 78, 79, 82, 104, 105, 106, 107, 108, 109, 186, 188, 189, 203, and 213. This parcel zone has been designated the Central Light Industrial Zone (Zone 13). The Central Light Industrial Zone encompasses the parcels that have laboratory, electronics, plating, and vehicle maintenance activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected

for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 13.

Filling began in the area covered by this parcel in 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1942; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 32) covers approximately 35 percent of the parcel. The remaining 65 percent is open space. The parcel area is presently in use as a metal treatment shop and associated parking lot. No former buildings or structures were located at this parcel that have since been demolished. Underground steam and sewer lines are present on this parcel and are shown on Figure 6-66-1.

Parcel 66 is located immediately west of Installation Restoration (IR) Program Site 8 (Parcel 75, Building 114, Pest Control Area and Separator Pit), approximately 200 feet east of IR Site 5 (Parcel 54, Building 5), and 500 feet north of IR Site 12 (Building 10, Power Plant). No previous investigations have been conducted at Parcel 66, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within the open space and building are described in detail below.

Building 32

Building 32 was constructed in 1990 and serves as a metal plating shop (Figure 6-66–1). This two-story building covers approximately 56,600 square feet and is in good condition. Building 32 is constructed with a steel frame and metal siding, concrete floors, and a steel frame roof. The space occupied by Building 32 was formerly open space used for parking from 1942 to 1990.

Utilities located within and immediately surrounding Building 32 include sanitary sewer, storm sewer, steam, water, electrical, and industrial sewer lines. A Resource Conservation and Recovery Act (RCRA) Part B permit and an air quality permit were issued for this building in 1990.

Information collected during the EBS indicates that activities conducted within this building include plating and metal finishing. Electric drying in ovens, welding, ion vapor deposition, chrome anodizing, chrome plating, degreasing, abrasive blasting, chromium/magnesium/aluminum finishing, cadmium conversion coating, and acid etching and stripping processes were conducted throughout the building. These processes typically involve the use or generation of chemicals and wastes including mixed metals, cyanide waste, cadmium waste, chromium, acids, alkalis, chrome waste, and nickel precipitates. Metal finishing processes occurred within Building 32 since its construction in 1990 to the present.

Metals (nickel, chromium, aluminum, magnesium, and copper), degreasers including VOCs, sodium salts, reactives, corrosives (including hydrochloric acid), and lubricants are documented to have been stored and used in Building 32 since its construction. Approximately 110,000 gallons of compounds and solutions are stored in Building 32. Disposal of used chemicals is accomplished by treatment at the industrial waste treatment plant located within Building 32 followed by discharge into the sanitary sewer.

No records of spills were found during the site history review. Undocumented spills may have occurred at various locations within Building 32, as evidenced by scattered, small stains throughout the building. These spills are of unknown and various origins, as indicated by varying colors and intensities of the stains. Because this is a relatively new building with a concrete floor, it is unlikely that this minor staining has resulted in impacts to the underlying soils, and no sampling is proposed in response to this staining.

Building 32 is equipped with a heating-ventilation-air conditioning (HVAC) system partially designed to mitigate vapor and fume accumulation to acceptable Occupational Safety and Health Administration (OSHA) levels. There is a significant accumulation of dusts on interior building surfaces including floors and walls. No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 32.

Open Space

The open space covers approximately 65 percent of the parcel. The open space is 90 percent paved and 10 percent unpaved. Approximately 70 percent of the open space is surfaced with asphalt and 20 percent is covered with concrete. The pavement is generally in good condition. The unpaved areas of the open space are covered with grass and landscaping.

Structures located within the open space include two Baker tanks and one dumpster. The Baker tanks are constructed of plastic and store wastewater from the treatment plant located in Building 32.

EBS information indicates that activities conducted within this open space include vehicle parking and storage of treated wastewater in the Baker tanks prior to discharge to the sanitary sewer.

No spills or staining has been documented in the open space of Parcel 66. No incidents such as fires, mishaps, or flooding are documented to have occurred within the open space of Parcel 66.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 66 is bounded by Parcels 59, 65, 67, and 75. Parcel 75 contains IR Site 8 (Pest Control Area and Separator Pit). Elevated concentrations of VOCs, SVOCs, TPH, metals, pesticides, and PCBs have been detected in soil and/or groundwater at least one of the nearby IR sites. The IR contractor has proposed installation of a monitoring well (M05-08) on the southwest corner of Parcel 66 to assess possible groundwater impacts on the parcel from IR Site 5.

No sampling is called for in this PEP in response to the nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 66, then additional sampling on Parcel 66 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes two RCRA sites (SWMU/32-1 and SWMU/32-2). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, these sites do not require sampling because the sites are located within Building 32, which has concrete flooring that appears relatively new.

Both sites consist of areas where 55-gallon drums of wastes containing copper, silver, cyanide, sodium, cadmium, nickel sulfamate, and chromic acid are stored. These sites are currently active.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 66, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-66-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: asbestos, transformers, industrial hygiene concerns, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Building 32, a RCRA Part B Permitted Facility, because this facility will be closed in accordance with its RCRA Closure Plan.

As noted earlier, Parcel 66 has open space areas that are landscaped/unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 66.

Once the data gaps in Table 6-66-2 are addressed, Parcel 66 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-66-2

Summary of Data Gaps
NAS Alameda Parcel 66

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• Parcel 66 is located immediately west of IR Site 8 (Parcel 75, Building 114, Pest Control Area and Separator Pit), approximately 200 feet east of IR Site 5 (Parcel 54, Building 5), and 500 feet north of IR Site 12 (Building 10, Power Plant). Additional subsurface investigation relative to IR Sites 5 and 8 are proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-66-2

Summary of Data Gaps
NAS Alameda Parcel 66

Data Gap	Status/Description
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Sanitary sewer, storm sewer, water, electrical, and industrial sewer lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to PCBs, asbestos, underground lines, radiological concerns, and impacts of the nearby IR sites must be resolved before this parcel can be leased or transferred.

SECTION 6-67

PARCEL 67 EVALUATION PLAN

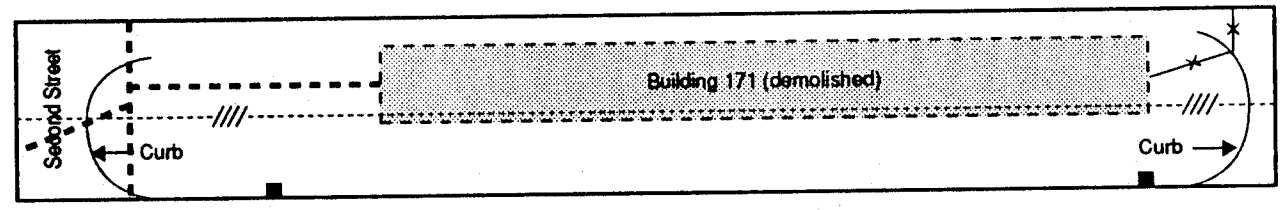
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 67 at NAS Alameda (Figure 6-67-1). The parcel, which is located in the central portion of the base, is less than one acre in size and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 67, historical activities are discussed below.

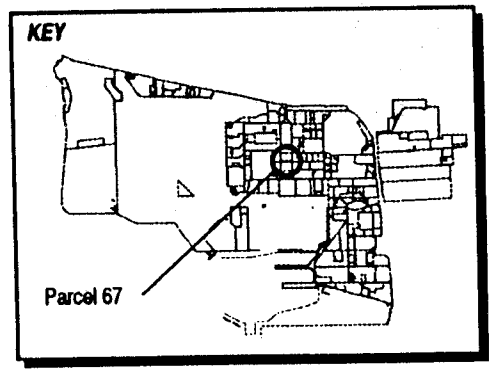
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 67, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 66, 68, 69, 75, 76, 77, 78, 79, 82, 104, 105, 106, 107, 108, 109, 186, 188, 189, 203, and 213. This parcel zone has been designated the Central Light Industrial Zone (Zone 13). The Central Light Industrial Zone encompasses the parcels that have laboratory, electronics, plating, and vehicle maintenance activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected





LEGEND

- Steam Line
- Sewer Line Abandoned In Place
- Catch Basin

Note: No screening-level sampling recommended for this parcel.

1"= 60'

Magnetic
True North

Figure 6-67-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
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for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 13.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, there are no buildings located on the parcel. The parcel is presently in use as a parking area. Two buildings (Buildings 171 and 317) were formerly located on the parcel and have been demolished. Underground steam and sewer lines are present on this parcel and are shown on Figure 6-67-1.

Parcel 67 is adjacent to two Installation Restoration (IR) Program sites (IR Sites 5 and 8, Buildings 5 and 114, respectively). No previous investigations have been conducted at Parcel 67, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental within the parcel open space and buildings are described in detail below.

Buildings 171 and 317

Buildings 171 and 317 were constructed in 1945 and 1953, respectively. These buildings were both demolished between 1985 and 1990. Building 171 was a bus station and an administrative office building. No information regarding the use of Building 317 is available. No available information exists regarding chemical usage, storage, or disposal in these buildings. The concrete foundation of Building 171 still partially exists on Parcel 67. No documented spills, staining, or other incidents (e.g., fires, mishaps, flooding, or crashes) have occurred within or near these former buildings.

Open Space

The parcel consists entirely of open space, and is entirely paved with concrete. The concrete foundation of former Building 171 is part of the pavement. Utilities located within and immediately surrounding the open space include underground sanitary sewer, steam, water,

electrical, and industrial sewer lines. EBS information indicates that activities conducted within this open space include vehicle parking. No chemical storage or usage is documented to have occurred in this area.

There is a two-foot by four-foot piece of wood on the south side of the parcel that covers a one and a half foot deep hole. Two covered pipes were visible in the hole. Assorted debris and bare earth was visible at the bottom of the hole. The origin of the pipes are unknown, though it is likely that the hole is used for utility access. No staining was noted in or surrounding the hole. Old piping connections that used to serve Building 171 are also present in the area.

Small oil-like stains related to vehicle parking were noted on the parcel. These are minor stains and will not be sampled in this PEP. No other staining, documented spills or incidents are documented to have occurred at this parcel.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 67 is bounded by Parcels 54, 66, 68, and 75. Activities of concern on these adjacent parcels include metal plating on Parcel 66, aircraft rework on Parcel 54, storage of pesticides, painting, and woodworking on Parcel 75, and automobile repair and rework on Parcel 68. Second Street borders Parcel 67 to the west.

No sampling is called for in this PEP in response to the nearby IR sites or other boundary conditions. If the continuing investigations at the IR sites and other surrounding parcels reveal a cause for concern at Parcel 67, then additional sampling on Parcel 67 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 67, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-67-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 67 because no buildings are present.

Once the data gaps in Table 6-67-2 are addressed, Parcel 67 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to PCBs, underground lines, radiological concerns, and the impacts of the adjacent IR sites must be resolved before this parcel can be leased or transferred.

TABLE 6-67-1

Summary of Data Gaps
NAS Alameda Parcel 67

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No buildings exist at Parcel 67.
Installation Restoration (IR) Sites	• Parcel 67 is adjacent to IR Site 5 (Building 5) and IR Site 8 (Building 114). Additional subsurface investigation relative to IR Sites 5 and 8 are proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• No LBP issues identified.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-67-1

Summary of Data Gaps
NAS Alameda Parcel 67

Data Gap	Status/Description
Underground Utilities	• Sanitary sewer, water, electrical, and industrial sewer lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• Other data gaps identified include the hole with piping within.

SECTION 6-68

PARCEL 68 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 68 at NAS Alameda (Figure 6-68-1). The parcel, which is located in the central portion of the base, is approximately three acres in size and is rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains two RCRA sites (SWMU GAP 1, and USTs). Two parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface Geoprobe soil sampling. Table 6-68-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 68, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 68, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 66, 67, 69, 75, 76, 77, 78, 79, 82, 104, 105, 106, 107, 108, 109, 186, 188, 189, 203, and 213. This parcel zone has been designated the Central Light Industrial Zone (Zone 13). The Central Light Industrial Zone encompasses the parcels that have laboratory, electronics, plating, and vehicle

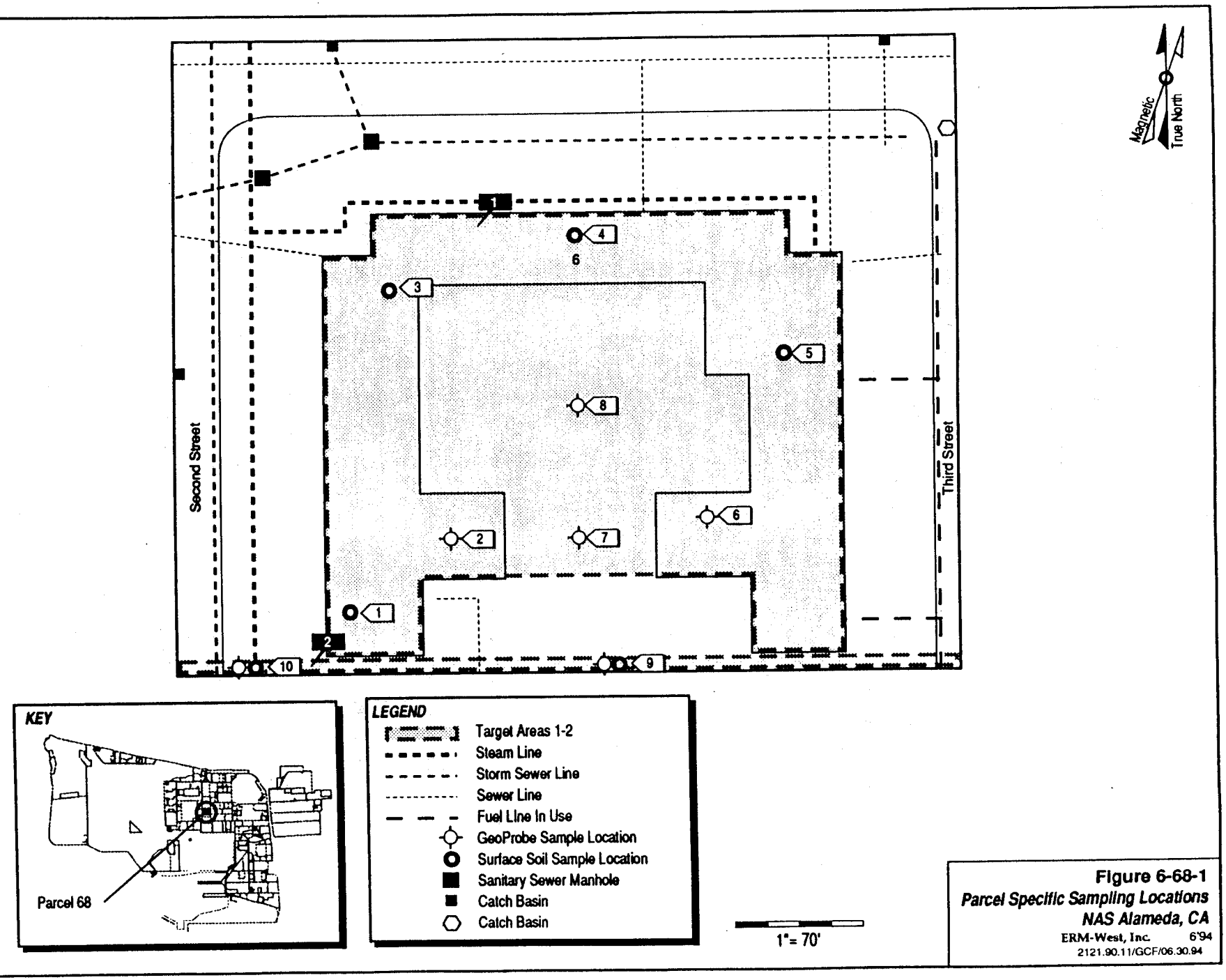

Figure 6-68-1
Parcel Specific Sampling Locations
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TABLE 6-68-1

Summary of Recommended Samples
NAS Alameda Parcel 68

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
68-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lube Oil, Waste Oil, Metals	TPH, Metals	Modified EPA 8015, ICAP SCAN
68-2-4-S-V-DDMMYY	TBD*	Subsurface	Soil	Target Area 1	Lube Oil, Waste Oil, Metals	TPH, Metals	Modified EPA 8015, ICAP SCAN
68-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lube Oil, Waste Oil, Metals	TPH, Metals	Modified EPA 8015, ICAP SCAN
68-4-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lube Oil, Waste Oil, Metals	TPH, Metals	Modified EPA 8015, ICAP SCAN
68-5-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Lube Oil, Waste Oil, Metals	TPH, Metals	Modified EPA 8015, ICAP SCAN
68-6-4-S-V-DDMMYY	TBD*	Subsurface	Soil	Target Area 1	Lube Oil, Waste Oil, Metals	TPH, Metals	Modified EPA 8015, ICAP SCAN
68-7-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Lube Oil, Waste Oil, Metals	TPH, Metals	Modified EPA 8015, ICAP SCAN
68-8-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Lube Oil, Waste Oil, Metals	TPH, Metals	Modified EPA 8015, ICAP SCAN
68-9-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Fuels	TPH	Modified EPA 8015
68-9-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	Gasoline	VOCs	CLP RAS
68-10-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Fuels	TPH	Modified EPA 8015
68-10-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	Gasoline	VOCs	CLP RAS

* These samples should be collected from a depth corresponding to the bottom of the hydraulic lifts.

maintenance activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 13.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 6) covers approximately 35 percent of the parcel. The remaining 65 percent is open space. This building is currently used as a repair shop, steam cleaning facility, electromotor shop, storage area, and fire station. Two buildings (Buildings 194 and 195) were formerly located on this parcel, and have been demolished. Underground fuel, steam, and sewer lines are present on this parcel and are shown on Figure 6-68-1.

Parcel 68 is located adjacent to Installation Restoration (IR) Sites 5 and 8 (Building 5 and Building 114, respectively), and less than 200 feet north of IR Site 12 (Building 10). No previous investigations have been conducted at Parcel 68, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 6

Building 6 was constructed in 1940 and has served as a fire station and vehicle maintenance and repair facility (Figure 6-68-1). Building 6 was formerly Buildings 6 and 7. These buildings became one building (Building 6) in the 1960s. Building 6 is constructed with concrete walls and floors, and a gravel-composite roof. It covers approximately 40,000 square feet. There are hydraulic lift systems located in the garage bays, two of which are no longer in use. The reserve tanks and lines are still in place. An oil/water separator is located in the steam cleaning bay.

Utilities located within and immediately surrounding Building 6 include underground sanitary sewer, storm sewer, steam, water, electrical, fuel (on Parcel 186), and industrial sewer lines. Five transformers are documented to have been used in Building 6. Three of these transformers are filled with PCB oil containing greater than 50 parts per million PCBs. These transformers were not observed during the site inspection. No permits appear to have been issued for this building.

Information collected during the EBS indicates that activities conducted within this building included vehicle and equipment (i.e., forklift) repair, steam cleaning, equipment and supply storage, and electromotive repair. The equipment storage bay was formerly used as a paint bay. These activities are conducted in various shops throughout the building. Oil changing processes, which were conducted in the tire/auto shop area of the building, generated waste oil. These processes typically involve the use of chemicals including solvents and petroleum products (i.e., lubrication oils). Fire truck maintenance activities conducted at the fire station generate waste oil and used antifreeze. Nonchlorinated wash solvents and petroleum products are used and stored in the building. These processes appear to have occurred within Building 6 from its construction to the present.

Petroleum products, cleaning agents, adhesives, antifreeze, solvents, paints, acids, and acetylene/oxygen (compound gases) are documented to have been stored in various locations in Building 6. An approximate total of 300 gallons of the above listed chemicals were documented to be stored in Building 6 during the site inspection, and the majority was found in the fire station bays. This building is authorized to store up to 500,000 gallons of petroleum products, halogenated and nonhalogenated organics, paints, and corrosives. This inventory was obtained by reviewing the authorized use list for Building 6. The authorized use list gives maximum quantities allowed to be stored in or related to a building on an annual basis. This does not mean that the maximum quantity has actually been stored in the building.

Disposal of used chemicals is accomplished by discharging into the oil/water separator or by accumulation in chemical storage tanks and drums. Used petroleum products, nonhalogenated organics, metals, and corrosives are also documented to be stored in Building 6 as hazardous waste in total quantities of 200 gallons. Eleven 55-gallon drums were observed during the site inspection containing waste antifreeze, oil, rags, and oil-contaminated absorbent material. These were found in the various shops of the building.

Stains potentially resulting from releases of paints, solvents, and petroleum products were documented during the site inspection. Ongoing releases of various materials were observed occurring in the PWC mechanics shop during the site inspection. Staining is present in the PWC shops, fork lift shop, tire and auto shop, fire department, electromotive shop, steam cleaning bay, and the equipment storage (former paint) bay. The spills are sometimes cleaned up using a quick dry absorbent, followed by a rinsing with water. The repair and parking bays are cleaned with a soap and water solution that is swept out the roll-up doors for disposal/evaporation. The concrete is noted to be heavily cracked in localized areas throughout the building. Disposal via the drainage system does not occur because the drainage system has not functioned since the Loma Prieta earthquake. However, heavy staining around the sealed drains in the auto shop indicates possible drain contamination. The staining in these various areas is addressed by Target Area 1.

Building 6 is equipped with a heating-ventilation-air conditioning (HVAC) system. The accumulation of paint blow-down from air vents in the equipment storage bay (former paint bay) may contain lead. Accumulation of paint residue was observed on and in the exhaust fan and vents. Building 6 contains a steam line that may be insulated with ACM. There are two HEPA vacuums on the premises for use when brake pads with ACM are replaced. No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 6.

Open Space

The open space covers approximately 65 percent of the parcel. The open space is used for vehicle and equipment parking, outdoor repair, and storage. The open space is 95 percent paved and five percent unpaved. Approximately 90 percent of the paved area is surfaced with asphalt and 10 percent is covered with concrete. The pavement is in fair condition. The unpaved areas of the open space are covered with grass and landscaping. No structures are located within the open space. Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, water, electrical, fuel, and industrial sewer lines.

The open space has apparently served the above listed purposes since its development. Target Area 1 encompasses the outdoor repair areas in the Building 6 Courtyard. No documented industrial processes were conducted here. There is also a storm drain located in the center of the open space which receives drainage from the machine shop.

Several flammable materials storage lockers are located on the rear side of Building 6. Grease and oils are documented to have been used within the open space. A concrete hole filled with dirt was noted in front of the emergency generator. It is unclear what this hole was used for.

No documented spills have occurred in the open space. Small oil and paint stains are present throughout the area, and are apparently mainly related to vehicle and equipment parking. One stain (10 feet by 15 feet) is located southeast of the emergency generator. This staining is relatively minor and does not warrant sampling at this time. No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

Three abandoned underground storage tanks are on the west side of Building 6 (Tanks 6-1, 6-2, and 6-3). The presence of these tanks was identified from the EBS. Tanks 6-1 and 6-2 were used to store solvents and have capacities of 1,000 gallons, each. Tank 6-3 was used to store solvents and waste oil and has a capacity of 1,000 gallons. The installation dates of these tanks are unknown. The available information did not identify why the tanks were abandoned. However, based on general comments made by NAS Alameda personnel, tanks were most commonly abandoned because they were leaking. These tanks have been identified as RCRA tanks based on their inclusion in the RFI. Tanks 6-1, 6-2, and 6-3 are scheduled to be removed.

Five other tanks are listed in the EBS documents as existing on Parcel 68. No other information is available regarding these tanks.

Parcel Boundary Conditions

Parcel 68 is bounded by Parcels 54, 67, 75, and 186. Activities of concern on these adjacent parcels include aircraft rework on Parcel 54, storage of pesticides, painting, and woodworking on Parcel 75, and fuel storage and dispensing on Parcel 186. A release of fuel is documented to have occurred on the north side of Parcel 186, and is currently part of the RCRA Corrective Action Program. This fuel release is addressed by Target Area 2. Second Street borders Parcel 68 to the west. If the sampling proposed for the surrounding parcels indicate that these activities may have impacted Parcel 68, then additional sampling on Parcel 68 may be appropriate.

No sampling is called for in this PEP in response to the two nearby IR sites (IR Sites 5 and 8; Buildings 5 and 114, respectively). If the continuing investigations at the IR sites reveal a cause for concern at Parcel 68, then additional sampling on Parcel 68 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and the requirements associated with such sites, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes two RCRA sites (site number SWMU/GAP 1, and the inactive USTs). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, SWMU/GAP 1 does not require sampling because the location of the site could not be determined based on available records and EBS information.

The Hazardous Waste Facility Permit (Permit) for NAS Alameda included an RFA. The RFA identified Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs). The permit requires NAS Alameda to investigate all SWMUs and AOCs identified in the permit and any other sites which NAS Alameda may discover. Usually, the investigation is conducted through an RFI. At NAS Alameda, however, the requirements of the permit are being met through PEPs and the UST Program. Sites requiring remediation will not go through RCRA Corrective Action. Instead, they will be remediated through the Installation Restoration Program, consistent with CERCLA, or through the UST Program. Three tanks are scheduled to be removed, and any necessary investigation will be implemented as part of the UST program. A description of the tanks is provided in the Underground Storage Tank subsection above. These tanks were identified as RCRA tanks based on their former contents and their inclusion in the RFI.

It is unknown whether any chemicals have been released from SWMU/GAP 1. This site consists of 55-gallon drums (unspecified number). Oily liquids are the chemicals of concern associated with this site.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 68, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for

which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-68-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) Sampling is required for Parcel 68 because no industrial buildings are present.

As noted earlier, Parcel 68 has open space areas that are landscaped/unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 68.

Once the data gaps in Table 6-68-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 68 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains two parcel-specific target areas. This subsection of the PEP discusses the specific parcel target areas. The nature and locations of the parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-68-2.

TABLE 6-68-2

Summary of Data Gaps
NAS Alameda Parcel 68

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings are present on Parcel 68.
Installation Restoration (IR) Sites	• Parcel 68 is located adjacent to IR Site 5 (Building 5) and IR Site 8 (Building 114), and less than 200 feet north of IR Site 12 (Building 10). Additional subsurface investigation relative to IR Sites 5, 8, and 12 are proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Evidence of potential groundwater contamination migration from neighboring Parcel 186 identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1 (Building 6). • Target Area 2 (South Parcel Boundary).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-68-2

Summary of Data Gaps
NAS Alameda Parcel 68

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• Three abandoned underground storage tanks are present at this parcel (Tanks 6-1, 6-2, and 6-3). Tanks 6-1, 6-2, and 6-3 were used to store solvents and waste oil and have capacities of 1,000 gallons, each. These tanks have been identified as RCRA tanks and are scheduled to be removed. • Five other tanks are listed in the EBS documents as existing on Parcel 68. No other information is available regarding these tanks.
Underground Utilities	• Sanitary sewer, storm sewer, water, electrical, and industrial sewer lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Fuel lines identified on neighboring Parcel 186.
Wetlands	• No wetlands identified.
Other	• A concrete hole filled with dirt was noted in front of the emergency generator. It is unclear what this hole was used for.

- Target Area 1 (Building 6): The soils beneath the shop areas of Building 6 may have been impacted by the documented spillage that resulted in scattered staining covering approximately 30 percent of the floor. In addition, the courtyard area may have been impacted by outdoor repair activities. The compounds of concern include metals and TPH, specifically lubrication oils. This target area covers approximately 20,000 square feet and has been classified as having a potential likelihood of impacts. Four surface and four subsurface soil samples will be collected in this target area. The samples are listed in Table 6-68-1.

- Target Area 2 (South Parcel Boundary): The southern portion of Parcel 68 may have been impacted by the documented spillage of fuel on Parcel 186. The compounds of concern include TPH and VOCs, specifically gasoline- and diesel-range fuels. This target area covers approximately 1,500 square feet and has been classified as having a potential likelihood of impacts. Two surface and two subsurface soil samples will be collected in this target area. These samples are listed in Table 6-68-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14) are the screening-level techniques that will be employed to assess conditions in target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-68-1 summarizes screening-level sampling and analysis for the target areas on the parcel. Six surface soil samples and six subsurface soil samples will be collected from the locations shown on Figure 6-68-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

The site-specific conditions at Target Area 1 results in a density of field surface soil samples below the protocol standard stated in Table 3-1. The sample density is below the standard because of the large size of the target area. The samples should be located in the areas with the most significant staining. If no staining is evident, then the samples should be distributed evenly over the target area.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-69

PARCEL 69 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 69 at NAS Alameda (Figures 6-69-1). The parcel, which is located in the southeast portion of the base, is approximately two acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains IR Site 12 (Building 10) and one RCRA site. One zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. Surface soil sampling will be used to accomplish the screening-level investigation. Table 6-69-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 69, historical activities are discussed below.

Background and Historical Activities

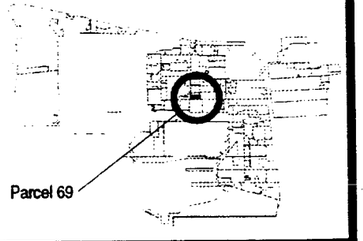
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 69, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 66, 67, 68, 75, 76, 77, 78, 79, 82, 104, 105, 106, 107, 108, 109, 186, 188, 189, 203, and 213. This parcel zone has been designated the Central Light Industrial Zone (Zone 13). The Central Light Industrial Zone encompasses the parcels that have laboratory, electronics, plating, and vehicle maintenance activities. During the sampling program development,

M-12-01
B-12-09
B-12-08
B-12-07
M-12-02
B-12-10
10 PWC
B-12-06
B-12-05
Railroad Track
Z1
M-12-04
M-12-03
Magnetic
True North

KEY



LEGEND

- Steam Line
- Industrial Waste Line
- Storm Sewer Line
- Sewer Line
- Abandoned Fuel Line
- Surface Soil Sample Location
- Boring (Canonie Environmental, Inc.)
- Monitoring Well Location(Canonie Environmental, Inc.)
- Proposed Monitoring Well Location (PRC, Inc.)
- Proposed CPT/Hydropunch Location (PRC, Inc.)
- Catch Basin
- Catch Basin

1"= 30'

Figure 6-69-1
Parcel Specific Sampling Locations
NAS Alameda, CA
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2121.90.10/GCF/07.11.94

TABLE 6-69-1

Summary of Recommended Samples
NAS Alameda Parcel 69

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z13-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 13 Target Area 1	PCBs, Fuels, Solvents, Lubrication Oils, Waste Oils, and Creosote	SVOCs, TPH, PCBs, Lead	CLP RAS, Modified EPA 8015, EPA 8080, ICAP SCAN

the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 13.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 10) covers approximately 25 percent of the parcel. The remaining 75 percent is open space. The parcel area is presently in use as a PWC power plant. No buildings or structures are known to have previously existed on this parcel. Underground fuel, steam, and sewer lines are present on this parcel and are shown on Figure 6-69-1.

Parcel 69 is an Installation Restoration (IR) Program site (IR Site 12 - Power Plant). Previous investigations have been conducted at Parcel 69 and specific data regarding potential chemical occurrence are available. Releases associated with IR Site 12 (Power Plant), fuel storage, and aircraft engine testing may have historically impacted the open space of this parcel. Soil and groundwater sampling results have been compiled in a 1993 report prepared by PRC Environmental Management, Inc., under contract N62474-88-D-5086, titled *Naval Air Station, Alameda: Data Summary Report RI/FS Phases 2B and 3.* Ongoing (follow-up) sampling is being performed by the IR contractor.

Previous investigations have assessed conditions in the open space at Parcel 69. Follow-up detailed evaluations are being conducted by the IR contractor. As part of a former screening-level sampling effort, 40 soil samples have been taken at different depths from six soil borings and four monitoring wells throughout IR Site 12. One surface and three subsurface soil samples were taken from each boring and monitoring well. This investigation was conducted by PRC in 1992. Soil and groundwater samples were analyzed for metals, PCBs, VOCs, SVOCs, pesticides, and TPH. These soil borings (B-12-05, B-12-06, B-12-07, B-12-08, B-12-09, and B-12-10) and monitoring wells (M-12-01, M-12-02, M-12-03, and M-12-04) are located on and adjacent to Parcel 69 as shown in Figure 6-69-1.

With the exception of the following, all metals were found at concentrations below USEPA's January 1994 industrial and unrestricted use Preliminary Remediation Goals (PRGs) for soil. Arsenic, beryllium, and manganese exceeded PRGs. Most organic compounds were present below PRGs. Only certain SVOCs were detected above PRGs. Benzo(a)pyrene and dibenzo(a,h)anthracene were the primary

semivolatiles detected above unrestricted use and industrial PRGs or had detection limits above the PRGs. Benzo(a)pyrene and dibenzo(a,h)anthracene were detected above PRGs in all borings, in both surface and subsurface soil samples. Other semivolatiles detected above restricted use and/or industrial PRGs (or with detection limits above PRGs) include benzo(a)anthracene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene.

Groundwater sampling results from the three monitoring wells on Parcel 69 indicate that all detected volatile organic compounds were below USEPA's December 1993 MCLs. Certain metals, including aluminum, antimony, and manganese, were detected above USEPA's December 1993 MCLs.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Nine transformers are located at Building 10; seven have PCB classifications. Eight oil-filled switch gears are located on the east end of the Building 10.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 10

Building 10 was constructed in the late 1930s and currently serves as the PWC power plant (Figure 6-69-1). This two-story building covers approximately 21,000 square feet of the parcel and is in fair condition. Building 10 is a warehouse building constructed of steel girder supports, with a concrete floor, and a concrete-construction roof.

An abandoned fuel line runs along the southern border of the parcel. Utilities located within and immediately surrounding Building 10 and the open space include sanitary sewer, storm sewer, steam, water, electrical, and industrial sewer lines.

Information collected during the EBS indicates that activities conducted within this building included steam generation and air compression. There is little documentation regarding the past uses of Building 10. During visual inspection, an oil/water separator was observed in the building.

Petroleum products, lab chemicals, plant treatment chemicals, microbiocide, morpholine, and corrosives are documented to have been stored in Building 10. Approximately 1,200 gallons of these

chemicals are stored in the building. Hazardous waste in the form of filters contaminated with oil and waste petroleum products are stored in drums at GAP Site 2 located within the building. Only minor staining was observed around the drums on the concrete floor.

Nine aboveground storage tanks are located on the south side of Building 10; an additional tank is located on the northeast side of the building. All of the tanks are used for fuel storage and have a combined capacity of more than 150,000 gallons. Six underground storage tanks, currently abandoned and filled with sand, were formerly used to store fuel. These underground tanks were in use until the early 1970s.

Spills of diesel and petroleum products were documented to have impacted the concrete foundation of the building. During the site inspection, staining was noted in various locations throughout the first floor of the building. Stains were observed around the base of a diesel generator at the east end of the building. Leakage was observed from two of the four primary compressors at the west end of the building. Cleanup activities involved the use of quick dry and absorbent rags in this area. A four-foot by eight-foot stain was observed in the outside storage room on the north side under the loading dock. Although this staining has impacted the concrete floor, no sampling is recommended in these areas because no migration route to the underlying soils was noted (such as cracking in the concrete) during the site inspection.

Building 10 is equipped with a heating-ventilation-air conditioning (HVAC) system, according to available documents. Air quality permits were issued for boilers, aboveground storage tanks, and an emergency generator.

Open Space

The open space covers approximately 75 percent of the parcel. The open space is primarily surfaced in concrete and asphalt, and also includes a grassy area. Structures located within the open space include 10 aboveground storage tanks. No staining was noted around these tanks.

EBS information indicates that activities conducted within this open space include material storage and vehicle parking. Available documents do not indicate any other uses of this open space. One aboveground storage tank is located in the open space by the southwest corner of Building 10. It is used for fuel storage. The only staining noted in the open space during visual inspections were oil-like stains

apparently related to vehicle parking, which do not warrant sampling at this time.

Underground Storage Tanks

Five inactive underground storage tanks are located near the northeast corner of Building 10 (Tanks 10-1, 10-2, 10-3, 10-4, and 10-5). These tanks are currently filled with sand. The installation dates and the types of materials stored in these tanks are unknown. These tanks have capacities ranging from 16,400 to 24,000 gallons. The presence of these tanks was identified from the EBS. The available information did not identify why the tanks were abandoned. However, based on general comments made by NAS Alameda personnel, tanks were most commonly abandoned because it they were leaking.

One 4,000-gallon capacity underground storage tank (Tank 10-6) formerly existed near the southeast corner of Building 10. The installation date and the types of materials stored in this tank are unknown. Tank 10-6 was removed in 1993.

Parcel Boundary Conditions

Parcel 69 is bounded by Parcels 56, 70, 185, and 186. The major activities on the adjacent parcels are aircraft maintenance and material storage. IR Site 4 is located approximately 500 feet southwest of Parcel 69, and IR Site 5 is located approximately 200 feet east of Parcel 69.

If the continuing investigations at the IR sites reveal a cause for concern at Parcel 69, then additional sampling on Parcel 69 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes one active RCRA site (SWMU/GAP Site 2). This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, this site does not require sampling because the site location could not be determined based on available records and EBS information (i.e., the site was not singled out because of staining). A brief description of SWMU/GAP Site 2 is provided below.

GAP Site 2 is located in Building 10. The chemicals of concern include waste oil. GAP Site 2 is approximately 10 feet by 10 feet and contains 55-gallon drums. There are no documented releases in this area. This RCRA site is currently active.

Parcel Reclassification and Data Gaps Summary

The data collected for this parcel indicate that there are no remaining data gaps that are likely to impact the BRAC Classification for this parcel.[1] The available information suggests that this parcel may tentatively be reclassified from BRAC Category 7 to BRAC Category 6.

Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-69-2 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, industrial hygiene concerns, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewers is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 10. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

As noted earlier, Parcel 69 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use

1 This reclassification assumes that the RASO review does not identify any releases that have impacted this parcel.

TABLE 6-69-2

Summary of Data Gaps
NAS Alameda Parcel 69

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 12 (Building 10) is located on Parcel 69. Additional subsurface investigation relative to IR Site 12 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Evidence of potential groundwater contamination migration from neighboring Parcel 186 (i.e., known release) identified.
Potential Zone-Wide Release Areas	• Railroad Tracks.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

TABLE 6-69-2

Summary of Data Gaps
NAS Alameda Parcel 69

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• Five inactive USTs are present at this parcel (Tanks 10-1, 10-2, 10-3, 10-4, and 10-5). These tanks have capacities ranging from 16,400 to 24,000 gallons and are currently filled with sand. • One 4,000-gallon UST (Tank 10-6) formerly existed at this parcel. It is not known what was stored in this tank. It was removed in 1993.
Underground Utilities	• Sanitary sewer, storm sewer, water, electrical, and industrial sewer lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Abandoned fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 69.

Once the data gaps in Table 6-69-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 69 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

One zone-wide target area was identified for Parcel 69. No parcel-specific target areas were identified for this parcel. The zone-wide target area is described in detail in the Zone Analysis Plan for Zone 13. This zone-wide target area includes:

- Zone 13 Target Area 1 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Central Light Industrial Zone. Railroad tracks are located in the northern portion of the parcel. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas. One surface soil sample for this zone target area is located on this parcel. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means. The sample to be collected in this target area is listed in Table 6-69-1. The approximate sampling location is shown on Figure 6-69-1.

SECTION 6-75

PARCEL 75 EVALUATION PLAN

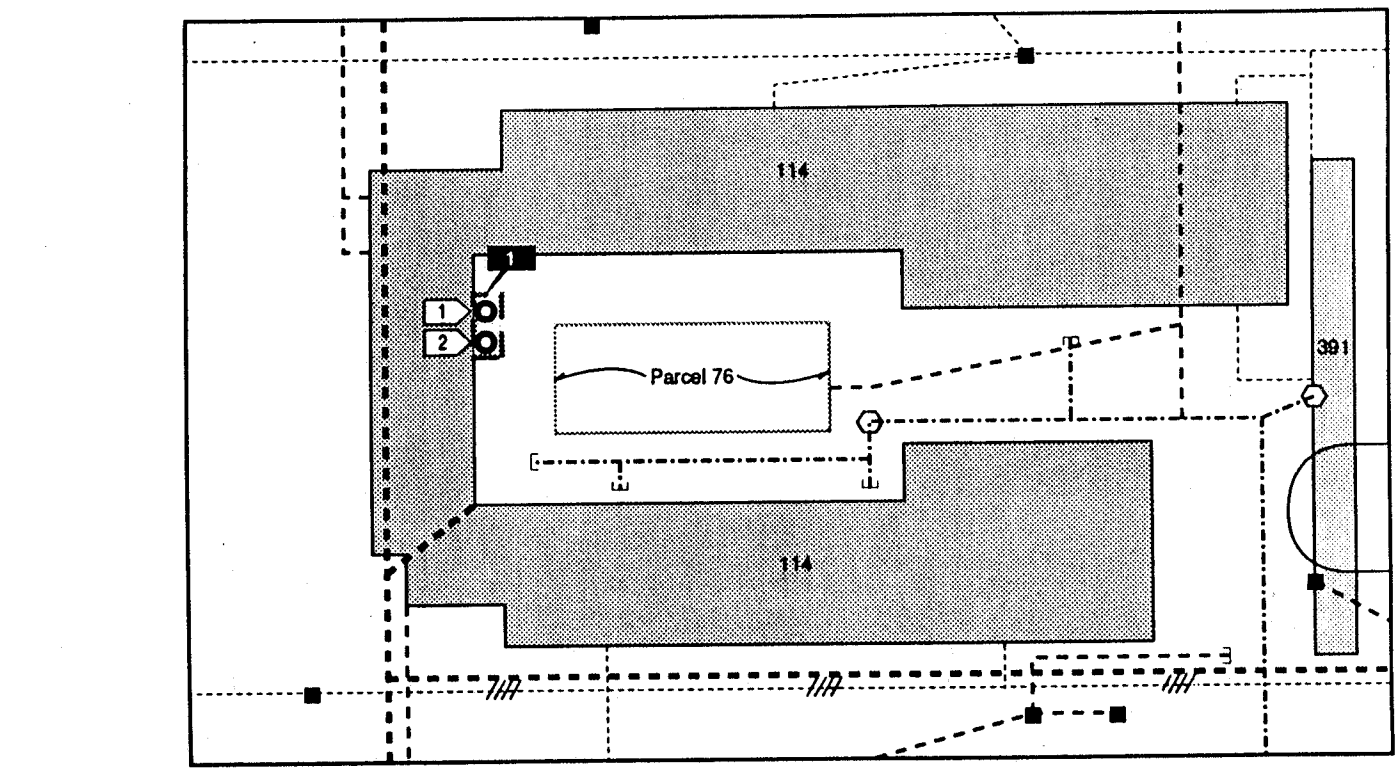
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 75 at NAS Alameda (Figure 6-75-1). The parcel is located in the central portion of the base, is approximately four acres in size and is rectangular. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA site (Site SWMU/GAP 3). One parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. Surface soil sampling will be used to accomplish the screening-level investigation. Table 6-75-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 75, historical activities are discussed below.

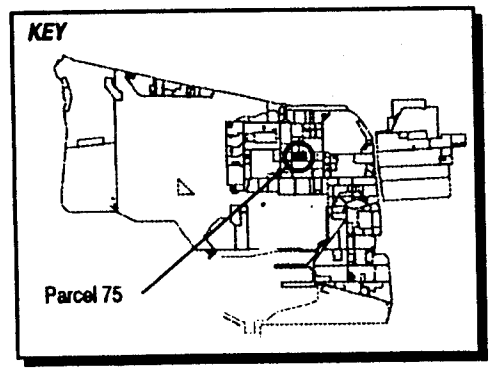
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 75, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 66, 67, 68, 69, 76, 77, 78, 79, 82, 104, 105, 106, 107, 108, 109, 186, 188, 189, 203, and 213. This parcel zone has been designated the Central Light Industrial Zone (Zone 13). The Central Light Industrial Zone encompasses the parcels that have laboratory, electronics, plating, and vehicle maintenance activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore,





LEGEND

- Target Area 1
- Steam Line
- Storm Sewer Line
- Sewer Line
- Sewer Line Abandoned In Place
- Industrial Waste Line
- Capped
- Surface Soil Sample Location
- Catch Basin
- Catch Basin

1"= 90'

Magnetic
True North

Figure 6-75-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/06.30.94

TABLE 6-75-1

Summary of Recommended Samples
NAS Alameda Parcel 75

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
75-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Banned Pesticides, Petroleum Compounds	Pesticides, TPH	CLP RAS, Modified EPA 8015
75-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Banned Pesticides, Petroleum Compounds	Pesticides, TPH	CLP RAS, Modified EPA 8015

future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 13.

Filling began in the area covered by this parcel in approximately 1935. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Buildings 114 and 391) cover approximately 60 percent of the parcel. The remaining 40 percent is open space. The parcel area is presently in use as a mixed-use public works shop area, including a machine shop, tool room, paint room, and carpentry shop. No buildings are documented to have formerly existed at this parcel. Underground steam and sewer lines are present on this parcel and are shown on Figure 6-75-1.

Parcel 75 is an Installation Restoration (IR) Program site (IR Site 8 - Building 114). Previous investigations have been conducted at Parcel 75, and specific data regarding potential chemical occurrence are available.

The objective of previous investigations at IR Site 8 was to assess if surface spills or leaks from the industrial sewer line associated with Building 114 had introduced contamination into surface or subsurface soils. Twelve soil borings were drilled at the site, and groundwater monitoring wells were constructed in five of these borings. Soil borings were drilled in the central courtyard area and around the perimeter of Building 114 near the junction points in storm, sanitary, and industrial sewer lines that received effluent from activities at the site.

No VOCs were detected in soil samples at concentrations above than the residential or industrial PRGs. SVOCs were detected in most soil samples at IR Site 8. All of the detected SVOCs were polycyclic aromatic hydrocarbons (PAHs), except for bis-(2-ethylhexyl) phthalate and di-n-butyl phthalate. PAH concentrations ranged from 91 mg/kg to 160,000 mg/kg, with the highest concentrations occurring in the samples from 14 feet in B08-04, B08-06, B08-08, and B08-11. The industrial and residential PRGs for soil were exceeded for several of these PAHs. The phthalates were detected at concentrations below the residential and industrial PRGs for soil. PCBs (Aroclor 1260) exceeded the residential PRGs in at least one soil sample. The industrial PRG was not exceeded for PCBs. Dieldrin, an herbicide, was detected in one soil sample just below the residential PRG for that compound. The industrial and residential PRGs for beryllium and lead in soil were exceeded in at least one soil sample each.

The state and/or federal MCLs were exceeded in at least one groundwater sample for benzene, total 1,2-dichloroethene, acenaphthene, anthracene, fluoranthene, fluorene, naphthalene, phenanthrene, and pyrene.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 114

Building 114 was constructed in 1944 and has served as a public works maintenance and storage shop, office equipment storage and appliance repair, and administrative office (Figure 6-75-1). This one-story building covers approximately 77,000 square feet and is in fair condition. Building 114 is constructed of wood with a concrete floor.

Utilities located within and immediately surrounding Building 114 include underground sanitary sewer, storm sewer, steam, water, industrial sewer lines, and electrical lines.

Information collected during the EBS indicates that activities conducted within this building include machine shop, carpentry shop, sandblasting, and painting operations. Paints, adhesives, fuels, oils, solvents, and cleaners are documented to have been stored and used at Building 114. A sandblasting area is located on the north side of the south wing of Building 114, and a pesticide storage shed is located on the east side of the west wing. Potential impacts associated with the pesticide storage area are addressed by Target Area 1.

Several stained areas of asphalt measuring approximately three feet by one foot were observed on the exterior east side of the west wing of Building 114 during the site inspection. This staining is also addressed by part of Target Area 1. The staining appeared to be petroleum products. In addition, a stained area of concrete was observed on the north side the building near a transformer. Transformers and underlying pads are dealt with under a separate investigation.

Building 114 is equipped with a heating-ventilation-air conditioning (HVAC) system. No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 114.

Building 391

Building 391 was constructed at an unknown date and has served as a general storage/paint building (Figure 6-75-1). This two-story building covers approximately 2,000 square feet and is in fair condition. Building 391 is constructed of metal with a concrete floor.

Utilities located within and immediately surrounding Building 391 include underground sanitary sewer, storm sewer, industrial sewer, steam, water, and electrical lines.

Information collected during the EBS indicates that activities conducted within this building include painting operations and storage of hazardous materials. Paints, degreasers, and petroleum products are documented to have been stored and used at Building 391. Used chemicals are accumulated in hazardous materials rooms and disposed of by the NAS hazardous materials department. Several paint lockers and battery storage sheds are located on the north end of Building 391.

Scattered staining was observed in the area of the paint and battery storage sheds on the north end of Building 391 during the site inspection. This staining is relatively minor, and sampling is not called for in this PEP in response to it. Building 391 is equipped with a heating-ventilation-air conditioning (HVAC) system. No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 391.

Open Space

Open space covers approximately 40 percent of the parcel. The open space has been used for parking and storage of vehicles and equipment. The ground surface of the open space is 80 percent paved and 20 percent unpaved. The pavement is generally in poor condition. The unpaved areas of the open space are covered with grass.

Structures located within the open space include a groundwater monitoring well located near the hazardous waste accumulation area near Building 391. In addition, several storm drains are located in the courtyard/work yard area of Building 114 and along the north side of Building 114. A washdown area is located near the northwest corner of Building 114.

Building 192 was formerly located in this open space. The construction and demolition dates of this building are unknown. The operations conducted in Building 192 are also unknown.

Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, water, electrical, industrial sewer, and electrical lines.

EBS information indicates that the open space is used for vehicle parking and vehicle and equipment storage. No chemicals are documented to have been stored in the open space. Scattered staining was noted throughout the courtyard/work yard area of Building 114 during the site inspection, but is minor staining likely related to vehicle parking, and will not be sampled. No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 75 is bounded by Parcels 65, 66, 67, 68, 74, 77, 80, 81, and 82. Activities of potential environmental concern at these parcels include vehicle maintenance and fuel storage on Parcel 68, and the operations relating to the metal shop on Parcel 66.

No sampling is called for in this PEP in response to the IR site located on the parcel. If the continuing investigations at the IR site reveals additional cause for concern at Parcel 75, then additional sampling may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes one RCRA site (site number SWMU/GAP-3). This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, no sampling is required for this RCRA site because the location of the site could not be determined based on available records and EBS information (i.e., the site was not singled out because of staining, etc.).

Site GAP 3 is located in Building 114. Chemicals of concern associated with GAP-3 include paints, solvents, acids, Freon, petroleum products, and PCBs. Site SWMU/GAP 3 is composed of 55-gallon drums on pallets. It is unknown whether any chemicals were released from this site. The status of this site is currently unknown. Although it was identified during the document search, this site was not found during the site inspection.

Parcel Reclassification and Data Gaps Summary

The data collected for this parcel indicate that there are no remaining data gaps that are likely to impact the BRAC Classification for this parcel.[1] The available information suggests that this parcel may tentatively be reclassified from BRAC Category 7 to BRAC Category 6.

Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-75-2 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewers is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 114. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

As noted earlier, Parcel 75 has open space areas that are landscaped/unpaved. Based on current EPA/Cal-EPA policy,

[1] This reclassification assumes that the RASO review does not identify any releases that have impacted this parcel.

TABLE 6-75-2

Summary of Data Gaps
NAS Alameda Parcel 75

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 8 (Building 114) is located on Parcel 75. Additional subsurface investigation relative to IR Site 8 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1 (Building 114 Pesticide Storage Shed).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-75-2

Summary of Data Gaps
NAS Alameda Parcel 75

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, industrial sewer, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for the landscaped areas of Parcel 75.

Potential concerns related to pesticides have been identified as a parcel-specific data gap for Parcel 75, because of the former used of the building for pesticide storage and disposal. Pesticide sampling for this parcel has been limited to the pesticide storage shed (Target Area 1).

Once the data gaps in Table 6-75-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 75 may be leased or transferred, as appropriate.

Target Area and Compounds of Concern

This parcel contains one parcel-specific target area. This subsection of the PEP discusses the specific parcel target area. The nature and locations of the parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following parcel-specific target area was identified based on the potential release areas described above and listed in Table 6-75-2.

- Target Area 1 (Building 114 Pesticide Storage Shed): The soils adjacent to the pesticide storage shed may have been impacted by releases of the pesticides stored in the shed. The pavement is in poor condition in this area, and staining was noted in this area. This target area covers approximately 500 square feet and has been classified as having a potential likelihood of impacts. The two surface soil samples to be collected in this target area are listed in Table 6-75-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level investigation technique that will be used to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

Table 6-75-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 75. Two surface soil samples will be collected from the locations shown on Figure 6-75-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-76

PARCEL 76 EVALUATION PLAN

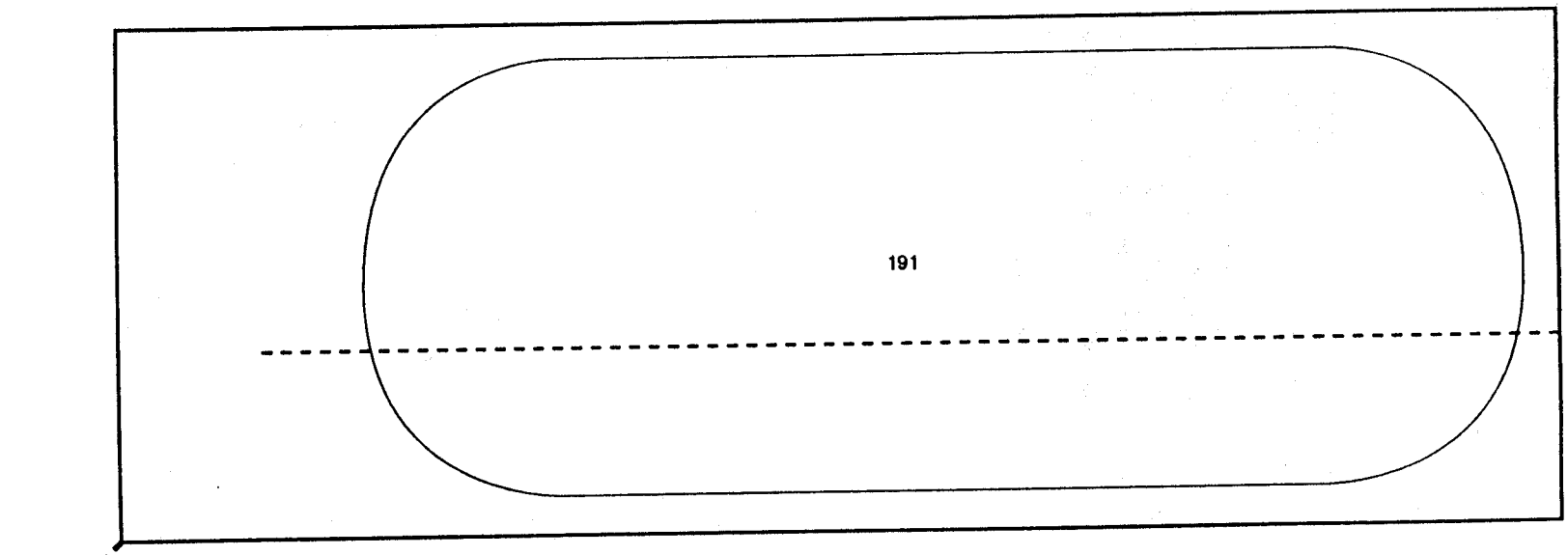
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 76 at NAS Alameda (Figure 6-76-1). The parcel is located in the north central portion of the base, is 0.1 acres in size, and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains no RCRA sites. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 76, historical activities are discussed below.

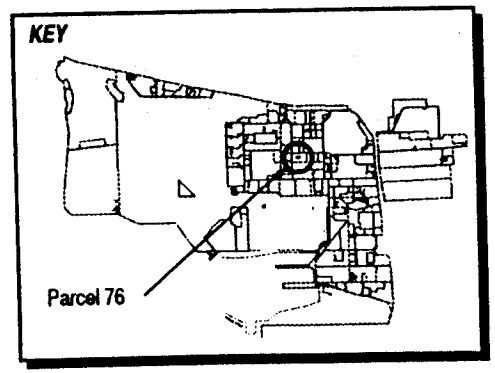
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 76, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 66, 67, 68, 69, 75, 77, 78, 79, 82, 104, 105, 106, 107, 108, 109, 186, 188, 189, 203, and 213. This parcel zone has been designated the Central Light Industrial Zone (Zone 13). The Central Light Industrial Zone encompasses the parcels that have laboratory, electronics, plating, and vehicle maintenance activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected





LEGEND

- Steam Line
- Storm Sewer Line

Note: *No screening-level sampling recommended for this parcel.*

1"=15'

Magnetic
True North

Figure 6-76-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/06.30.94

for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 13.

Filling began in the area covered by this parcel in the early 1900s. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 191) covers 100 percent of the parcel. There is no open space on this parcel. The parcel is presently in use as a storage area for dry construction materials. Underground steam and sewer lines are present on this parcel and are shown on Figure 6-76-1.

Parcel 76 is surrounded by Installation Restoration (IR) Program Site 8 (Parcel 75, Building 114). No previous investigations have been conducted at Parcel 76, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within the building is described in detail below.

Building 191

Building 191 was constructed in 1944 and serves as a storage building in support of the public works shops located in adjacent Building 114 (Figure 6-76-1). Building 191 covers approximately 5,000 square feet and is in good condition. Building 191 is an open-sided one-story building constructed of corrugated metal walls and an asphalt floor.

Utilities immediately surrounding Building 191 include underground storm sewer, water, steam, and industrial sewer lines.

No chemicals are documented to have been stored or used at Building 191. Building 191 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No incidents such as fires, spills, mishaps, or flooding are documented to have occurred within Building 191. No staining was noted in the building.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 76 is located entirely within Parcel 75 and is surrounded by Building 114. Building 114 is IR Site 8. Concerns associated with Parcel 75 include public works shops operations (i.e., carpentry and metal shop activities).

No sampling is called for in this PEP in response to the surrounding IR site. If the continuing investigations at the IR site reveals a cause for concern at Parcel 76, then additional sampling on Parcel 76 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

The data collected for this parcel indicate that there are no remaining data gaps that are likely to impact the BRAC Classification for this parcel.[1] The available information suggests that this parcel may tentatively be reclassified from BRAC Category 7 to BRAC Category 6.

Although this parcel was reclassified because it is surrounded by an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-76-1 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, radiological concerns, and Installation

1 This reclassification assumes that the RASO review does not identify any releases that have impacted this parcel.

TABLE 6-76-1

Summary of Data Gaps
NAS Alameda Parcel 76

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 76.
Installation Restoration (IR) Sites	• IR Site 8 (Building 114) surrounds Parcel 76. Additional subsurface investigation relative to IR Site 8 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-76-1

Summary of Data Gaps
NAS Alameda Parcel 76

Data Gap	Status/Description
Underground Utilities	• Storm sewer, water, and industrial sewer lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Restoration sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewers is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 76 because no industrial buildings are present.

Once the data gaps in Table 6-76-1 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 76 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to lead-based paint, PCBs, underground lines, radiological concerns, and the impacts of the adjacent IR site must be resolved before this parcel can be leased or transferred.

SECTION 6-77

PARCEL 77 EVALUATION PLAN

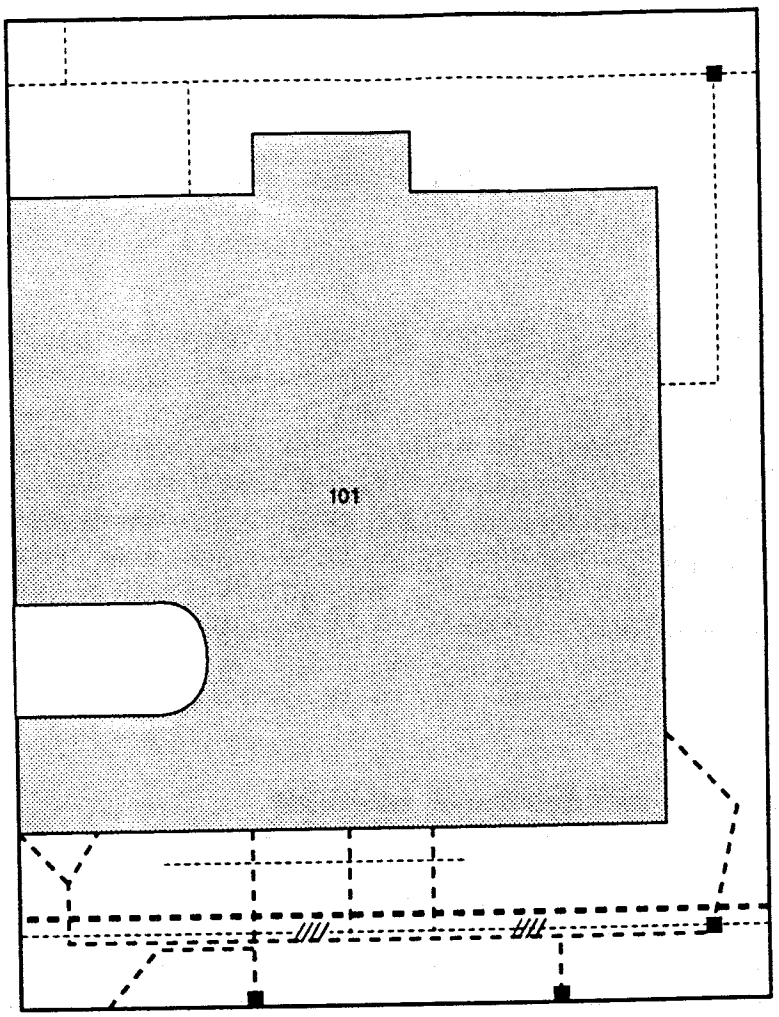
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 77 at NAS Alameda (Figure 6-77-1). The parcel is located in the central portion of the base, is 2.7 acres in size, and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 77, historical activities are discussed below.

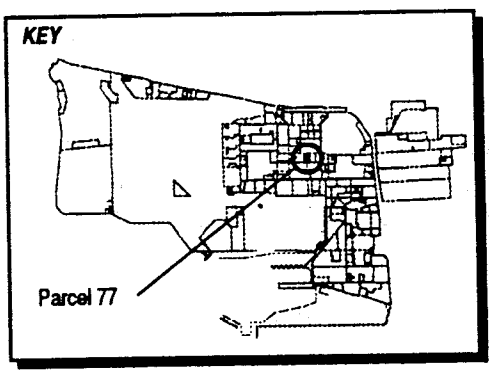
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 77, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 66, 67, 68, 69, 75, 76, 78, 79, 82, 104, 105, 106, 107, 108, 109, 186, 188, 189, 203, and 213. This parcel zone has been designated the Central Light Industrial Zone (Zone 13). The Central Light Industrial Zone encompasses the parcels that have laboratory, electronics, plating, and vehicle maintenance activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 13.





LEGEND

- Steam Line
- Storm Sewer Line
- Sewer Line
- Sewer Line Abandoned In Place
- Catch Basin

Note: *No screening-level sampling recommended for this parcel.*

1"=60'

Figure 6-77-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/08.30.94

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was wetlands. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 101) covers approximately 60 percent of the parcel. The remaining 40 percent is open space. The parcel area is presently in use as a warehouse storage area and vehicle parking facility. Underground steam and sewer lines are present on this parcel and are shown on Figure 6-77-1.

Parcel 77 is located adjacent to an Installation Restoration (IR) Program site (IR Site 8 - Building 114). IR Site 8 is located immediately west of Parcel 77. No previous investigations have been conducted at Parcel 77, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 101

Building 101 was constructed in 1942 and houses a heating plant, public works storage area, administrative offices, and training facilities (Figure 6-77-1). This two-story building covers approximately 70,000 square feet and is in fair condition. Building 101 is a constructed of wood with a concrete floor. The building is separated into three distinct areas based on the occupant and associated use. The eastern third of the building is utilized for administrative and educational training purposes by NADEP and NAS. The central portion of the building is used as a locked storage area by PWC. This central area contains a former theater that is no longer functional. The western third of the building is occupied by MWR and is used as a storage area for discarded equipment.

Utilities located within and immediately surrounding Building 101 include sanitary sewer, storm sewer, steam, water and electrical lines.

Information collected during the EBS indicates that activities conducted within this building include apprentice training. The building is currently occupied by NADEP, NAS, MWR, PWC, and Disaster

Prevention. The tenants are using the building for classrooms, offices, and warehouse space.

Metals and organics are documented to have been stored in Building 101. The compounds, used for solvent epoxy and soldering purposes, are stored in a maximum quantity of 10 gallons. More significant chemical storage was noted in the MWR and PWC warehouses. During visual inspections, these areas housed pine oil, floor finish, handcleaner, general purpose cleaner, lubricating oil, disinfectant, stripper, acrathane, and masonry sealer. Over 100 pounds of decontamination agent, in powder form, was noted in the disaster preparation warehouse. This chemical is kept on wooden pallets on the concrete floor. Cleaning supplies were noted in the janitor's closet on the second floor of Building 101. These chemicals are stored on wood pallets on a concrete floor.

Dark staining was noted throughout the warehouses during site inspections. A dark and white stain, covering 20 square feet, was observed in the northwest corner of the disaster preparation warehouse. Storage Room A also contained evidence of a chemical release; there was a six foot by five foot stain in this area. Although this stain has impacted the concrete floor, no sampling is recommended in this area because no migration route to the underlying soils was noted (such as cracking in the concrete) during the site inspection.

A 10-foot by 20-foot room located at the southeast corner of Building 101 is currently used for aluminum can storage. The area was reportedly formerly used for ammunition storage. The concrete floor exhibits evidence of multiple stains of varying ages and appears etched in areas. In addition, seams and cracks are present. No sampling is recommended in this area because no chemical storage is documented to have occurred in this room.

Building 101 is equipped with a heating-ventilation-air conditioning (HVAC) system. Tank insulation debris on the floor of the HVAC room may contain ACM. Records document the removal of asbestos from the second floor of Building 101. No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 101.

Open Space

The parcel open space covers approximately 40 percent of the parcel. The open space is mostly paved. The area immediately surrounding the building perimeter is covered with grass. A CONEX box is also located to the east of Building 101.

Utilities located within and immediately surrounding the open space include sanitary sewer, storm sewer, steam, water and electrical lines. There is a transformer located in the northeast corner of the parcel.

EBS information indicates that activities conducted within this open space include material storage, equipment parking, training, and vehicle parking. The only staining noted in the area corresponded to vehicle parking locations, and will not be sampled. One gallon of hydraulic fluid was observed in the CONEX box located on the parcel.

No incidents such as fires, mishaps, or flooding are documented to have occurred within the open space. Peeling paint (potentially lead-based) was noted on the southern and eastern exterior walls of Building 101.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 101 is bounded by Parcels 73, 74, 75, 78, and 80. Parcel 75 is IR Site 8 (Pest Control Area and Separator Pit). Activities of concern on this adjacent parcel include storage of pest control chemicals.

No sampling is called for in this PEP in response to the nearby IR site. If the continuing investigations at the IR site reveals a cause for concern at Parcel 77, then additional sampling on Parcel 77 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 77, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data

gaps shown in Table 6-77-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 77 because no industrial buildings are present.

As noted earlier, Parcel 77 has open space areas that are landscaped/unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 77.

Once the data gaps in Table 6-77-1 are addressed, Parcel 77 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological concerns, and the impacts of the adjacent IR site must be resolved before this parcel can be leased or transferred.

TABLE 6-77-1

Summary of Data Gaps
NAS Alameda Parcel 77

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 77.
Installation Restoration (IR) Sites	• IR Site 8 (Building 114) is located adjacent to Parcel 77. Additional subsurface investigation relative to IR Site 8 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-77-1

Summary of Data Gaps
NAS Alameda Parcel 77

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

SECTION 6-78

PARCEL 78 EVALUATION PLAN

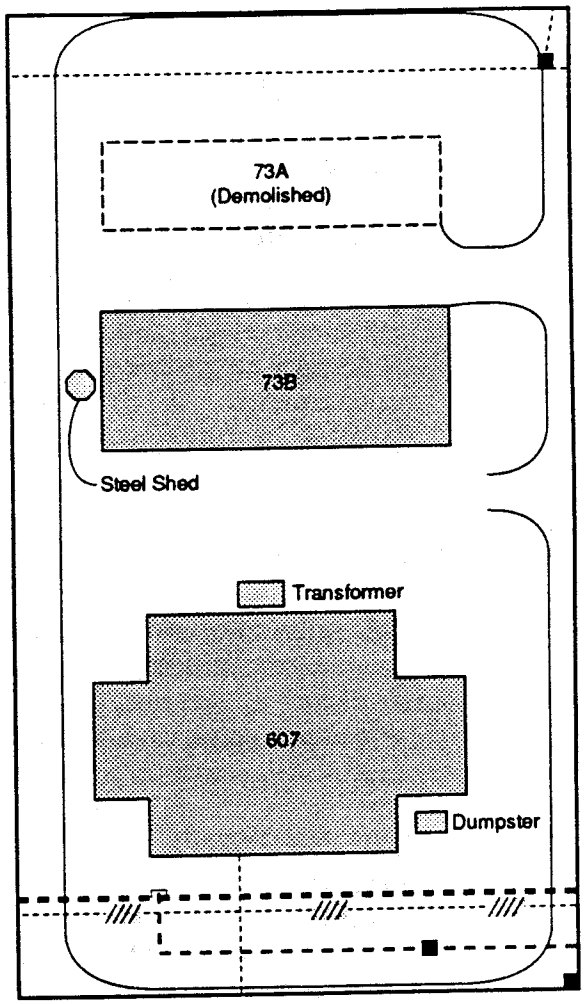
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 78 at NAS Alameda (Figure 6-78-1). The parcel is located in the northeast portion of the base, is 1.4 acres in size, and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed evaluation of Parcel 78, historical activities are discussed below.

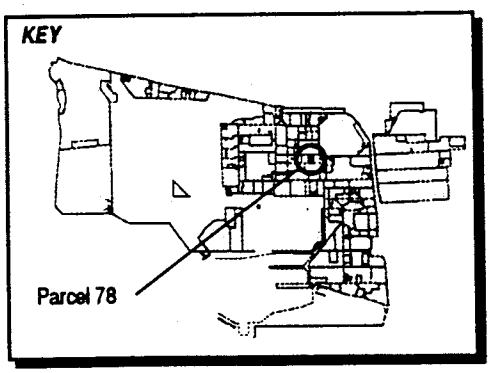
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 78, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks (USTs), and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 66, 67, 68, 69, 75, 76, 77, 79, 82, 104, 105, 106, 107, 108, 109, 186, 188, 189, 203, and 213. This parcel zone has been designated the Central Light Industrial Zone (Zone 13). The Central Light Industrial Zone encompasses the parcels that have laboratory, electronics, plating, and vehicle maintenance activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 13.





LEGEND

- Steam Line
- Storm Sewer Line
- Sewer Line
- Sewer Line Abandoned In Place
- Capped
- Catch Basin

Note: *No screening-level sampling recommended for this parcel.*

1"=60'

Figure 6-78-1
Parcel Specific Sampling Locations
NAS Alameda, CA

ERM-West, Inc. 6'94
2121.90.12/GCF/06.30.94

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Buildings 607 and 73B) and an octagonal-shaped steel structure cover approximately 40 percent of the parcel. The remaining 60 percent is open space. The parcel area is presently in use as a recreation and hobby center and storage area. Three buildings were formerly located on the parcel (Building 131 - Navigational Training; Building 73A - Storage Garage; and an unidentified building). Underground steam and sewer lines are present on this parcel and are shown on Figure 6-78-1.

Parcel 78 is located approximately 400 feet east of an Installation Restoration (IR) Program site (IR Site 8 - Building 114). Pesticides and herbicides were reportedly disposed of on IR Site 8 from 1942 to 1974. No previous investigations have been conducted at Parcel 78, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Building 73B was constructed in 1941 and contains wallboard with "Asbestos Hazard" posted on the material. Several areas were damaged and/or cracked at the time of the site visit. According to documents there has been an informal assessment of the material; however, there is no supporting documentation.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 73A (Demolished)

Building 73A was constructed in 1941 and used for vehicle storage. This building covered approximately 2,500 square feet and was located north of Building 73B. Based on aerial photographs, Building 73A was demolished after 1992. Given the similarities to Building 73B, it is likely that Building 73A was of a similar construction type.

Building 73B

Building 73B was constructed in 1941 and serves as a storage area for miscellaneous construction materials. This building covers 5,000 square foot and is constructed of wood with a concrete foundation. Garage doors are located along the north and south walls. An interior wall divides the two sides of the building. The interior walls of Building 73B are covered with transite wallboard, which is labeled with "Asbestos Hazard" stickers. The northern half of the building was not accessible at the time of the site visit. It is reportedly used by base personnel for storage.

Utilities located within and immediately surrounding Building 73B include sanitary sewer, storm sewer, steam, water, and electrical lines. An octagonal-shaped steel structure is located at the west end of the building. Base plans indicate this may be a transformer location; however, the interior of the structure could not be accessed.

Information collected during the EBS indicates that activities conducted within this building included vehicle storage. The building currently stores such materials as lumber, concrete mix, piping, wire, and paint. Approximately 150 gallons of latex paint was stored in the building on wooden pallets.

Building 131 (Demolished)

Historic information reveals that Building 131 was constructed in 1945 and was used for navigational training. This building was constructed of wood and was located at the current site of Building 607. Aerial photographs show the presence of this building from 1947 to 1975. Based on aerial photographs, the building was demolished between 1975 and 1981. These aerial photographs also show four large unidentified cylindrical structures protruding from the roof of the building. An unidentified building was also located to the south of Building 131. This unidentified building appears in aerial photographs from 1947 to 1958 and is not present in the 1963 photograph. No other information concerning this building is available.

Building 607

Building 607 was constructed in 1980 and serves as a recreation and hobby center (Figure 6-78-1). This one-story building covers 9,700 square feet and is occupied by an outdoor equipment rental operation, a woodworking shop, a craft shop, and a computer graphics

group. Building 607 is a concrete block structure with a steel-paneled exterior and a concrete foundation.

Utilities located within and immediately surrounding Building 607 include underground sanitary sewer, storm sewer, steam, water, and electrical lines.

Small quantities (total amount less that 300 gallons) of cleaning and maintenance chemicals are stored in lockers and janitorial closets throughout the building. Small quantities of wood finish, ceramic glaze, latex paint, paint thinner, and antifreeze were also stored within the building.

The woodworking shop has a mechanical room located above it. The room houses an air compressor and the HVAC system for the building. At the time of the site visit, the concrete floor at the base of the air compressor showed evidence of leakage and/or spillage. An oily, brown liquid was noted around the base of the compressor covering a 4 foot by 4 foot area. Because no migration pathway for such a spill into underlying soils through the concrete floor was noted, no sampling will be done in response to this release.

The outdoor equipment rental area is located at the east end of Building 670. The area is primarily used for storage of recreational equipment; however, some light maintenance activities also occur. Small amounts of lubricants and solvents are used for bicycle repairs and paint thinner is used for ski wax removal. The floor in the area contains several floor drains. A non-skid surface has recently been applied to the concrete. There was evidence of this paint and sand mixture present on the floor drain screens. Paint containers, labeled latex paint, were located in the immediate area.

Open Space

The open space covers approximately 60 percent of the parcel. It is defined by Avenues C and D (on the north and south sides, respectively), West Fifth Street on the east, and a service road to the west. The northern portion of the parcel is predominantly grass covered. Areas immediately surrounding Buildings 607 and 73B consist primarily of asphalt and concrete paving. Landscaped areas are predominately located on the southern portion of the parcel surrounding Building 607.

The open space of Parcel 78 contains storm sewer, sanitary sewer, electrical, steam, and water lines. An octagonal-shaped steel structure is located near the west end of Building 73B. According to EBS

documents, this structure may contain a transformer; however, the structure was not accessible at the time of the site inspection. A second transformer is located along the north side of Building 607. A paved access drive extends north to Building 607 from the south edge of the parcel. Within this paved area is a solid waste dumpster and a storm sewer drain.

Underground Storage Tanks

No evidence of USTs has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 78 is bounded by Parcel 80 to the north, Parcel 73 to the south, Parcel 77 to the west, and Parcel 79 to the east. No parcels contiguous with Parcel 78 are IR sites; therefore, no sampling is called for in this PEP in response to IR sites. If the continuing investigation at nearby IR sites reveals a cause for concern at Parcel 78, then additional sampling on Parcel 78 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 78, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-78-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A

TABLE 6-78-1

Summary of Data Gaps
NAS Alameda Parcel 78

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings are present on Parcel 78.
Installation Restoration (IR) Sites	• Parcel 78 is located approximately 400 feet east of IR Site 8 (Parcel 75 Building 114). Additional subsurface investigation relative to IR Site 8 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-78-1

Summary of Data Gaps
NAS Alameda Parcel 78

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for this parcel because no industrial buildings are present.

As noted earlier, Parcel 78 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 78.

Once the data gaps in Table 6-78-1 are addressed, Parcel 78 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas to the environment are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological concerns, and impacts of the nearby IR sites must be resolved before this parcel can be leased or transferred.

SECTION 6-79

PARCEL 79 EVALUATION PLAN

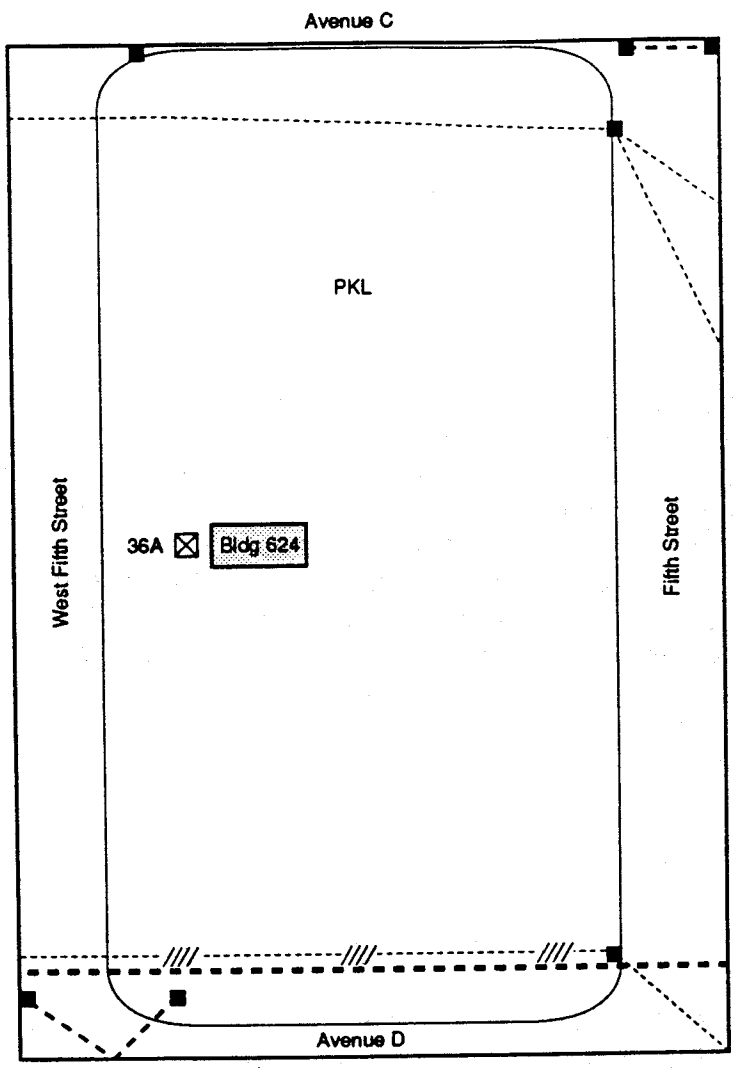
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 79 at NAS Alameda (Figure 6-79-1). The parcel, which is located in the central portion of the base, is approximately two acres in size and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed evaluation of Parcel 79, historical activities are discussed below.

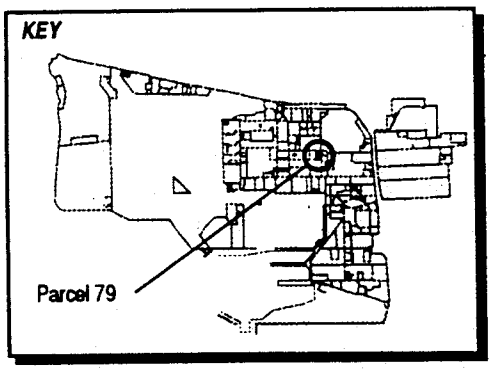
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 79, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 66, 67, 68, 69, 75, 76, 77, 78, 82, 104, 105, 106, 107, 108, 109, 186, 188, 189, 203, and 213. This parcel zone has been designated the Central Light Industrial Zone (Zone 13). The Central Light Industrial Zone encompasses the parcels that have laboratory, electronics, plating, and vehicle maintenance activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected





LEGEND

- Steam Line
- Storm Sewer Line
- Sewer Line
- Sewer Line Abandoned In Place
- Catch Basin

Note: *No screening-level sampling recommended for this parcel.*

1"=60'

Figure 6-79-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/06.30.94

for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 13.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was wetlands. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Buildings 36A and 624) cover approximately five percent of the parcel. The remaining 95 percent is open space. The parcel area is presently in use as a parking lot, and has been a parking area since 1953. Underground steam and sewer lines are present on this parcel and are shown on Figure 6-79-1.

Parcel 79 is located within 500 feet of Installation Restoration (IR) Program Site 8 (Parcel 75 Building 114). No previous investigations have been conducted at Parcel 79, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 36A

According to EBS documents, Building 36A was constructed in 1953 to serve as a communications antenna (Figure 6-79-1). This steel tower has a base that covers approximately 500 square feet.

Utilities located within and immediately surrounding Building 36A include storm sewer, steam, water, and electrical lines. Information collected during the EBS indicates that activities conducted within this building included processes associated with radio tower operations. There is no indication of chemical use or storage ever occurring within this building.

Building 624

Building 624 is a prefabricated communications center set on a concrete slab (Figure 6-79-1). Site reviewers indicated that this building is in fair condition and covers approximately 100 square feet. Building 624 is located immediately west of Building 36A. Utilities located within and

immediately surrounding Building 624 include storm sewer, steam, water, and electrical lines. Available documents do not indicate any chemical use or storage in this building.

Open Space

The parcel open space covers approximately 95 percent of the parcel. The open space is completely paved and is used for vehicle parking. Structures located within the open space include a steam access vault in the southeast corner of the parcel. According to EBS documents, an abandoned UST may be located near the northern edge of the parcel.

Utilities located within and immediately surrounding this area include storm sewer, steam, water, and electrical lines. Transformers were noted throughout the parcel. Staining observed in this open space were typical of that associated with vehicle parking, and will not be sampled. No incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

One underground storage tank may be present at this parcel. The *NAS Alameda, Impediment Map with Tanks and IR Sites,* indicates that Tank 392-1 is located on Parcel 79. However, Building 392 is located on Parcel 189, and this tank may actually be located on that parcel.

Parcel Boundary Conditions

Parcel 79 is bounded by Parcels 73, 78, 80, 106, and 168. No parcels contiguous with Parcel 79 are IR sites, therefore, no sampling is called for in this PEP in response to the nearby IR site (IR Site 8). If the continuing investigations at the IR site reveal a cause for concern at Parcel 79, then additional sampling on Parcel 79 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 79, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-79-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with USTs and sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 79 because no industrial buildings are present.

Once the data gaps in Table 6-79-1 are addressed, Parcel 79 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological concerns, impacts of the nearby IR site, and the potential UST must be resolved before this parcel can be leased or transferred.

TABLE 6-79-1

Summary of Data Gaps
NAS Alameda Parcel 79

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 79.
Installation Restoration (IR) Sites	• Parcel 79 is located approximately 500 feet east of IR Site 8 (Building 114). Additional subsurface investigation relative to IR Site 8 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-79-1

Summary of Data Gaps
NAS Alameda Parcel 79

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• One UST is potentially located within the open space (Tank 391-1). Based on its identification number, this tank may actually be located on Parcel 189.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

SECTION 6-82

PARCEL 82 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 82 at NAS Alameda (Figure 6-82-1). The parcel, which is located in the central portion of the base, is 1.4 acres in size and is square. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains three RCRA sites. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed evaluation of Parcel 82, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 82, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 66, 67, 68, 69, 75, 76, 77, 78, 79, 104, 105, 106, 107, 108, 109, 186, 188, 189, 203, and 213. This parcel zone has been designated the Central Light Industrial Zone (Zone 13). The Central Light Industrial Zone encompasses the parcels that have laboratory, electronics, plating, and vehicle maintenance activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 13.

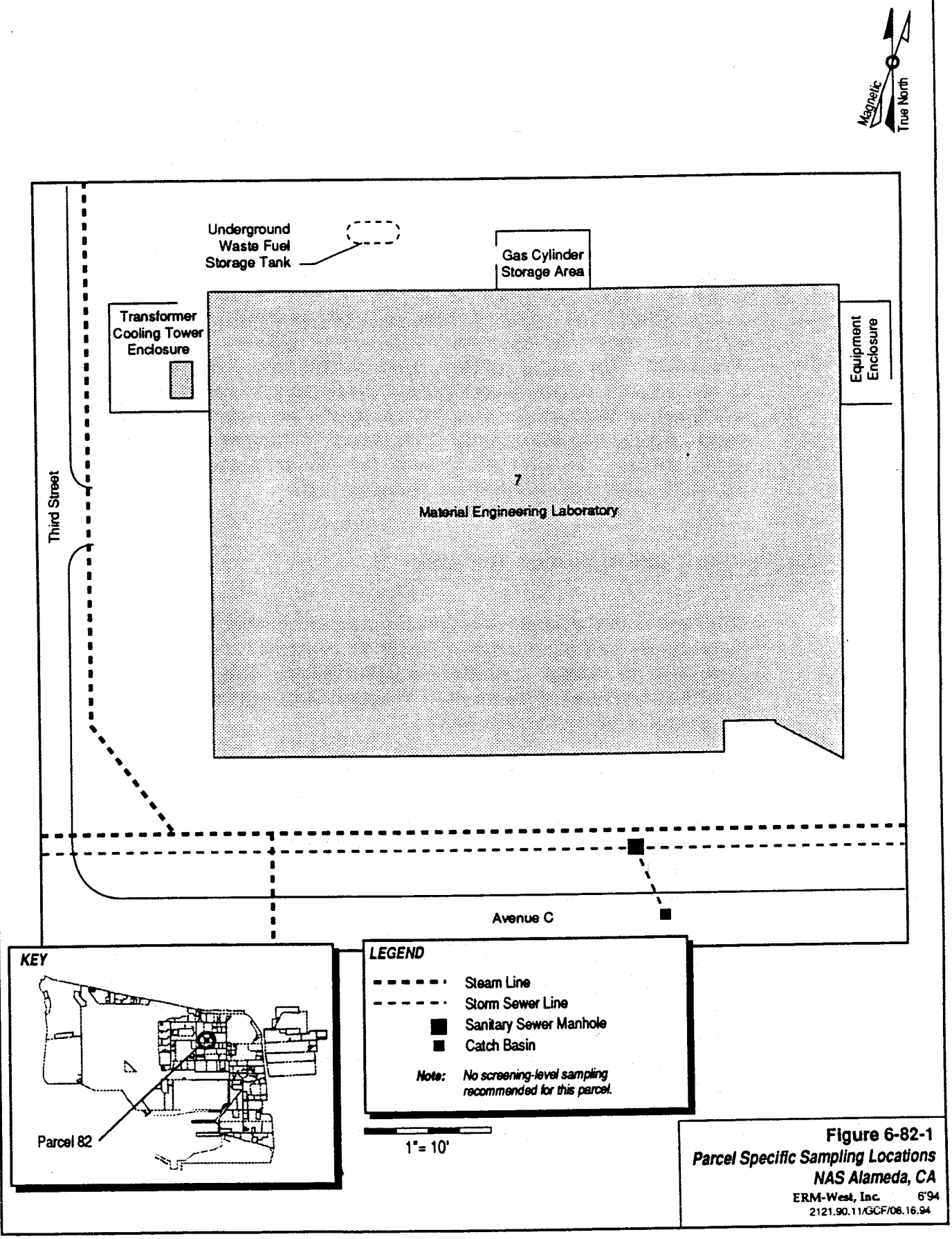


Figure 6-82-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/GCF/06.16.94

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 7) covers approximately 25 percent of Parcel 82. The remaining 75 percent is open space. The building is presently in use as a materials testing laboratory. The parcel was formerly a paved parking lot for the adjacent administrative and medical facilities. Underground steam and sewer lines are present on this parcel and are shown on Figure 6-82-1.

Parcel 82 is located approximately 50 feet north of an Installation Restoration (IR) Program site (IR Site 8 - Building 114). No previous investigations have been conducted at Parcel 82, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials (ACM) on parcels will be addressed in other sampling programs and are not considered in this PEP. Lead-based paint, PCBs, and ACM are not anticipated to be issues in Building 7 based on its age (approximately 10 years old).

Activities of potential environmental or industrial hygiene concern within the parcel open space and buildings are described below.

Building 7

This building is referred to as the Material Engineering Laboratory. It was built in approximately 1985 in a former paved parking lot area. The building is constructed of concrete and features linoleum tile floors. It contains two stories of offices and laboratories including the following: a fuels testing laboratory, an inorganics laboratory, an oil analysis laboratory, an X-ray laboratory, a physical testing laboratory, and a non-destructive testing (NDT) laboratory. Air quality permits exist for laboratory hoods, a dryer, spray booths, and a spectrometer vent. Utilities located within and immediately surrounding Building 7 include underground sanitary sewer, storm sewer, steam, water, and electrical lines.

Chemicals stored in Building 7 include paint, solvents, corrosives, fuel samples, waste cyanides, waste acids, compressed gases, and miscellaneous laboratory reagents. Site inspection data indicate that chemicals were present in relatively small quantities and were

generally stored properly. No staining associated with chemical storage or use was reported.

A spill of two gallons of sodium hydroxide occurred in June 1992. The material spilled from containers in the back of a truck at the intersection of Third Street and Avenue C. The USEPA was notified and the spill was cleaned up by Navy personnel.

Nickel 63 is contained in microcurie quantities within one analytical instrument used in the building.

Open Space

The open space surrounding Building 7 consists of landscaped areas, sidewalks, driveways, and parking areas. EBS information does not indicate chemical storage or use at present or in the past in parcel open space. The previous use of the area as a paved parking lot and the age of the building and associated landscaped areas preclude the use of pesticides of concern on the parcel. Utilities located within the open space include underground sanitary sewer, storm sewer, steam, water, and electrical lines. A transformer is also located in the open space.

An underground waste fuel tank is located on the north side of Building 7, as shown in Figure 6-82-1. The tank receives waste fuels from the fuels testing laboratory on the second floor of Building 7. A NAS Alameda drawing, dated July 3, 1990 and entitled "Disposal and Impediment Map," indicates that an underground storage tank (T-7) is located on the west side of Building 7. This tank is probably the same one described previously on the north side of Building 7.

Underground Storage Tanks

One active underground storage tank is present at this parcel (Tank 7-1). Although the installation date of this tank is unknown, it is likely consistent with the construction of Building 7. The tank has been reported to be located on both the west and north sides of Building 7. Based on the available information, Tank 7-1 is used to store used fuel samples. The capacity of the tank is not known. No data pertaining to tightness or tank integrity have been identified. The tank is currently active. It is periodically checked and emptied by environmental group personnel. This tank has been identified as a RCRA tank based on its contents.

Parcel Boundary Conditions

Parcel 82 is bounded by Parcels 65, 66, 75, 81, and 83. Parcel 75 is IR Site 8 (PWC shop and pesticide storage area). Elevated concentrations of VOCs, SVOCs, PCBs, metals, and pesticides have been detected in samples of soil and/or water from IR Site 8. Expanded investigations associated with this site have been proposed by the IR contractor to further delineate impacts from this site.

No sampling is called for in this PEP in response to the nearby IR site. If the continuing investigations at the IR site reveals a cause for concern at Parcel 82, then additional sampling on Parcel 82 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes four RCRA sites (SWMU/GAP 81, 82, 83, and Tank T-7). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, the three GAP sites at this parcel do not require sampling because no staining was noted in the area of the sites. The tank will be addressed by the UST program. A brief description of each of the RCRA sites is provided below.

Each of the three GAP sites consists of a small active chemical storage area in three laboratories in Building 7. Chemicals are stored in five-gallon containers. Historical releases are unknown at these sites. Wastes stored at the three sites reportedly consist of the following:

- GAP 81 -- water base primer, alcohol, poly paint and thinners, paint strippers;
- GAP 82 -- JP-5 and JP-4, ICP and AA laboratory analysis wastes, hydraulic fluid, heavy metal titration solutions; and,
- GAP 83 -- acidic metal etchant rinse water.

The UST contains waste fuel and is described in the underground storage tank subsection above.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 82, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-82-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, asbestos, underground storage tanks, industrial hygiene concerns, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with USTs and sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 7. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

As noted earlier, Parcel 82 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 82.

Once the data gaps in Table 6-82-1 are addressed, Parcel 82 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-82-1

Summary of Data Gaps
NAS Alameda Parcel 82

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 8 (Building 114) is located adjacent to Parcel 82. Additional subsurface investigation relative to IR Site 8 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-82-1

Summary of Data Gaps
NAS Alameda Parcel 82

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• One UST currently exists at Parcel 82 (Tank 7-1). • Tank 7-1: Active. Future actions for this tank are unknown. This tank is a RCRA Tank due to its contents.
Underground Utilities	• Sanitary sewer, storm sewer, water, and electrical lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to PCBs, underground lines, radiological concerns, asbestos, impacts of the adjacent IR site, and USTs must be resolved before this parcel can be leased or transferred.

SECTION 6-104

PARCEL 104 EVALUATION PLAN

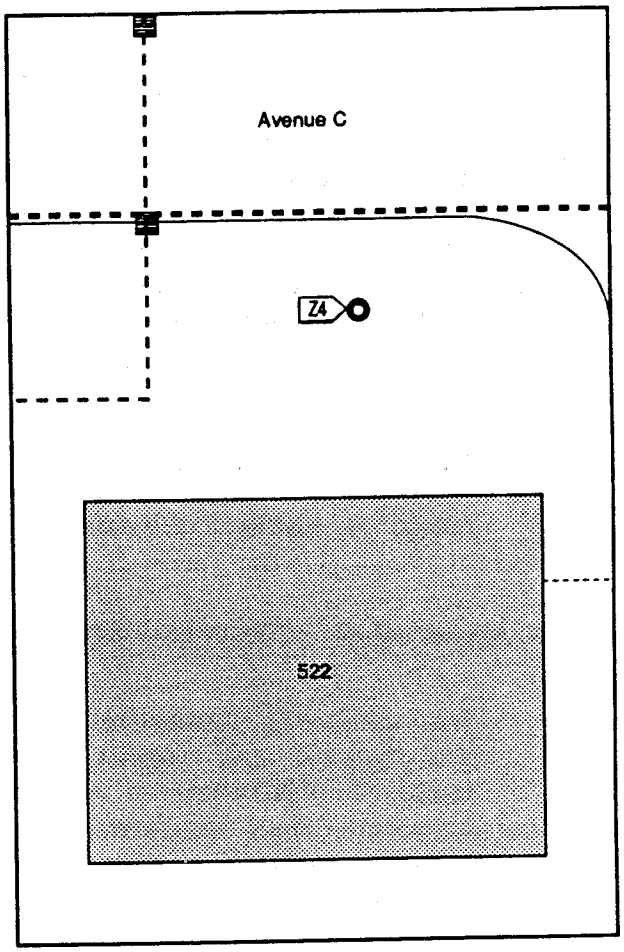
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 104 at NAS Alameda (Figure 6-104-1). The parcel, which is located in the central portion of the base, is less than one-half acre in size and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. Surface soil sampling will be used to accomplish the screening-level investigation. Table 6-104-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 104, historical activities are discussed below.

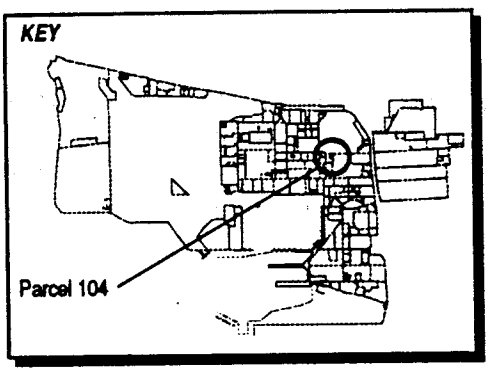
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 104, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel were determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine area on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 66, 67, 68, 69, 75, 76, 77, 78, 79, 82, 105, 106, 107, 108, 109, 186, 188, 189, 203, and 213. This parcel zone has been designated the Central Light Industrial Zone (Zone 13). The Central Light Industrial Zone encompasses the parcels that have laboratory, electronics, plating, and vehicle maintenance activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore,





LEGEND

- Steam Line
- Storm Sewer Line
- Sewer Line
- Surface Soil Sample Location

1"=60'

Figure 6-104-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/07.05.94

TABLE 6-104-1

Summary of Recommended Samples
NAS Alameda Parcel 104

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z13-4-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 13 Target Area 2	Banned Pesticides	Pesticides	CLP RAS

future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 13.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 522) covers approximately 40 percent of the parcel. The remaining 60 percent is open space. The parcel area is currently composed of roadways, sidewalks, landscaped areas, and Building 522. A portion of one building (Building 129 - Applied Instruction Center and Barracks) was formerly located on the parcel and has since been demolished. Underground steam and sewer lines are present on this parcel and are shown on Figure 6-104-1.

Parcel 104 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 104, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 522

Building 522 was constructed in 1990 and serves as an office building for civilian employee welfare and recreation administration (Figure 6-104-1). This one-story building covers approximately 2,500 square feet is in fair condition. Building 522 is constructed of wood with a concrete floor. The space currently occupied by Building 522 was formerly landscaped open space.

Utilities located within and immediately surrounding Building 522 include underground sanitary sewer, storm sewer, steam, and overhead electrical lines. Less than ten gallons of general household cleaning chemicals are documented to have been stored in and used at Building 522. No spills or staining are documented within Building 522. Building 522 is not reported to be equipped with a

heating-ventilation-air conditioning (HVAC) system. No incidents are documented to have occurred within Building 522.

Open Space

The open space covers approximately 60 percent of the parcel. The open space is 50 percent paved and 50 percent unpaved. Approximately 90 percent of the paved area is surfaced with asphalt and 10 percent is covered with concrete. The pavement is generally in good condition. The unpaved areas of the open space are covered with grass and landscaping.

No structures are located within the open space. Utilities located within and immediately surrounding the open space include underground sanitary sewers, storm sewers, steam lines, and overhead electrical lines. A portion of Building 129 was formerly located in this open space. It housed the applied instruction center and barracks and was demolished around 1975. Building 129 was a two-story building, was constructed of wood, and covered approximately 33,000 square feet.

No chemicals are documented to have been stored in or used at the open space. No spills or staining are documented for the open space. No other incidents are documented to have occurred within the open space

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 104 is bounded by Parcels 98, 103, and 105. No activities of potential environmental concern were identified on these adjacent parcels. The adjacent parcels are currently in use as open space and residential areas.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 104, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-104-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 104 because no industrial buildings are present.

As noted earlier, Parcel 104 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling has been addressed as a zone-wide issue for four of the parcels located in Zone 13 (Parcels 104, 105, 109, and 203), because these parcels are located directly adjacent to a residential area. Limited pesticide sampling has been proposed to address any potential concerns regarding their future use resulting from their proximity to a residential area.

Once the data gaps in Table 6-104-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 104 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-104-2

Summary of Data Gaps
NAS Alameda Parcel 104

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 104.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 104.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• Pesticides may have impacted the long-term landscaped areas on Parcels 104, 105, 109, and 203, that may be used as recreation areas by children living on adjacent Parcels 98 and 103.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-104-2

Summary of Data Gaps
NAS Alameda Parcel 104

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer and sanitary sewer lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

One zone-wide target area was identified for Parcel 104. No parcel-specific target areas were identified for this parcel.

- Zone 13 Target Area 2 (Unpaved/Landscaped Areas): Based on historical aerial photographs, the unpaved open spaces of Zone 13 have been unpaved since 1940. Zone 13 Target Area 2 includes current and former unpaved areas within the Central Light Industrial Zone that are directly adjacent to family housing located on Parcels 98 and 103. Unpaved areas may have been impacted by pesticides that were used to suppress vegetation. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. A range of unpaved areas will be sampled to assess potential risk, if any from historical pesticide application. This target area is classified as having potential likelihood of impacts, and is identified because of the potential recreational use of portions of this zone by children living in the adjacent residential areas. One surface soil sample for pesticides will be collected from the location shown on Figure 6-104-1. All samples to be collected in this zone-wide target area are listed in Table 6-Z13-1 and shown on Figure 6-Z13-1.

In addition, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, and radiological issues must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-105

PARCEL 105 EVALUATION PLAN

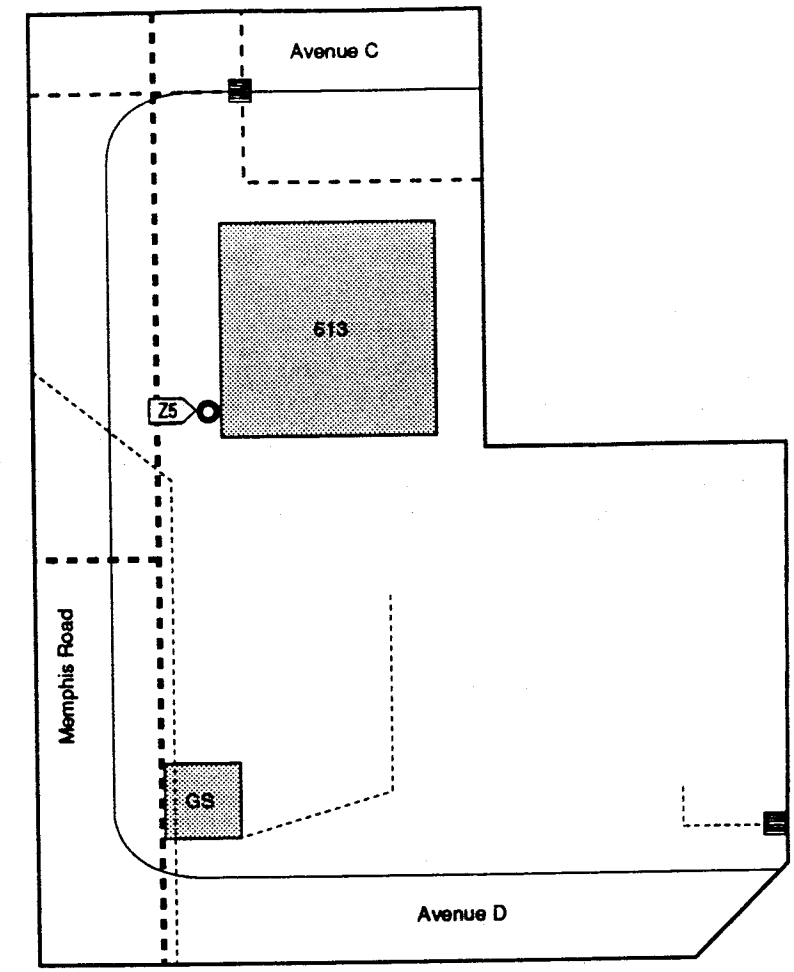
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 105 at NAS Alameda (Figure 6-105-1). The parcel, which is located in the central portion of the base, is less than one-half acre in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. Surface soil sampling will be used to accomplish the screening-level investigation. Table 6-105-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 105, historical activities are discussed below.

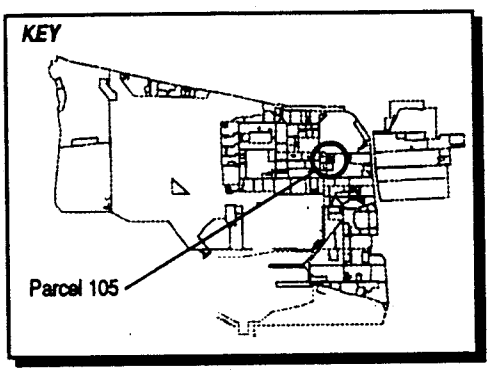
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 105, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel were determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine area on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 66, 67, 68, 69, 75, 76, 77, 78, 79, 82, 104, 106, 107, 108, 109, 186, 188, 189, 203, and 213. This parcel zone has been designated the Central Light Industrial Zone (Zone 13). The Central Light Industrial Zone encompasses the parcels that have laboratory, electronics, plating, and vehicle maintenance activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore,





LEGEND

- Steam Line
- Storm Sewer Line
- Sewer Line
- Surface Soil Sample Location

Note: *Sampling locations are approximate.*

1"=60'

Figure 6-105-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/07.05.94

TABLE 6-105-1

Summary of Recommended Samples
NAS Alameda Parcel 105

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z13-5-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 13 Target Area 2	Banned Pesticides	Pesticides	CLP RAS

future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 13.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Building 613 and a guard shack) cover approximately 40 percent of the parcel. The remaining 60 percent is open space. The parcel area is currently made up of roadways, sidewalks, a landscaped area, the guard shack, and Building 613. A portion of one building (Building 129 - Applied Instruction Center and Barracks) was formerly located on the parcel and has since been demolished. Underground steam and sewer lines are present on this parcel and are shown on Figure 6-105-1.

Parcel 105 is not located within 500 feet any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 105, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 613

Building 613 was constructed around 1985 and serves as a family services and counseling center (Figure 6-105-1). This one-story building is in good condition. Building 613 is constructed of wood, sheet rock and concrete, and covers approximately 4,500 square feet. The space occupied by Building 613 was formerly landscaped open space. Utilities located within and immediately surrounding Building 613 include sanitary sewer, storm sewer, electrical, and steam lines.

No chemical storage, use, spills, or staining are documented to have occurred within this building. Building 613 is not reported to be equipped with a heating-ventilation-air conditioning (HVAC) system. No incidents are documented to have occurred within Building 613.

Open Space

The open space covers approximately 60 percent of the parcel. The open space is 50 percent paved and 50 percent unpaved. Approximately 90 percent of the paved area is surfaced with asphalt and 10 percent is covered with concrete. The pavement is generally in good condition. The unpaved areas of the open space are covered with grass and landscaping.

No structures are located within the open space. Utilities located within and immediately surrounding the open space include sanitary and storm sewers, electrical, and steam lines. A portion of Building 129 was formerly located in this open space. Building 129 housed the applied instruction center and barracks and was demolished around 1975. Building 129 was a two-story building, was constructed of wood, and covered approximately 33,000 square feet.

No chemicals are documented to have been stored or used in the open space. No spills or staining are documented for the open space. No other incidents are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 105 is bounded by Parcels 98, 103, 105, 106, 108, 189, and 203. There appears to be no activities of environmental concern on these adjacent parcels.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 105, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-105-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, and radiological concerns. Based on the age of Building 613, it is unlikely that ACM or lead-based paint are of concern. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 105 because no industrial buildings are present.

As noted earlier, Parcel 105 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling has been addressed as a zone-wide issue for four of the parcels located in Zone 13 (Parcels 104, 105, 109, and 203), because these parcels are located directly adjacent to a residential area. Limited pesticide sampling has been proposed to address any potential concerns regarding their future use resulting from their proximity to a residential area.

Once the data gaps in Table 6-105-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 105 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-105-2

Summary of Data Gaps
NAS Alameda Parcel 105

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 105.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 105.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• Pesticides may have impacted the long-term landscaped areas on Parcels 104, 105, 109, and 203, that may be used as recreation areas by children living on adjacent Parcels 98 and 103.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-105-2

Summary of Data Gaps
NAS Alameda Parcel 105

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, and electrical lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

One zone-wide target area was identified for Parcel 105. No parcel-specific target areas were identified for this parcel. This zone-wide target area includes:

- Zone 13 Target Area 2 (Unpaved/Landscaped Areas): Based on historical aerial photographs, the unpaved open spaces of Zone 13 have been unpaved since 1940. Zone 13 Target Area 2 includes current and former unpaved areas within the Central Light Industrial Zone that are directly adjacent to family housing located on Parcels 98 and 103. Unpaved areas may have been impacted by pesticides that were used to suppress vegetation. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. A range of unpaved areas will be sampled to assess potential risk, if any from historical pesticide application. This target area is classified as having potential likelihood of impacts, and is identified because of the potential recreational use of portions of this zone by children living in the adjacent residential areas. One surface soil sample for pesticides will be collected from the location shown on Figure 6-105-1. All samples to be collected in this zone-wide target area are listed in Table 6-Z13-1 and shown on Figure 6-Z13-1.

In addition, concerns pertaining to PCBs, underground lines, and radiological issues must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-106

PARCEL 106 EVALUATION PLAN

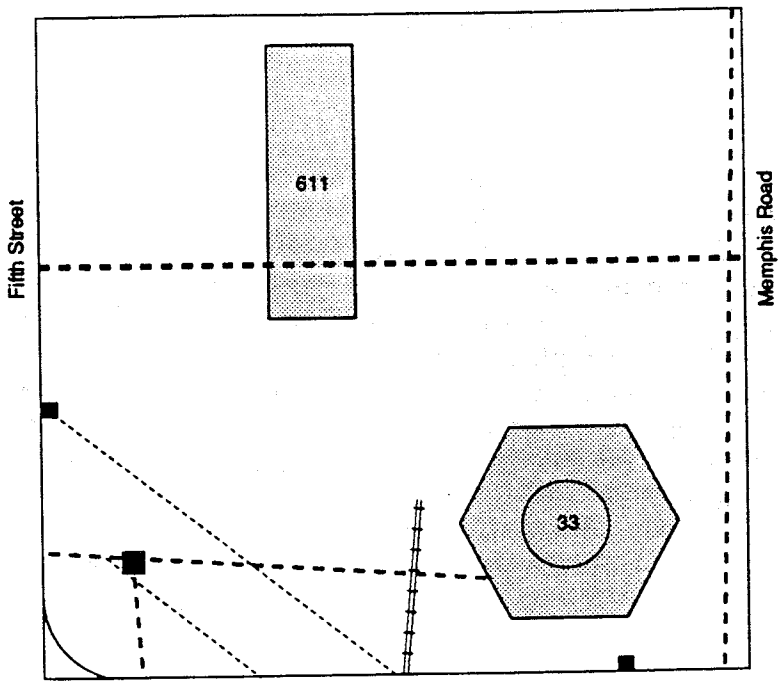
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 106 at NAS Alameda (Figure 6-106-1). The parcel, which is located in the central portion of the base, is 1.2 acres in size and is rectangular. The parcel has been classified as requiring a low level of effort to meet the sampling objectives outlined in Section 1 of the Shell Workplan. This parcel does not contain any RCRA sites. One zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. However, no sampling is called for on this parcel in the screening-level investigation. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 106, historical activities are discussed below.

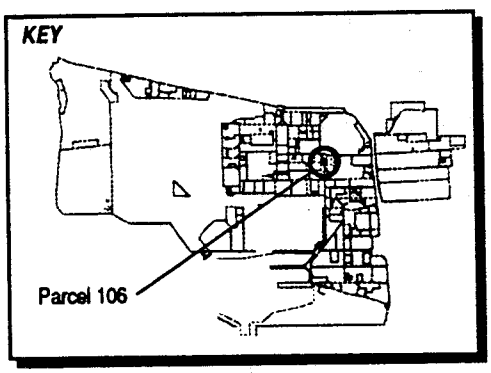
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 106, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies other Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 66, 67, 68, 69, 75, 76, 77, 78, 79, 82, 104, 105, 107, 108, 109, 186, 188, 203, and 213. This parcel zone has been designated the Central Light Industrial Zone (Zone 13). The Central Light Industrial Zone encompasses the parcels that have laboratory, electronics, plating, and vehicle maintenance activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-





LEGEND

- Steam Line
- Storm Sewer Line
- Sewer Line
- Sanitary Sewer Manhole
- Catch Basin

Note: *No screening-level sampling recommended for this parcel.*

1"=60'

Figure 6-106-1
Parcel Specific Sampling Locations
NAS Alameda, CA

ERM-West, Inc. 6/94
2121.90.12/GCF/06.30.94

wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 13.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel area was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 611, Electronic Repair Garage) and one structure (Water Tower) cover approximately ten percent of the parcel. The remainder (90 percent) is open space. Land usage on the parcel currently includes of a small automobile parking area, railroad tracks, an open grassy area, a sidewalk, and a roadway. No other buildings are documented to have formerly existed at this parcel. Underground steam and sewer lines are present at this parcel and are shown in Figure 6-106-1.

Parcel 106 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 106 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Structure 33

Structure 33 was constructed in 1933 and serves as a water tower (Figure 6-106-1). This structure covers approximately 5,000 square feet and is in fair condition. Structure 33 is constructed of steel and can store up to 200,000 gallons of water. No chemicals are documented to have been stored in or used at Structure 33 from 1933 to 1992.

No spills or other incidents are documented to have occurred at this structure.

Building 611

Building 611 was constructed in 1961 and serves as a electronics/communications maintenance shop (Figure 6-106-1). Mobile communications equipment repairs occur in the north half of the building and a garage for mobile repairs occupies the south half of the building. This one-story building covers approximately 970 square feet and is in fair condition. Building 611 is constructed of corrugated steel walls and roof, and a concrete floor. The space occupied by Building 611 was formerly open space used for parking.

Utilities located within and immediately surrounding Building 611 include sanitary sewer, storm sewer, steam, electrical, and water lines.

A hazardous material storage locker is located on the northwest side of the building. It holds small quantities of paints, solvents, and lubricants. There is a battery storage locker on the southwest side of the building that contains Nicad batteries. These materials are used for electronics maintenance inside Building 611. Electronics maintenance has occurred in Building 611 since 1961. No hazardous wastes were noted during the site inspection. There are no documented spills or staining at this building. No other documented incidents have occurred at this building.

Open Space

This open space covers approximately 90 percent of the parcel. The open space has been used for parking areas, sidewalk, and a landscaped area. The undeveloped and landscaped area of this parcel has existed in its present state since this parcel was filled.

Structures located within the open space include railroad tracks and a water tower. The ground surface of the open space is 75 percent paved and 25 percent grass. Approximately 80 percent of the paved area is covered with asphalt and 20 percent of the paved area is concrete. The pavement is in fair condition. Utilities located within and immediately surrounding the open space include underground sanitary sewer, electrical, water, steam, and storm sewer lines.

During the site inspection in May 1994, small quantities of paint, solvents, Nicad batteries, and lubricants were stored in hazardous materials lockers on the west side of Building 611. Approximately 100 gallons total of paint, solvents, and lubricants were stored in the open space. No evidence of spills or stains was noted during site inspection, and no other incidents are documented to have occurred within the open space of this parcel.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 106 is bounded by Parcels 73, 79, 107, 108, 188, 189, and 203. Activities in these parcels include parking, child care, offices, water storage, and warehousing. No activities of potential environmental concern have been identified at these parcels.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 106, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-106-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern Building 611. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

TABLE 6-106-1

Summary of Data Gaps
NAS Alameda Parcel 106

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings are located at Parcel 106.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 106.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-106-1

Summary of Data Gaps
NAS Alameda Parcel 106

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

No Industrial Hygiene sampling is required for Parcel 106 because no industrial buildings are present.

As noted earlier, Parcel 106 has open space areas that are landscaped or unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 106.

Once the data gaps in Table 6-106-1 are addressed, Parcel 106 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

One zone-wide target area was identified for Parcel 106. No parcel-specific target areas were identified for this parcel. However, the samples proposed for the zone-wide target area are located on adjacent parcels; no sampling has been proposed for this parcel.

- Zone 13 Target Area 1 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Central Light Industrial Zone. Railroad tracks are located in the northern portion of the parcel. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas. No surface soil samples for this zone target area are located on this parcel. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means. All samples to be collected in this zone-wide target area are listed in Table 6-Z13-1 and shown on Figure 6-Z13-1.

In addition, concerns pertaining to asbestos, lead-based paint, underground lines, and radiological issues must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-107

PARCEL 107 EVALUATION PLAN

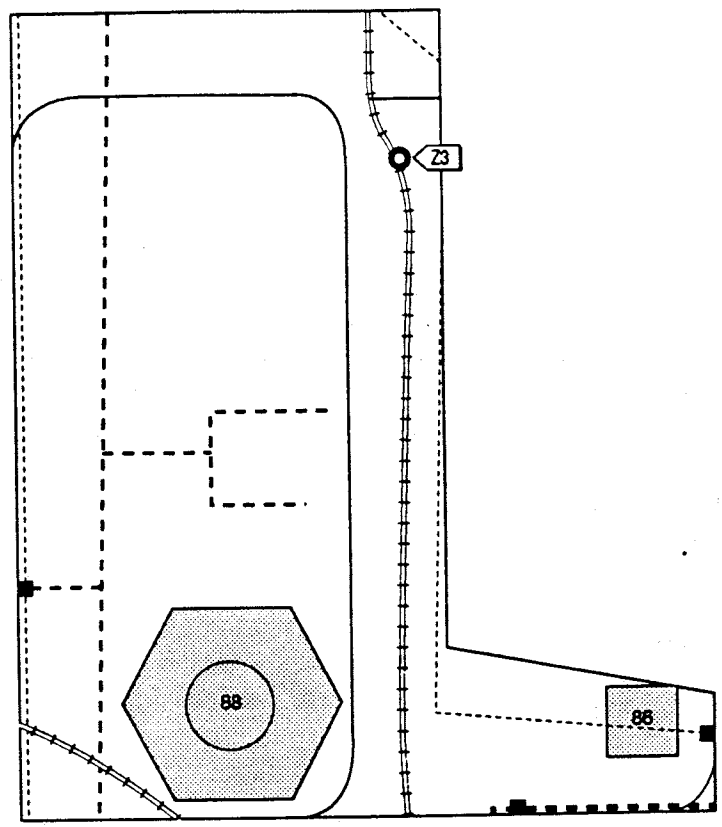
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 107 at NAS Alameda (Figure 6-107-1). The parcel, which is located in the central portion of the base, is approximately one acre in size and is roughly "L"-shaped. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel does not contain any RCRA sites. One zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. Surface soil sampling will be used to accomplish the screening-level investigation. Table 6-107–1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 107, historical activities are discussed below.

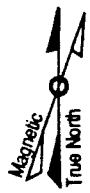
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 107, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 66, 67, 68, 69, 75, 76, 77, 78, 79, 82, 104, 105, 106, 108, 109, 186, 188, 189, 203, and 213. This parcel zone has been designated the Central Light Industrial Zone (Zone 13). The Central Light Industrial Zone encompasses the parcels that have laboratory, electronics, plating, and vehicle maintenance activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore,





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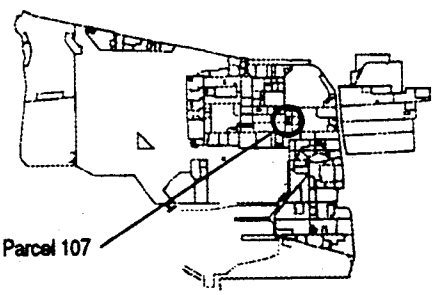


LEGEND

- Steam Line
- Storm Sewer Line
- Sewer Line
- Surface Soil Sample Location
- Catch Basin

Note: *1) Parcel Borders Are Approximate*
2) Railroad Track Samples Are Taken Directly Under Track

1"=60'

Figure 6-107-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/08.30.94

TABLE 6-107-1

Summary of Recommended Samples
NAS Alameda Parcel 107

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z13-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 13 Target Area 1	PCBs, Fuels, Oils, Creosote, Railroad Tie Tar	PCBs, TPH, SVOCs, Metals	EPA 8080, Modified EPA 8015, CLP RAS, ICAP SCAN

future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 13.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 86 - Sewage Pump Station) and one structure (Water Tower) cover approximately five percent of the parcel. The remaining 95 percent is open space. In general, the parcel area is presently an open grassy area with a small automobile parking area, sidewalk and roadway. One additional water tower was formerly located on the parcel and has since been demolished. No other buildings or structures are documented to have formerly existed at this parcel. Underground steam and sewer lines are present at this parcel and are shown in Figure 6-107-1.

Parcel 107 is located approximately 400 feet northeast of an Installation Restoration (IR) Program site (IR Site 6). No previous investigations have been conducted at Parcel 107, and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Structure 61

Structure 61 was constructed in 1933 and served as a water tower (Figure 6-107–1). This structure was demolished in 1992. Structure 61 was constructed of steel and covered approximately 5,000 square feet. This structure could store up to 200,000 gallons of water. No chemicals are documented to have been stored or used in Structure 61.

No spills are documented concerning this structure. No other incidents are documented to have occurred at this structure.

Building 86

Building 86 was constructed prior to 1947 and served as a sewage pump station (Figure 6-107–1). This one-story building covers approximately 100 square feet and is in fair condition. Building 86 is constructed of concrete with a concrete floor and concrete roof. Utilities located within and immediately surrounding the building include sanitary sewer, storm sewer, steam, electrical, and water lines.

Chlorine gas is documented to have been in continual use at Building 86 since its construction. The gas is used to treat the sewage that is passed through this pump station. No spills are documented in existing files concerning this building. No other incidents are documented to have occurred at this building.

Structure 88

Structure 88 was constructed in 1933 and has served as a water tower (Figure 6-107–1). This structure is constructed of steel, covers approximately 5,000 square feet, and is in fair condition. Structure 88 can store up to 200,000 gallons of water. No chemicals are documented to have been stored in or used in Structure 88 from 1933 to 1992.

No spills are documented relating to this structure. No other incidents are documented to have occurred at this building.

Open Space

Open space occupies approximately 95 percent of the parcel. In general, open space has been used for railroad tracks, roadways, automobile parking, and as grassy open space.

Structures located within the open space include a water tower, a sewage pump station, and railroad tracks (Figure 6-109–1). The ground surface of the open space is approximately 50 percent paved and 50 percent unpaved. Approximately half of the paved area is surfaced with asphalt and the other half is paved with concrete. The pavement is generally in fair condition. The unpaved areas of the open space are covered with gravel (10 percent), grass and landscaping (80 percent), and bare soil (10 percent). Utilities located within and immediately surrounding open space include underground sanitary sewer, storm sewer, electrical, water, and steam lines.

Structure 68 was formerly located in this open space. It was a water tower and was demolished shortly after 1992.

No chemicals are documented to have been stored or used in this open space. No spills are documented in existing files concerning this building. Site inspection data indicate that staining is present at the railroad tracks. This staining is of unknown origin. The staining is typically within three feet of the railroad tracks. This staining is addressed by Zone 13 Target Area 1.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 107 is bounded by Parcels 73, 103, 106, 108, 109, 203, and 206. Activities of concern on these parcels include material storage on Parcels 73 and 206. Parcel 196 is IR Site 6 (Building 41) and is located approximately 400 feet southwest of Parcel 107.

No sampling is called for in this PEP in response to the nearby IR site. If the continuing investigations at the IR site reveals a cause for concern at Parcel 107, then additional sampling on Parcel 107 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 107, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-107-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-

TABLE 6-107-2

Summary of Data Gaps
NAS Alameda Parcel 107

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 107.
Installation Restoration (IR) Sites	• IR Site 6 (Building 41) is located within 400 feet southwest of Parcel 107. Additional subsurface investigation relative to IR Site 6 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-107-2

Summary of Data Gaps
NAS Alameda Parcel 107

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

based paint, asbestos, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 107 because no industrial buildings are present.

As noted earlier, Parcel 107 has open space areas that are landscaped or unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 107.

Once the data gaps in Table 6-107-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 107 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

One zone-wide target area was identified for Parcel 107. No parcel-specific target areas were identified for this parcel.

- Zone 13 Target Area 1 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Central Light Industrial Zone. Railroad tracks are located in the northern portion of the parcel. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas. One surface soil sample for this zone target area is located on this parcel. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means. The sample to be collected in this target

area is shown on Figure 6-107-1 and listed in Table 6-107-1. The approximate sampling location is shown on Figure 6-107-1. All samples to be collected in this zone-wide target area are listed in Table 6-Z13-1 and shown on Figure 6-Z13-1.

In addition, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological issues, and the impacts of the nearby IR site must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-108

PARCEL 108 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 108 at NAS Alameda (Figure 6-108-1). The parcel, which is located in the central portion of the base, is approximately one-half acre in size and is rectangular. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel does not contain any RCRA sites. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 108, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 108, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 66, 67, 68, 69, 75, 76, 77, 78, 79, 82, 104, 105, 106, 107, 109, 186, 188, 189, 203, and 213. This parcel zone has been designated the Central Light Industrial Zone (Zone 13). The Central Light Industrial Zone encompasses the parcels that have laboratory, electronics, plating, and vehicle maintenance activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected

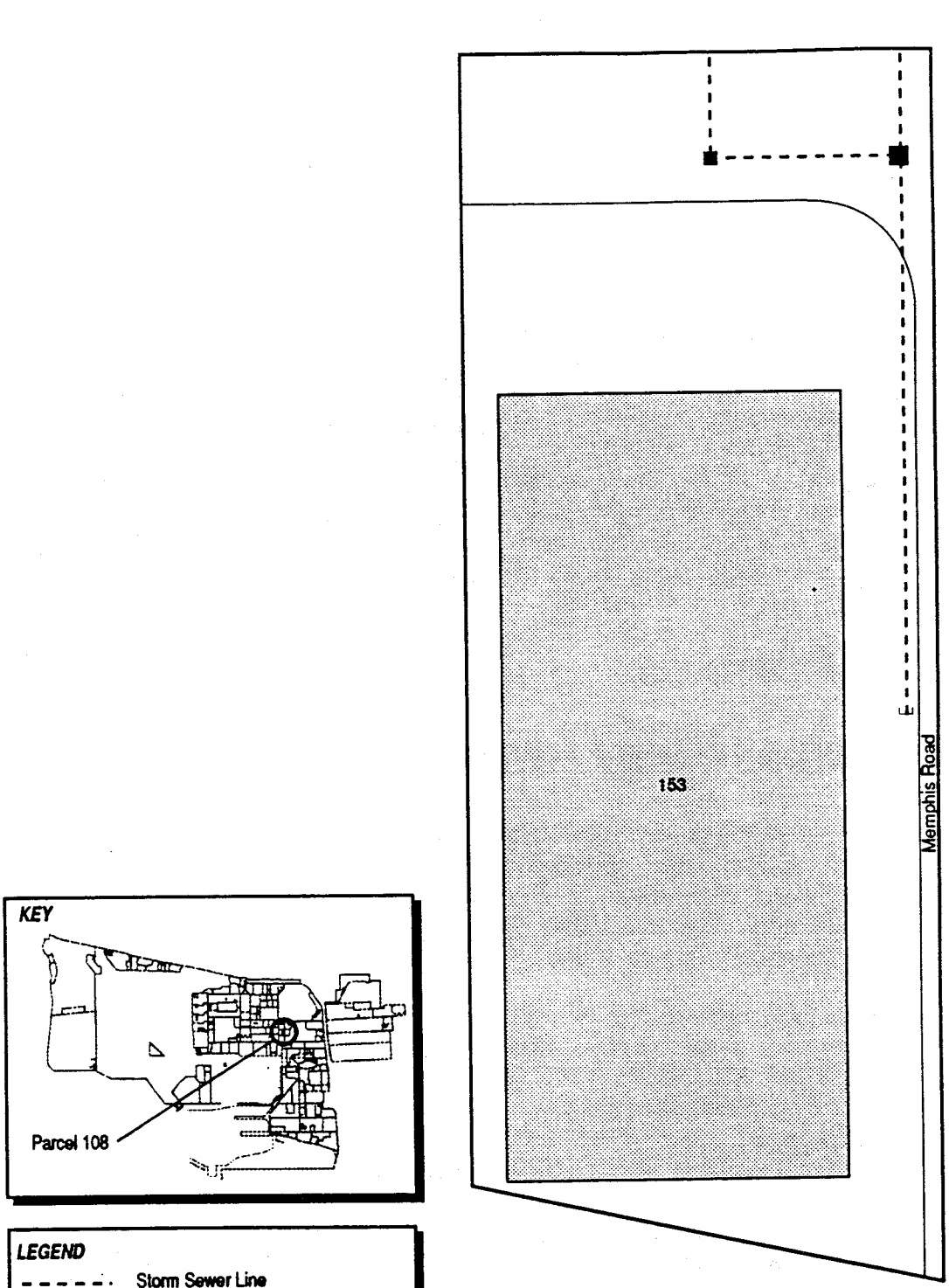


Figure 6-108-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/GCF/06.28.94

for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 13.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 153) covers approximately 50 percent of the parcel. The remaining 50 percent is open space. No former buildings are documented to have existed at this parcel. Sewer lines are present at this parcel and are shown in Figure 6-108–1.

Parcel 108 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 109, and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 153

Building 153 was constructed in 1945 and served as a family services center and a cold storage facility (Figure 6-108-1). This one-story building covers approximately 9,700 square feet and is in fair condition. Building 153 is constructed of wood and concrete. This building has a concrete and asbestos tile floor and a tar and gravel roof. No previous use is documented for this area prior to the construction of Building 153.

Utilities located within and immediately surrounding Building 153 include sanitary sewer, electrical, steam, storm sewer, and water lines.

Information collected during the EBS indicates that activities conducted within this building included cold storage of food products and a family services center. Currently the building is used for fire department storage and janitorial service offices. Stored compounds include various chemical agents (e.g., firefighting foam, cleaners, and polishes). These items are currently stored in the cold storage lockers.

Approximately 1,500 gallons of these chemicals are currently being stored in this building.

No spills are documented to have occurred in this building. No staining was noted during the site inspection.

Building 153 has a non-industrial HVAC system that was not designed to mitigate vapors and fumes. The location of ventilation system components indicates that fume and vapor accumulation inside the building is a potential concern. Site inspectors noted the presence of trapped fumes. There is a significant accumulation of dusts on interior building surfaces. Also present are ceiling tiles, floor tiles, and insulation that are of sufficient age as to potentially be composed of asbestos-containing materials (ACM).

No other incidents are documented to have occurred within this building.

Open Space

The space covers approximately 50 percent of the parcel. Fifty percent of the open space is paved with asphalt, which is in fair condition. The remaining 50 percent is covered with grass.

Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, water, electrical, and steam lines.

EBS information indicates that activities conducted within this open space included vehicle parking for Building 153. There are no chemicals documented to have been stored in or used at the open space.

Staining is present on the loading dock portion of Building 153 and north of the building. One set of stains appears to be due to petroleum products and is probably related to vehicle parking. Another stain appears to be a large spot of white paint. The paint stain is approximately two feet by ten feet. These stains are minor and do not warrant sampling. No other incidents are documented to have occurred within this parcel.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated

that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 108 is bound by Parcels 105, 106, 107, and 203. Parcel 108 is located 50 feet northeast of IR Site 6. Parcel 106 is located to the north and contains an electronic communications building. Parcel 107 contains railroad tracks and water towers. Parcel 203 contains office buildings and is located to the east. Parcel 105, which contains a parking lot and a family service center, is located northeast of Parcel 108.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 108, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-108-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 153. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

TABLE 6-108-1

Summary of Data Gaps
NAS Alameda Parcel 108

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 108.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-108-1

Summary of Data Gaps
NAS Alameda Parcel 108

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

As noted earlier, Parcel 108 has open space areas that are landscaped or unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 108.

Once the data gaps in Table 6-108-1 are addressed, Parcel 108 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, and radiological concerns must be resolved before this parcel can be leased or transferred.

SECTION 6-109

PARCEL 109 EVALUATION PLAN

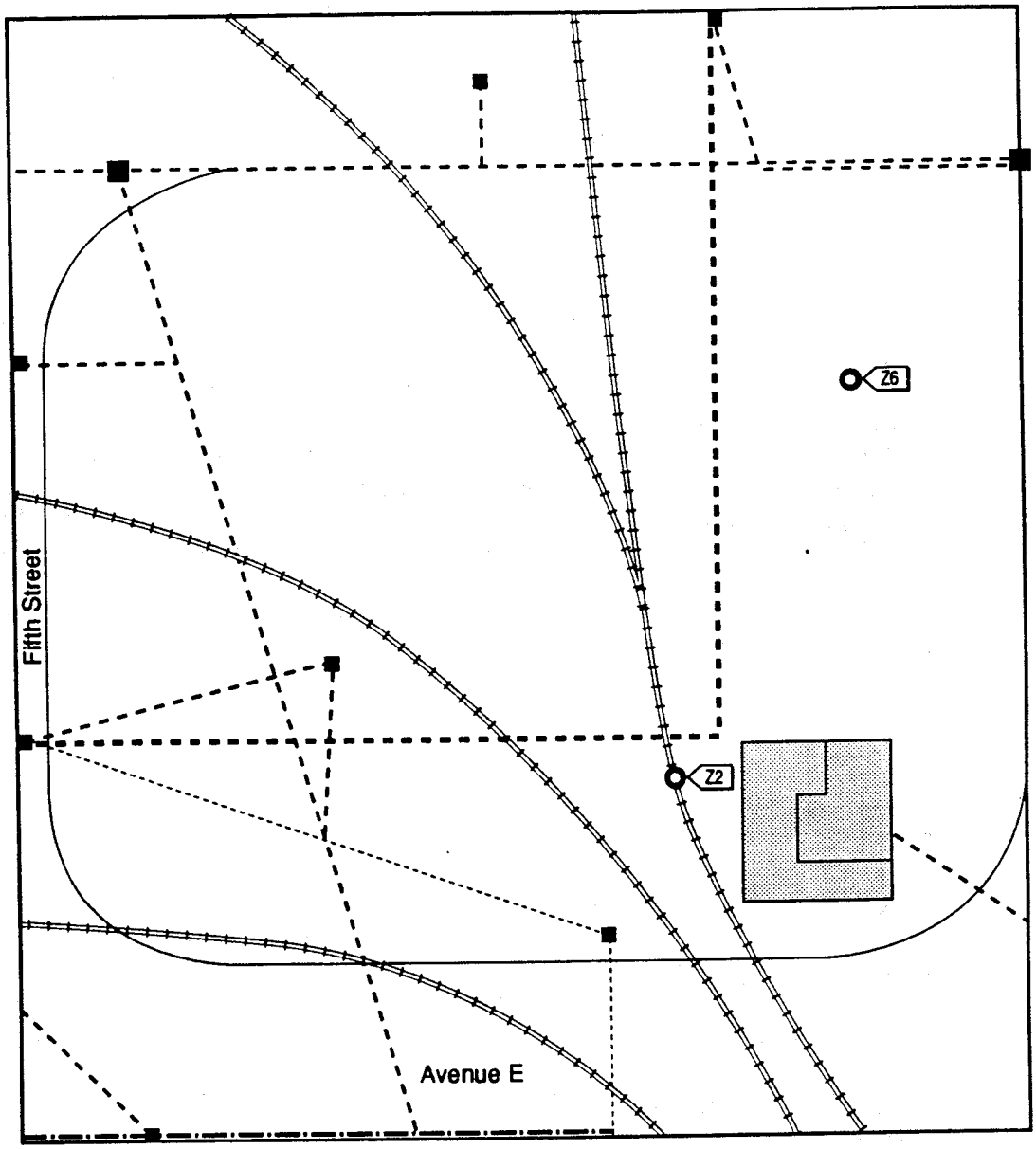
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 109 at NAS Alameda (Figure 6-109–1). The parcel is located in the central portion of the base, is 1.5 acres in size, and is square. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites area located at this parcel. Two zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. Surface soil sampling will be used to accomplish the screening-level investigation. Table 6-109–1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 109, historical activities are discussed below.

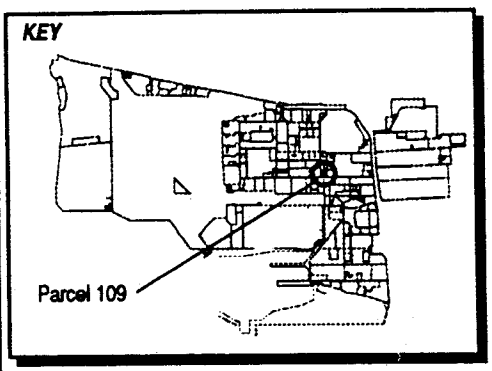
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 109, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel were determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 66, 67, 68, 69, 75, 76, 77, 78, 79, 82, 104, 105, 106, 107, 108, 186, 188, 189, 203, and 213. This parcel zone has been designated the Central Light Industrial Zone (Zone 13). The Central Light Industrial Zone encompasses the parcels that have laboratory, electronics, plating, and vehicle maintenance activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore,





LEGEND

- Steam Line
- Storm Sewer Line
- Sewer Line
- Abandoned Fuel Line
- Surface Soil Sample Location
- Sanitary Sewer Manhole
- Catch Basin

Note:
1) *Parcel Borders Are Approximate*
2) *Railroad Track Samples Are Taken Directly Under Track*

1"= 45'

Figure 6-109-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/GCF/06.28.94

TABLE 6-109-1

Summary of Recommended Samples
NAS Alameda Parcel 109

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z13-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 13 Target Area 1	PCBs, Fuels, Oils	PCBs, TPH, Lead	EPA 8080, ICAP SCAN, Modified EPA 8015
Z13-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 13 Target Area 1 2	Creosote, Tie Tar, Banned Pesticides	SVOCs, Pesticides	CLP RAS

future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 13.

Filling began in the area covered by this parcel in approximately 1930. Before this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one structure (a steam and condensate station) covers less than five percent of the parcel area. The remaining 95 percent is open space. In general, the parcel area is used for open grassy space with a small automobile parking area, sidewalks, and roadways. One building (Building 90) was formerly located on the parcel and has since been demolished. Underground steam and sewer lines are present at this parcel and are shown in Figure 6-109–1.

Parcel 109 is located approximately 200 feet northeast of an Installation Restoration (IR) Program site (IR Site 6 - Building 41). No previous investigations have been conducted at Parcel 109, and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 90 (Demolished)

Building 90 was constructed before 1947 and was demolished shortly after 1953. The former use of this building is unknown. Utilities located within and immediately surrounding former Building 90 include sanitary sewers, storm sewers, and steam lines. Abandoned fuel lines are located along the southern border of Parcel 109. No chemicals are known to have been used or stored in this building. There are no documented releases for this building. No other incidents documented to have occurred at this building.

Open Space

The open space covers approximately 95 percent of Parcel 109. In general, the open space has been used for railroad passage, roadways,

and automobile parking. Some areas consist of grassy open space. The ground surface of the open space is 25 percent paved and 75 percent unpaved. Approximately 60 percent of the paved area is surfaced with asphalt and 40 percent with concrete. The pavement is in fair condition. The unpaved areas of open space are covered with gravel (15 percent), grass and landscaping (70 percent), and bare soil (15 percent).

The only structure located within the open space is a steam pipe access station which was constructed before 1947 (Figure 6-109-1). Building 90 was formerly located in this open space.

EBS information indicates that activities conducted within this open space included railroad transport and automobile parking. Utilities located within and immediately surrounding open space include underground sanitary sewer, storm sewer, abandoned fuel, electrical, and steam lines.

No chemicals are documented to have been stored in or used at this parcel. No spills are documented in existing files concerning this building. Site inspection data indicate that undocumented spills may have occurred at the railroad tracks. The resultant staining typically occurs approximately three feet on either side of the railroad tracks. The railroad tracks are addressed in Zone 13 Target Area 1. No other incidents are documented to have occurred within this open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 109 is bounded by Parcels 71, 103, 107, 110, 203, and 206. Parcel 196 is identified as IR Site 6 (Building 41), and is located southwest of Parcel 109. Activities of concern on adjacent parcels include material storage on Parcel 206.

No sampling is called for in this PEP in response to the nearby IR site. If the continuing investigations at the IR site reveals cause for concern at Parcel 109, then additional sampling on Parcel 109 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 109, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-109-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: asbestos, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 109 because no buildings are present.

As noted earlier, Parcel 109 has open space areas that are landscaped/unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling has been addressed as a zone-wide issue for four of the parcels located in Zone 13 (Parcels 104, 105, 109, and 203), because these parcels are located directly adjacent to a residential area. Limited pesticide sampling has been proposed to address any potential concerns regarding their future use resulting from their proximity to a residential area.

Once the data gaps in Table 6-109-2 are addressed and screening-level sampling results from the target areas described below are compared to

TABLE 6-109-2

Summary of Data Gaps
NAS Alameda Parcel 109

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No buildings exist at Parcel 109.
Installation Restoration (IR) Sites	• IR Site 6 (Building 41) is located 200 feet southwest of Parcel 109.
Lead-Based Paint (LBP)[1]	• No LBP issues identified.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks. • Pesticides may have impacted the long-term landscaped areas on Parcels 104, 105, 109, and 203, that may be used as recreation areas by children living on adjacent Parcels 98 and 103.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-109-2

Summary of Data Gaps
NAS Alameda Parcel 109

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, and electrical lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Abandoned fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

the appropriate screening levels, Parcel 109 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Two zone-wide target areas were identified for Parcel 109. No parcel-specific target areas were identified for this parcel.

- Zone 13 Target Area 1 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Central Light Industrial Zone. Railroad tracks are located in the northern portion of the parcel. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas. One surface soil sample for this zone target area is located on this parcel. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means. The sample to be collected in this target area is listed in Table 6-109-1. The approximate sampling location is shown on Figure 6-109-1. All samples to be collected in this zone-wide target area are listed in Table 6-Z13-1 and shown on Figure 6-Z13-1.

- Zone 13 Target Area 2 (Unpaved/Landscaped Areas): Based on historical aerial photographs, the unpaved open spaces of Zone 13 have been unpaved since 1940. Zone 13 Target Area 2 includes current and former unpaved areas within the Central Light Industrial Zone that are directly adjacent to family housing located on Parcels 98 and 103. Unpaved areas may have been impacted by pesticides that were used to suppress vegetation. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. A range of unpaved areas will be sampled to assess potential risk, if any from historical pesticide application. This target area is classified as having potential likelihood of impacts, and is identified because of the potential recreational use of portions of this zone by children living in the adjacent residential areas. One surface soil sample for pesticides will be collected from the location shown on Figure 6-109-1. All samples to be collected in this zone-wide target area are listed in Table 6-Z13-1 and shown on Figure 6-Z13-1.

In addition, concerns pertaining to asbestos, underground lines, the nearby IR site, and radiological issues must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Z13

SECTION 6-186

PARCEL 186 EVALUATION PLAN

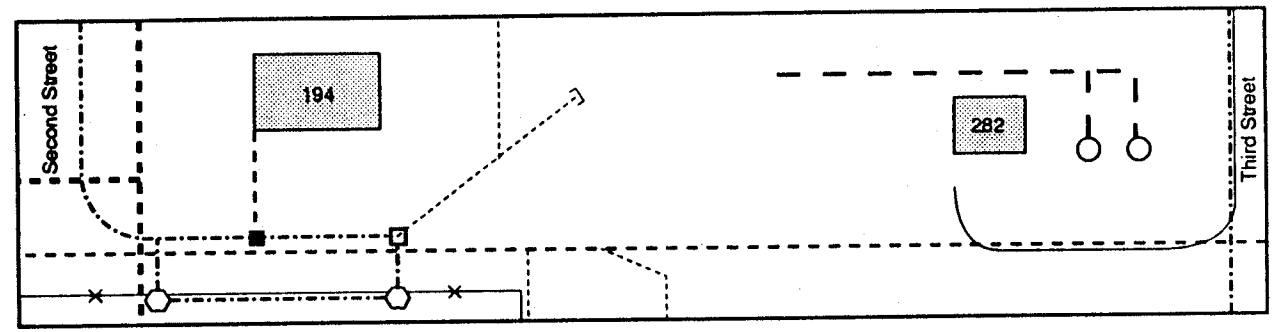
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 186 at NAS Alameda (Figure 6-186-1). The parcel, which is located in the central region of the base, is approximately one acre in size and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA site. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 186, historical activities are discussed below.

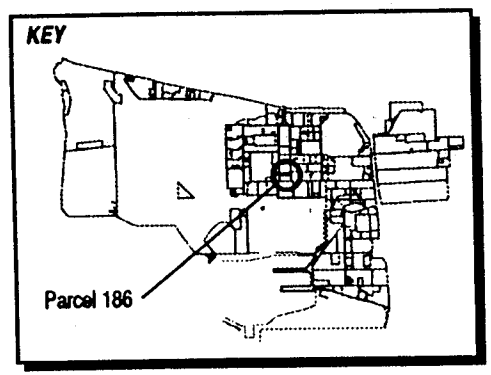
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 186, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 66, 67, 68, 69, 75, 76, 77, 78, 79, 82, 104, 105, 106, 107, 108, 109, 188, 189, 203, and 213. This parcel zone has been designated the Central Light Industrial Zone (Zone 13). The Central Light Industrial Zone encompasses the parcels that have laboratory, electronics, plating, and vehicle maintenance activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected





1"= 60'

LEGEND

- Steam Line
- Storm Sewer Line
- Sewer Line
- Industrial Waste Line
- Fuel Line In Use
- Capped
- Pump Station
- Catch Basin
- Catch Basin

Note: *No screening-level sampling recommended for this parcel.*

Figure 6-186-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/GCF/08.28.94

for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 13.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed since that time.

Currently, two buildings (Buildings 282 and 194) cover approximately five percent of the parcel. There are also several storage sheds located on the parcel. The remainder (95 percent) is open space. The parcel area is presently in use as a storage area. Two buildings were formerly located in this open space. One building was demolished in the early 1970s. Building 556 (sewage lift station) is listed as a current structure on Parcel 186; however, this building could not be located during the site inspection. Underground fuel, steam, and sewer lines are present on this parcel and are shown on Figure 6-186-1.

Parcel 186 is located adjacent to Installation Restoration (IR) Program Site 12 (Building 10) and less than 200 feet east of IR Site 5 (Building 5). No previous investigations have been conducted at Parcel 186, and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 194

Building 194 is a maintenance storage structure (Figure 6-186-1). This building covers approximately 850 square feet and is in fair condition. Utilities located within and immediately surrounding Building 194 include underground sanitary sewer, steam, industrial sewer, storm sewer, water, fuel, and electrical lines.

Information collected during the EBS indicates that activities conducted within this building include chemical storage. There is equipment storage and drum storage within the structure, and a flammable materials locker is located southeast of Building 194. Detailed information is not available regarding types and quantities stored. No staining or spills are documented in or immediately surrounding Building 194.

No incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within or near Building 194.

Building 282

Building 282 is a diesel and motor gasoline (MOGAS) station on the west side of the parcel. It was constructed in 1944 and covers approximately 300 square feet. It is not known how long Building 282 has been in use as a service station facility. There is no other information available about the building construction, except a notation on building plans that asbestos-containing cement board was specified for use in the office. Utilities located within and immediately surrounding Building 282 include underground sanitary sewer, steam, industrial sewer, storm sewer, water, fuel, and electrical lines.

Storage of fuels and other petroleum products may have occurred in and around Building 282 since its construction in 1944. Current storage quantities are unknown. A 1993 hazardous waste inventory indicates that a maximum of 10,000 gallons of petroleum products may be stored as hazardous waste. It is unknown if this inventory reflects spilled or stored material.

A documented fuel (diesel) spill occurred north of Building 282. Information on the quantity released is unavailable. This area has been added to the RCRA Corrective Action Program. Site inspection information indicates the hoses used during tank refueling leave residue drips around the tanks and the hose storage area. The resulting stains noted are three feet by two feet and one foot by two feet in area. These spills are located near hose equipment on the east side of Building 282. No sampling is called for in response to this staining because it is minor, and any remediation related to the documented spill, should also include staining related to tank filling activities.

No incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within or near Building 282.

Open Space

The open space covers approximately 95 percent of Parcel 186. In general, the open space is used for material storage, vehicle parking, outdoor repair activities, drum storage, equipment parking, and disposal. The ground surface of the open space is entirely paved with asphalt except for the service station dispensing area, which is paved with concrete. The pavement is in moderately good condition

Structures located within the open space include three CONEX boxes and a hazardous waste accumulation area. Two buildings (Building 556 - Sewage Lift Station; and an unknown building) were formerly located in this open space. The former location of Building 556 could not be determined during the site inspection. The other building was demolished in the 1970s. There is no information available regarding the purpose of this other building. Utilities located within and immediately surrounding the open space include sanitary sewer, steam, industrial sewer, storm sewer, water, fuel, and electrical lines.

Two automated fuel service stations are located in the open space; one is to the north and the other is to the west of Building 282. Fuel stains, measuring up to six feet in diameter, were observed on the concrete north of Building 282, in sizes up to six feet in diameter. These stains are believed to be due to releases of diesel and unleaded gasoline. The staining corresponds to the area involved in the RCRA Corrective Action site at this parcel. A transformer and a hazardous waste storage area are located in the southwest portion of the parcel. Site reviewers noted that the transformers in storage appeared old and may potentially contain PCBs. No staining was noted in this area. Next to this storage facility, reviewers noted the presence of a flammable storage cabinet. Typical staining associated with equipment parking is present in the equipment parking area. This area will not be sampled because the pavement on this parcel was noted by site inspectors to be in relatively good condition.

No incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within the open space.

Underground Storage Tanks

Two active underground storage tanks are east of Building 282 (Tanks 282-1 and 282-2). The presence of these tanks was identified from the EBS. Tanks 282-1 and 282-2 contain unleaded gasoline and diesel and have capacities of 5,000 gallons, each. These tanks passed an October 1991 tank and line test. The tanks and piping also passed precision tests in 1993 and 1994.

Parcel Boundary Conditions

Parcel 186 is bounded by Parcels 56, 58, 68, 69, and 185. Activities of concern on adjacent parcels include those in Building 6 (Parcel 68) related to vehicle repair and maintenance. Concerns also exist that

TABLE 6-186-1

Summary of Data Gaps
NAS Alameda Parcel 186

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 186.
Installation Restoration (IR) Sites	• Parcel 186 is located adjacent to IR Site 12 (Building 10) and less than 200 feet east of IR Site 5 (Building 5).
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• Two active USTs exist at this parcel (Tanks 282-1 and 282-2).

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-186-1

Summary of Data Gaps
NAS Alameda Parcel 186

Data Gap	Status/Description
Underground Utilities	• Sanitary sewer, industrial sewer, storm sewer, water, and electrical lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Parcel 186 may be impacted by the large volumes of petroleum products stored on Parcel 69.

No sampling is called for in this PEP in response to the nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 186, then additional sampling on Parcel 186 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes one RCRA site (SWMU/Unknown). This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, the RCRA site at this parcel requires further investigation.

The RCRA site is associated with contaminated soil at and north of Building 282, and has had known releases. The dimensions of the impacted soil area are unknown. The chemicals of concern associated with this site include petroleum products. This site is currently being investigated as part of the RCRA Corrective Action program, and thus does not require sampling under this PEP.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 186, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-186-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the

Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 186 because no industrial buildings are present.

Once the data gaps in Table 6-186-1 are addressed, Parcel 186 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel that are not being investigated under separate programs (e.g., RCRA site), no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological concerns, the impacts of the nearby and adjacent IR sites, and USTs must be resolved before this parcel can be leased or transferred.

SECTION 6-188

PARCEL 188 EVALUATION PLAN

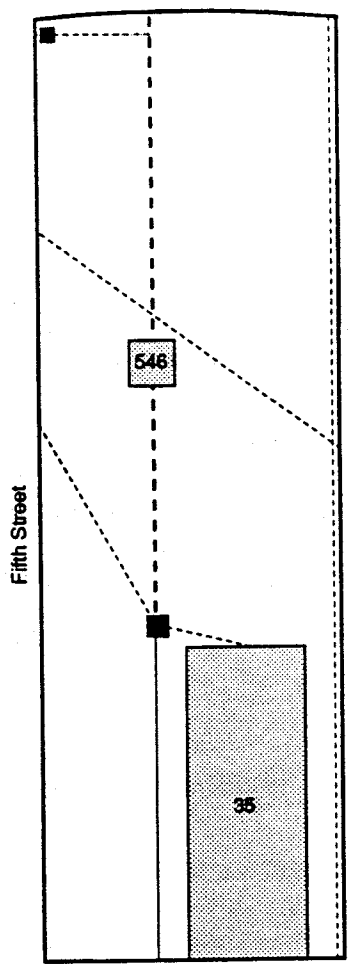
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 188 at NAS Alameda (Figure 6-188-1). The parcel is located in the central portion of the base, is approximately one-half acre in size, and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel may contain one RCRA site. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 188, historical activities are discussed below.

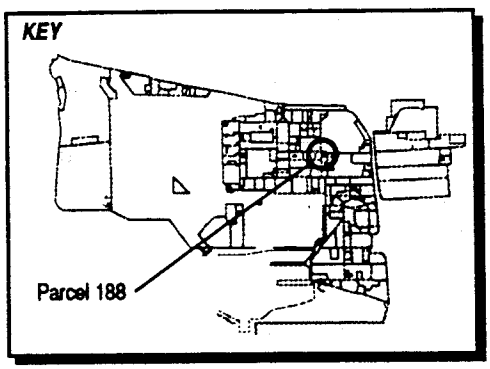
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 188, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 66, 67, 68, 69, 75, 76, 77, 78, 79, 82, 104, 105, 106, 107, 108, 109, 186, 189, 203, and 213. This parcel zone has been designated the Central Light Industrial Zone (Zone 13). The Central Light Industrial Zone encompasses the parcels that have laboratory, electronics, plating, and vehicle maintenance activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected





LEGEND

- Storm Sewer Line
- Sewer Line
- Sanitary Sewer Manhole
- Catch Basin

Note: *No screening-level sampling recommended for this parcel.*

1"=45'

Figure 6-188-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/06.30.94

for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 13.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Building 36 - Transmitter Building; and Building 546 - Bus Stop) cover approximately 20 percent of the parcel. The remaining 80 percent is open space. The parcel area is presently in use as a parking lot. Sewer lines are present on this parcel and are shown on Figure 6-188-1.

Parcel 188 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 188, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 35

Building 35 was constructed in 1940 and has served as a transmitter station (Figure 6-188-1). This one-story building covers approximately 2,800 square feet and is in fair condition. Building 35 is constructed of concrete with a wood roof.

Utilities located within and immediately surrounding Building 35 include underground sanitary sewer, storm sewer, and electrical lines. Information collected during the EBS indicates that this building has been used for communications and office activities.

General purpose cleaning chemicals are documented to have been stored and used in Building 35 during the site inspection. There are no spills or staining documented in this building.

Building 546

Building 546 was constructed in 1970 and serves as a bus stop (Figure 6-188-1). This one-story building covers approximately 80 square feet and is in good condition. Building 546 is constructed of glass and metal with a concrete floor. The space occupied by Building 546 was formerly a sidewalk. Utilities located within and immediately surrounding Building 546 include underground sanitary sewer, storm sewer, and electrical lines. No chemicals are stored or used in this building. No spills, staining, or other incidents are documented within this building.

Open Space

The open space covers approximately 80 percent of the parcel. The open space is 95 percent paved and five percent unpaved. Approximately 95 percent of the paved area is surfaced with asphalt and five percent is covered with concrete. The pavement is in fair condition. The unpaved areas of the open space are completely covered with grass and landscaping.

There are no structures located within the open space. There were no buildings formerly located here. Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, and electrical lines. EBS information indicates that the open space has been used for vehicle parking, roadway, and sidewalk.

No chemicals are documented to have been stored in or used in the open space. No spills or other incidents are documented within this open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 188 is bounded by Parcels 79, 98, 106, and 189. No activities of potential environmental concern were identified at these parcels.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites, consistent with objectives described in Section 1 of the Shell Workplan. One RCRA site (site number SWMU/GAP 14) may be located at this parcel. However, while this site is listed on Parcel 188, it is also listed in Building 130, which does not exist on this parcel. This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, this RCRA site does not require sampling because the location of the site could not be determined based on available records and EBS information (i.e., no GAP site was noted during the site inspection). There are no activities on this parcel that would suggest a GAP site is required on this parcel. A brief description of the RCRA site is provided below.

It is unknown whether any chemicals were released from Site SWMU/GAP 14. This site is composed of less than 100 milliliters of dilute pesticide and rinse solution. This is consistent with the uses of Building 130, and indicates that this site is actually located on Parcel 213.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 188, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-188-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 188 because no industrial buildings are present.

TABLE 6-188-1

Summary of Data Gaps
NAS Alameda Parcel 188

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 188.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 188.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-188-1

Summary of Data Gaps
NAS Alameda Parcel 188

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, and electrical lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

As noted earlier, Parcel 188 has open space areas that are landscaped/unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 188.

Once the data gaps in Table 6-188-1 are addressed, Parcel 188 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, and radiological concerns must be resolved before this parcel can be leased or transferred.

SECTION 6-189

PARCEL 189 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 189 at NAS Alameda (Figure 6-189-1). The parcel, which is located in the central portion of the base, is approximately one-half acre in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the sampling objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA site. One parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. Surface soil sampling will be used to accomplish the screening-level investigation. Table 6-189-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 189, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 189, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel were determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 66, 67, 68, 69, 75, 76, 77, 78, 79, 82, 104, 105, 106, 107, 108, 109, 186, 188, 203, and 213. This parcel zone has been designated the Central Light Industrial Zone (Zone 13). The Central Light Industrial Zone encompasses the parcels that have laboratory, electronics, plating, and vehicle maintenance activities. During the sampling program development,

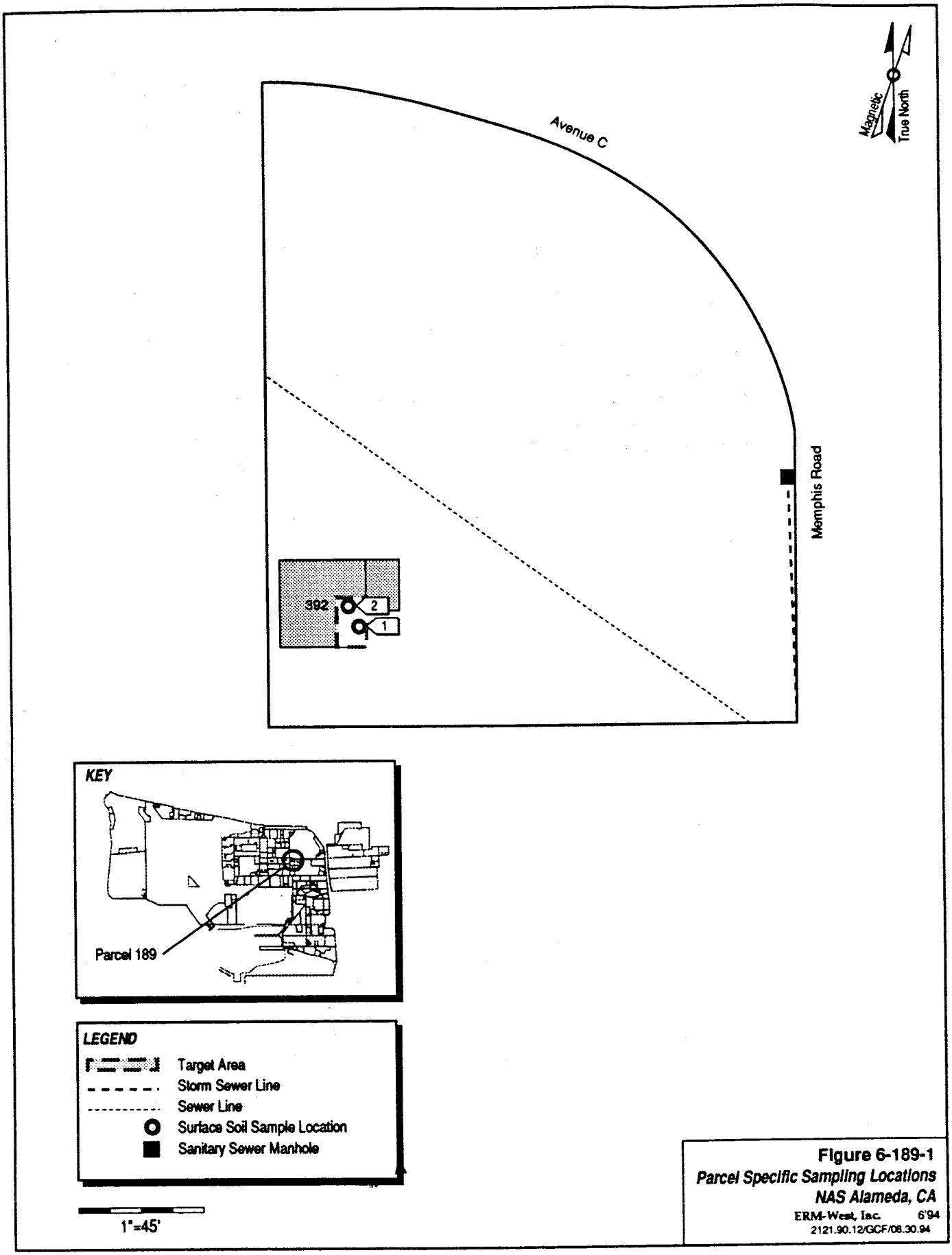


Figure 6-189-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/08.30.94

TABLE 6-189-1

Summary of Recommended Samples
NAS Alameda Parcel 189

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
189-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Diesel	TPH	Modified EPA 8015
189-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Diesel	TPH	Modified EPA 8015

the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 13.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 392) covers less than five percent of the parcel. The remaining area is open space. The parcel area is presently in use for vehicle parking. No buildings are documented to have formerly existed at this parcel. Sewer lines are present on this parcel and are shown on Figure 6-189-1.

Parcel 189 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 189, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 392

Building 392 was constructed in 1956 and housed a standby generator (Figure 6-189-1). This one-story building is constructed of concrete and is in fair condition. Building 392 covers approximately 240 square feet. The space occupied by Building 392 was formerly open space used for vehicle parking. Utilities located within and immediately surrounding Building 392 include sanitary sewer, storm sewer, and electrical lines. Information collected during the EBS indicates that activities conducted within this building were restricted to generator operations.

Fuels are documented to have been stored and used in Building 392 from 1956 to the present. Approximately 500 gallons of fuel were stored in the UST next to Building 392.

Diesel spills were documented and occurred periodically during the generator's existence. Minor quantities of diesel were apparently spilled onto concrete and the surfaces around the UST fill pipe and the generator pad, as evidenced by staining in these areas. No attempt to cleanup or remove the stains was noted during the site inspection. These spills appear to be diesel. The staining covers an area measuring approximately 10 feet by 10 feet. This staining is addressed by Target Area 1.

Open Space

The open space covers more than 95 percent of Parcel 189. The open space completely paved with asphalt. The pavement is generally in fair condition.

EBS information indicates that vehicle parking is the only activity conducted within this open space. No chemicals are documented to have been stored in or used at the open space. There are no spills, significant staining, or other incidents documented for this parcel.

Underground Storage Tanks

One underground storage tank was formerly near Building 392 (Tank 392-1). The former presence of this tank was identified from the EBS. Tank 392-1 was used to store unleaded gasoline and had a capacity of 500 gallons. The installation date of this tank is unknown. Based on the available information, Tank 392-1 passed a November 18, 1991 tank and line test prior to removal. This tank is being investigated under the RCRA closure plan.

Parcel Boundary Conditions

Parcel 189 is bounded by Parcels 98, 105, 106, and 188. No activities of particular environmental concern have been identified on these parcels.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel contains one RCRA site (the tank described in the UST section, above, that was removed under RCRA closure). This tank is being addressed as part of the UST

program. This tank has been removed, and any necessary investigation will be implemented as part of the UST program.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 189, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-189-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with USTs and sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 189 because no industrial buildings are present.

Once the data gaps in Table 6-189-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 189 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target area. No zone-wide target areas were identified on this parcel. This subsection of the PEP discusses the specific parcel target area. The nature and location of the parcel-specific target area were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Building 392): The soil underneath the heavily stained area around the generator will be sampled for TPH. The

TABLE 6-189-2

Summary of Data Gaps
NAS Alameda Parcel 189

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 189.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 189.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1 (Building 392).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• One UST formerly existed at Parcel 189 and has been removed (Tank 392-1).
Underground Utilities	• Storm sewer, sanitary sewer, and electrical lines identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-189-2

Summary of Data Gaps
NAS Alameda Parcel 189

Data Gap	Status/Description
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

area covers approximately 100 square feet and is classified as having a potential likelihood of environmental impacts, due to the fair condition of the pavement of this parcel. Two surface soil samples will be collected in this target area. The samples are listed in Table 6-189-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level investigation technique that will be used to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-189-1 summarizes the screening-level sampling and analysis recommended for the target area on Parcel 189. Two surface soil samples will be collected from the locations shown on Figure 6-189-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-203

PARCEL 203 EVALUATION PLAN

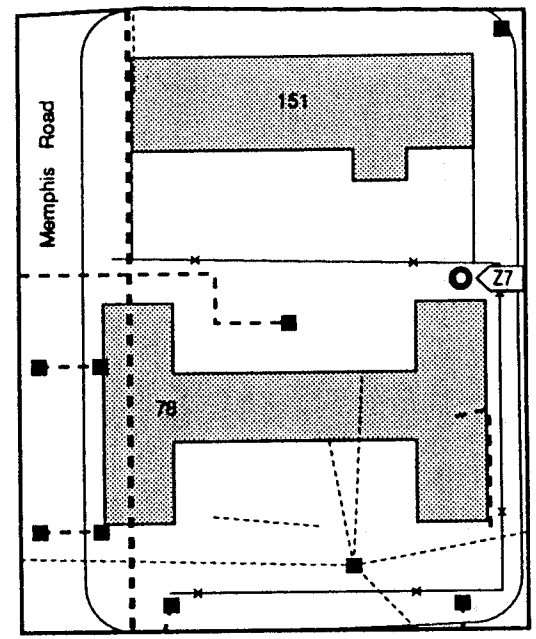
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 203 at NAS Alameda (Figure 6-203-1). The parcel, which is located in the northeastern portion of the base, is approximately two acres in size and is roughly square in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. Surface soil sampling will be used to accomplish the screening-level investigation. Table 6-203-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 203, historical activities are discussed below.

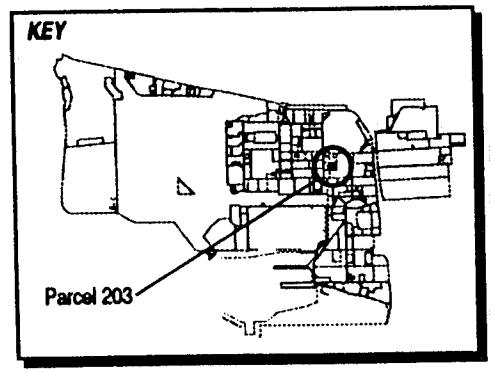
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 203, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 66, 67, 68, 69, 75, 76, 77, 78, 79, 82, 104, 105, 106, 107, 108, 109, 186, 188, 189, and 213. This parcel zone has been designated the Central Light Industrial Zone (Zone 13). The Central Light Industrial Zone encompasses the parcels that have laboratory, electronics, plating, and vehicle maintenance activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore,





LEGEND

- Steam Line
- Storm Sewer Line
- Sewer Line
- Capped
- Surface Soil Sample Location
- Catch Basin

1"= 90'

Magnetic
True North

Figure 6-203-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 794
2121.90.12/DS/07.13.94

TABLE 6-203-1

Summary of Recommended Samples
NAS Alameda Parcel 203

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z13-7-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 13 Target Area 2	Banned Pesticides	Pesticides	CLP RAS

future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 13.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was wetlands. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Buildings 78 and 151) cover approximately 40 percent of the parcel. The remaining 60 percent is open space. The parcel area is presently in use as support facilities for the two buildings. Underground steam and sewer lines are present on this parcel and are shown on Figure 6-203-1.

Parcel 203 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 203, and specific data regarding chemical occurrence at this parcel are not available

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 78

Building 78 was constructed in 1942 and serves as an administrative office (Figure 6-203-1). This building covers approximately 18,000 square feet and is in fair condition. Building 78 has a concrete foundation with a wood frame and wood ceilings. The structure has old tile floors; carpet covers sixty percent of this old tile.

Utilities located within and immediately surrounding Building 78 include sanitary sewer, storm sewer, steam, water, and overhead electrical lines. A generator used to be located in a shed at the southwest corner of the building; its panels are still present. It is unclear how the generator was fueled.

Information collected during the EBS indicates that activities conducted within this building included training. This building was primarily used as barracks or office space but its present use is as a mobile technical unit.

Corrosives and paint are documented to have been stored in the hazardous materials storage locker at the northwest corner of the building. Less than ten gallons were stored in the steel lockers at the time of visual inspections. The storage cabinets were not kept locked. An additional 200 gallons of nonhalogenated organics, metals, petroleum products, and corrosives are stored within Building 203. There is evidence that storage took place underneath the building; however, only empty wash buckets were observed during the site inspection.

Ten to twenty feet of corroded asphalt were observed on both sides of the boiler room during the site inspection. Peeling paint was also noted on Building 78. No incidents such as fires, mishaps, or flooding are documented to have occurred within or near Building 78

Building 151

Building 151 was constructed in 1944 and served as barracks (Figure 6-203-1). Building 151 is a semi-permanent structure that was condemned in 1989 after severe earthquake damage.

Utilities located within and immediately surrounding Building 151 include sanitary sewer, storm sewer, steam, water, and overhead electrical lines.

Information collected during the EBS indicates that activities conducted within this building included housing and schooling.

A concrete pad with a large number of inset pipes was evident adjacent to the south side of the building at the time of the site visit. The only indication of chemical releases in the area was a four-square foot paint spill on the concrete pad. This staining is minor and will not be sampled as part of this PEP.

No incidents such as fires, mishaps, or flooding are documented to have occurred within Building 151. However, the 1989 Loma Prieta Earthquake impacted this building considerably.

Open Space

The open space covers approximately 60 percent of Parcel 203. The ground surface has grass and shrub landscaping, concrete sidewalks, asphalt roadways, an asphalt basketball court, and bare soil.

There is no evidence of former buildings or structures within this open space. Utilities located within and immediately surrounding the open

space include sanitary sewer, storm sewer, steam, water, and overhead electrical lines.

EBS information indicates that this open space was used for vehicle parking and a basketball court.

There is no information regarding chemical use, release, or storage in conjunction with this open space. No incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

An unknown number of underground storage tanks may be present at this parcel, as evidenced by a large concrete pad with numerous pipeways and potential UST inlets observed during the site inspection.

Parcel Boundary Conditions

Parcel 203 is bounded by Parcels 103, 105, 107, and 108. No activities of potential environmental concern were identified at these parcels.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 203, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-203-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with USTs and sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program

TABLE 6-203-2

Summary of Data Gaps
NAS Alameda Parcel 203

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 203.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 203.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• Pesticides may have impacted the long-term landscaped areas on Parcels 104, 105, 109, and 203, that may be used as recreation areas by children living on adjacent Parcels 98 and 103.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-203-2

Summary of Data Gaps
NAS Alameda Parcel 203

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• USTs are potentially located within the open space.
Underground Utilities	• Storm sewer, sanitary sewer, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• Potential chemical storage in the basement of Building 203 should be verified or refuted.

presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 203 because no industrial buildings are present.

As noted earlier, Parcel 203 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling has been addressed as a zone-wide issue for four of the parcels located in Zone 13 (Parcels 104, 105, 109, and 203), because these parcels are located directly adjacent to a residential area. Limited pesticide sampling has been proposed to address any potential concerns regarding their future use resulting from their proximity to a residential area.

Once the data gaps in Table 6-203-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 203 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

One zone-wide target area was identified for Parcel 203. No parcel-specific target areas were identified for this parcel.

- Zone 13 Target Area 2 (Unpaved/Landscaped Areas): Based on historical aerial photographs, the unpaved open spaces of Zone 13 have been unpaved since 1940. Zone 13 Target Area 2 includes current and former unpaved areas within the Central Light Industrial Zone that are directly adjacent to family housing located on Parcels 98 and 103. Unpaved areas may have been impacted by pesticides that were used to suppress vegetation. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. A range of unpaved areas will be sampled to assess potential risk, if any from historical pesticide application. This target area is classified as having potential likelihood of impacts, and is identified because of the potential recreational use of portions of this zone by children living in the adjacent residential areas. One surface soil sample for pesticides

will be collected from the location shown on Figure 6-203-1. All samples to be collected in this zone-wide target area are listed in Table 6-Z13-1 and shown on Figure 6-Z13-1.

In addition, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, underground storage tanks, and radiological issues must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-213

PARCEL 213 EVALUATION PLAN

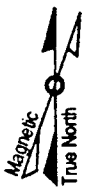
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 213 at NAS Alameda (Figure 6-213-1). The parcel is located in the north central portion of the base, is 0.4 acres in size, and is rectangular. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. One RCRA site may be located on this parcel. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 213, historical activities are discussed below.

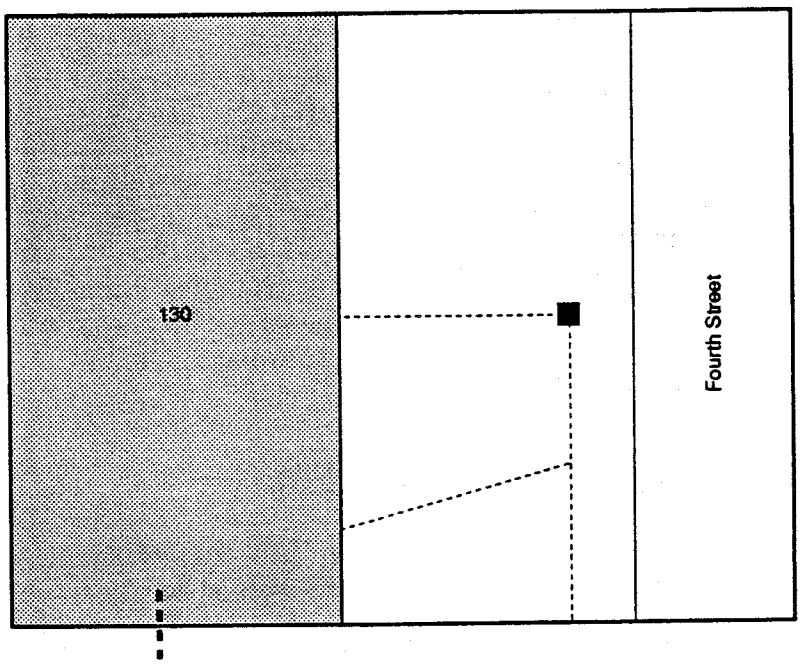
Background and Historical Activities

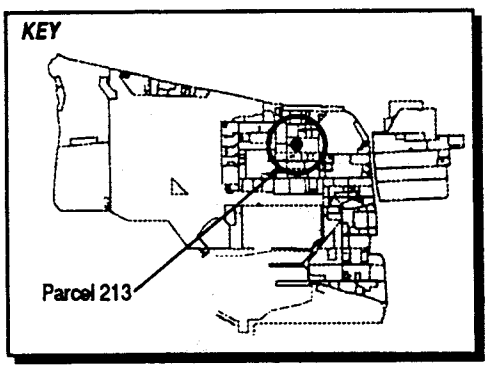
This subsection summarizes EBS information available for the building, open space, and boundaries of Parcel 213, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 66, 67, 68, 69, 75, 76, 77, 78, 79, 82, 104, 105, 106, 107, 108, 109, 186, 188, 189, and 203. This parcel zone has been designated the Central Light Industrial Zone (Zone 13). The Central Light Industrial Zone encompasses the parcels that have laboratory, electronics, plating, and vehicle maintenance activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 13.







LEGEND

- Steam Line
- Sewer Line
- Sanitary Sewer Manhole

Note: *No screening-level sampling recommended for this parcel.*

1" = 30'

Figure 6-213-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/07.08.94

Filling began in the area covered by this parcel in approximately 1935. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 130 - Offices and Insect Research Facility) covers approximately 40 percent of the parcel. The remainder (60 percent) is open space that is partially landscaped and partially paved. Underground steam and sewer lines are present on the parcel and are shown on Figure 6-213-1.

Parcel 213 is located 200 feet north of an Installation Restoration (IR) Program site (IR Site 8 - Building 114, PWC Shop). No previous investigations have been conducted at Parcel 213, and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental concern within the parcel open space and building are described below.

Building 130

Building 130 was constructed in approximately 1944. It currently houses offices, a laboratory, and an insect research facility. Records identify the building either as the environmental preventative medicine laboratory or the PWC vector control shop. This building covers approximately 10,000 square feet of the parcel and is in fair condition. Building 130 is a constructed of wood on a cinder block foundation.

Utilities located within and immediately surrounding Building 130 include underground sanitary sewer, storm sewer, water, steam, and electrical lines. A transformer is located on a concrete pad on the east side of Building 130. Two hazardous materials storage lockers were observed in the building. The lockers were not accessed during the site inspection. One pint of technical petroleum was observed to be stored on a shelf in the building. Limited quantities of pesticides are reportedly tested on insects raised in the building's insectary. The pesticides are not stored on Parcel 213. Insects raised in the insectary include exotic cockroaches and pests captured on Navy ships at NAS Alameda and abroad. No spills, staining, or incidents are documented in this building.

Open Space

The open space on the parcel is 50 percent paved with concrete sidewalks and asphalt roadways. The remaining 50 percent of the open space is landscaped with grass, bushes, and trees. The majority of the landscaped area of the open space has been continuously maintained since the early 1940s.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 213 is bounded by Fourth Street to the east. Across the street is Parcel 80 (Bachelor Officers' Quarters). Parcels 83 (Clinic), 207 (former Ambulance Garage), and 81 (Counseling Center) border Parcel 213 to the west, north, and south, respectively.

IR Site 8 (Building 114, PWC Shop) is located approximately 200 feet south of Parcel 213. Previous investigations at the IR site have detected VOCs and SVOCs in groundwater. Additional monitoring well installation and sampling are proposed by the IR contractor to further delineate the nature and extent of impacts from IR Site 8. No sampling is called for in this PEP in response to the nearby IR site. If the continuing investigation at the IR site reveals a cause for concern at this parcel, then additional sampling on Parcel 213 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. One RCRA site (site number SWMU/GAP 14) may be located at this parcel. This site is listed as being located on Parcel 188; however, it is also listed as being located in Building 130, which exists on Parcel 213. This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, this RCRA site does not require sampling because no staining was noted in Building 130. A brief description of the RCRA site is provided below.

It is unknown whether any chemicals were released from Site SWMU/GAP 14. This site is composed of less than 100 milliliters of dilute pesticide and rinse solution. This is consistent with the uses of Building 130, and indicates that this site is most likely located on Parcel 213.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 213, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-213-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 213 because no industrial buildings are present.

As noted earlier, Parcel 213 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 213.

Once the data gaps in Table 6-213-1 are addressed, Parcel 213 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-213-1

Summary of Data Gaps
NAS Alameda Parcel 213

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 213.
Installation Restoration (IR) Sites	• IR Site 8 (Building 114) is located approximately 200 feet south of Parcel 213. Additional subsurface investigation relative to IR Site 8 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-213-1

Summary of Data Gaps
NAS Alameda Parcel 213

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No underground or aboveground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological concerns, and impacts of the nearby IR site must be resolved before this parcel can be leased or transferred.

SECTION 6-Z14

ZONE 14 ANALYSIS PLAN

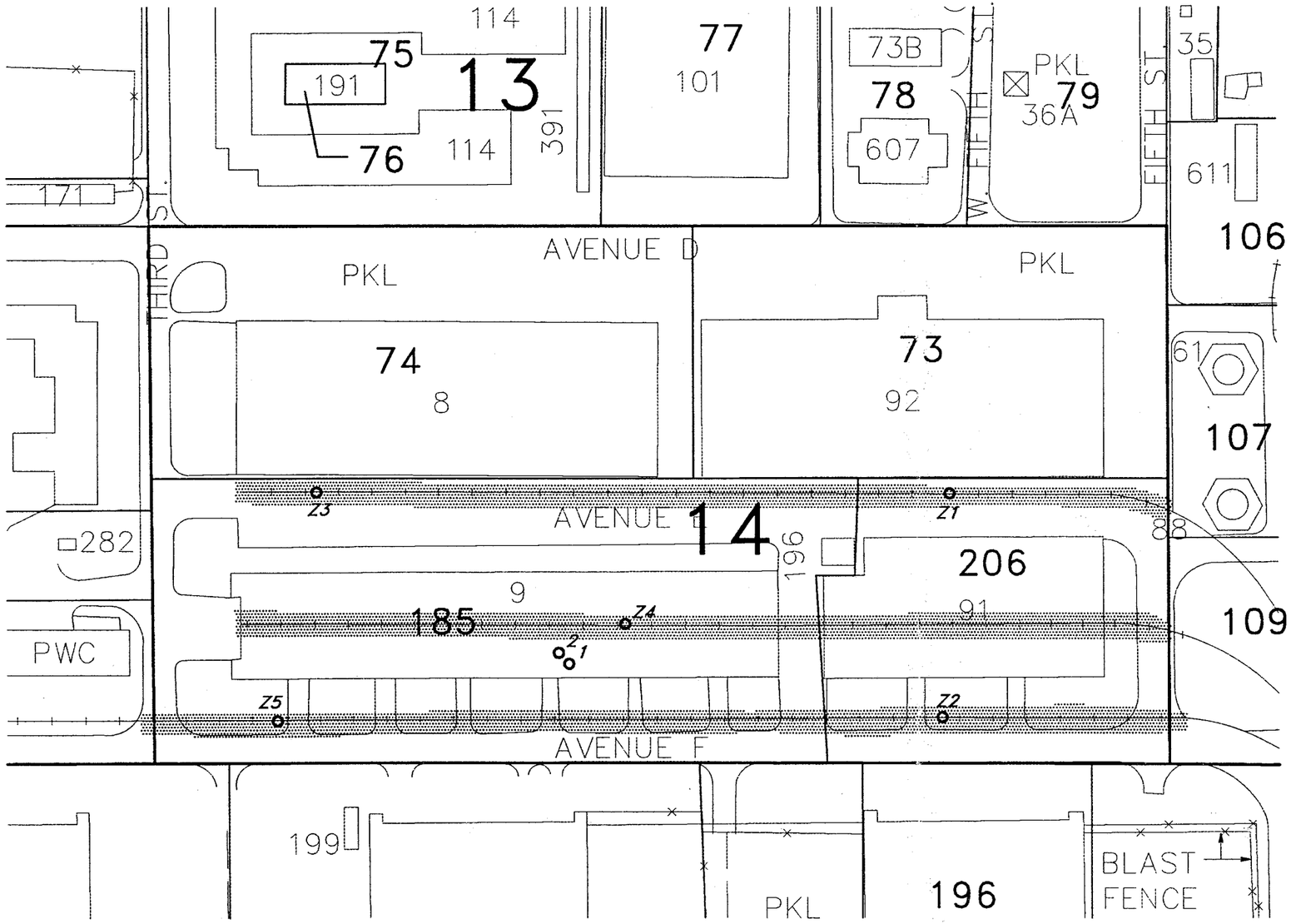
This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 14 at NAS Alameda (Figure 6-Z14-1). Zone 14 has been designated the Central Warehouse Zone and encompasses the parcels that are located in the warehouse area in the central part of the base. Zone 14 is comprised of Parcels 73, 74, 185, and 206. During the sampling program development, the parcels located in this zone were evaluated together. One zone-wide target investigation area (target area) and one parcel-specific target area have been identified in this zone. Surface soil sampling will be used to accomplish the screening-level investigation for this zone. Table 6-Z14-1 provides a list of samples and analyses prescribed for this zone, and Figure 6-Z14-1 illustrates all sample locations for the entire zone, including parcel-specific sampling. This zone evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 14, historical activities are discussed below.

Zone 14 Background and Historical Activities

This subsection briefly summarizes EBS information available for buildings, open spaces, and boundaries of Zone 14 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the Parcel Evaluation Plans (PEPs) for the parcels contained in this zone.

Past and present use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs (the non-intrusive investigation[1]). This information was used to determine areas on the zone where sampling

[1] The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.



LEGEND

1 o	ZONE BOUNDARY SURFACE SOIL SAMPLE & No.
	PAVED TRACKS IN LOADING AREAS

NOTES

Z1 – Z5 ZONE 14 TARGET AREA 1 (RAILROAD TRACKS)

SCALE IN FEET

150 0 150 300

1" = 150'

FINAL

5–19–95

FIGURE 4–Z14–1

NAVAL FACILITIES ENGINEERING COMMAND

NAVAL AIR STATION, ALAMEDA

ZONE 14

NOTE: FACILITIES AND/OR STRUCTURES SHOWN REFLECT THOSE ORIGINALLY PROVIDED TO ERM-WEST IN COMPUTER AIDED DESIGN (CAD) FORMAT AND MAY NOT BE CURRENT.

ERM

SIZE	ERM CAD IDENT. NO.	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS: PWC 17,627; 17,628; 17,630; 17,631; 17,627A; 17,629	
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SCALE	AS NOTED	DATE: 5.19.95/2121.97.10	SHEET 1 OF 1

TABLE 6-Z14-1

Summary of Recommended Samples
NAS Alameda Zone 14

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z14-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 14 Target Area 1	Creosote, Tie Tar, PCBs, Fuels, Oils	SVOCs, PCBs, Lead, TPH	EPA 8270, EPA 8080, ICAP Scan, Modified EPA 8015
Z14-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 14 Target Area 1	Creosote, Tie Tar, PCBs, Fuels, Oils	SVOCs, PCBs, Lead, TPH	EPA 8270, EPA 8080, ICAP Scan, Modified EPA 8015
Z14-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 14 Target Area 1	Creosote, Tie Tar, PCBs, Fuels, Oils	SVOCs, PCBs, Lead, TPH	EPA 8270, EPA 8080, ICAP Scan, Modified EPA 8015
Z14-3-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 14 Target Area 1	Creosote, Tie Tar, PCBs, Fuels, Oils	SVOCs, PCBs, Lead, TPH	CLP RAS, Modified EPA 8015
Z14-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 14 Target Area 1	Creosote, Tie Tar, PCBs, Fuels, Oils	SVOCs, PCBs, Lead, TPH	EPA 8270, EPA 8080, ICAP Scan, Modified EPA 8015
Z14-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 14 Target Area 1	Creosote, Tie Tar, PCBs, Fuels, Oils	SVOCs, PCBs, Lead, TPH	EPA 8270, EPA 8080, ICAP Scan, Modified EPA 8015

* This is the suggested location for the confirmation sample. The actual location will depend on field analytical results.

was deemed necessary to delineate potential impacts of compounds of concern.

Zone 14, the Central Warehouse Zone, encompasses four parcels that are used for warehousing materials. During the sampling program development, the parcels located in this zone were evaluated together to better address zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of specific parcel concerns is provided in the PEPs for individual parcels.

Filling began in the area covered by this zone in approximately 1930. Prior to this time, the zone area was completely inundated by San Francisco Bay. The zone was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, five buildings cover approximately 50 percent of the zone. The remaining 50 percent is open space. The zone area is presently in use as a warehousing area. No other buildings or structures were formerly located on the parcel.

Zone 14 is within 500 feet of three Installation Restoration (IR) Program sites: IR Site 6 (Building 41), IR Site 8 (Building 114), and IR Site 12 (Building 10). No previous investigations have been conducted at Zone 14, and specific data regarding chemical occurrence at this zone are not available.

Sewer and fuel lines present on this zone are illustrated in the individual PEP figures. Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns and asbestos-containing materials on Zone 14 will be addressed in other sampling programs and are not considered in this ZAP.

Underground Storage Tanks

The EBS indicates that one underground storage tank may exist at this zone on Parcel 206. No other information regarding the tank is available.

RCRA Sites

No RCRA sites are located in this zone.

Zone Boundary Conditions

Zone 14 is bounded by Zones 11 and 13. Activities of potential environmental concern on these adjacent zones include aircraft maintenance, fueling, and washdown on Zone 11, and various light industrial activities on Zone 13.

Zone Target Areas and Compounds of Concern

This zone contains one zone-wide target area and one parcel-specific target area. This subsection of the ZAP discusses the specific zone-wide target area and provides an overview of the parcel-specific target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this zone. Detailed information regarding the parcel-specific target area and the proposed sampling is provided in the PEPs for individual parcels. The nature and locations of the zone-wide and parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

Zone 14 Target Area

- Zone 14 Target Area 1 (Railroad Tracks): This target area includes paved railroad track areas within or adjacent to the Central Warehouse Zone that are current or former loading areas. Railroad tracks are located throughout the zone. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas for a total of five surface soil samples for this zone target area. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. The samples to be collected in this target area are listed in Table 6-Z14-1. The approximate sampling locations are shown on Figure 6-Z14-1.

  It should be noted that railroad track sampling will first be performed in the Housing Zone (Zone 16). If investigations there indicate that the potential releases of the compounds of concern are negligible, then the railroad track zone target area may be eliminated in this zone and other zones. Alternately, if the investigations in Zone 16 indicate that only certain compounds of concern are actually associated with the railroad tracks, then

sampling may be modified to analyze for the more limited suite of the compounds of concern, only.

Parcel 73 Target Areas

- No parcel-specific target areas were identified at this parcel.

Parcel 74 Target Area

- No parcel-specific target areas were identified at this parcel.

Parcel 185 Target Areas

- Target Area 1 (Portion of Building 9): The soil beneath the waste oil accumulation area in the maintenance area near the middle of the building may have been impacted by spills or leakage of waste oil. The compounds of concern in this area include TPH and metals. This target area covers less than 1,000 square feet and has been classified as having a potential likelihood of impacts. Two surface soil samples will be collected in this target area.

Parcel 206 Target Area

- No parcel-specific target areas were identified at this parcel.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level technique that will be employed to assess conditions in the zone and parcel-specific target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-Z14-1 summarizes screening-level sampling and analysis for the zone-wide target area. Two parcel-specific surface soil samples and five zone-wide surface soil samples will be collected from the locations shown on Figure 6-Z14-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the zone areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: subsurface Geoprobe soil sampling (SOP 14), soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-73

PARCEL 73 EVALUATION PLAN

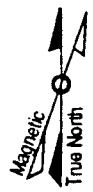
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 73 at NAS Alameda (Figure 6-73-1). The parcel is located in the central portion of the base, is approximately four acres in size, and is rectangular in shape. The parcel has been classified as requiring low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 73, historical activities are discussed below.

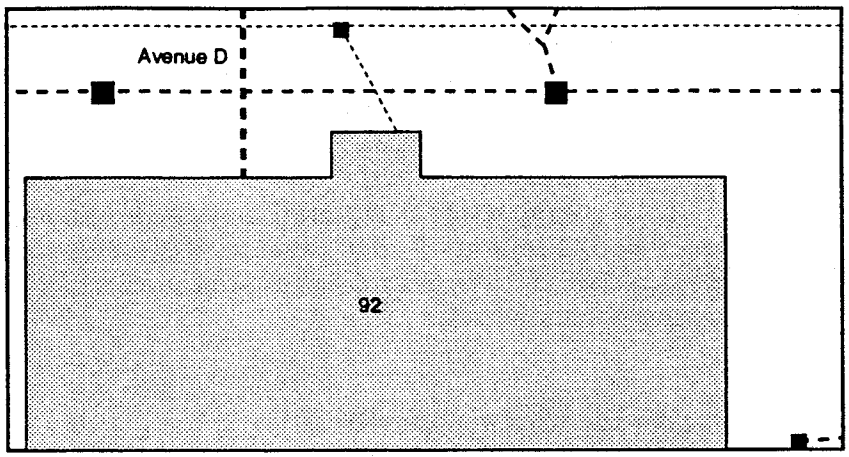
Background and Historical Activities

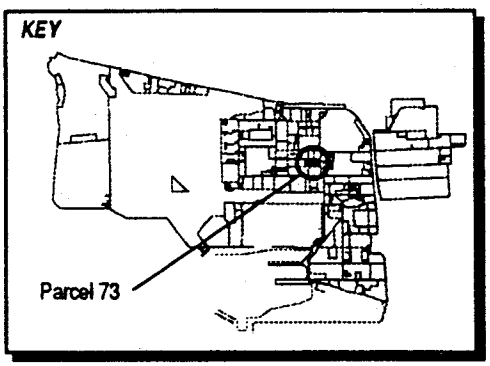
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 73, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

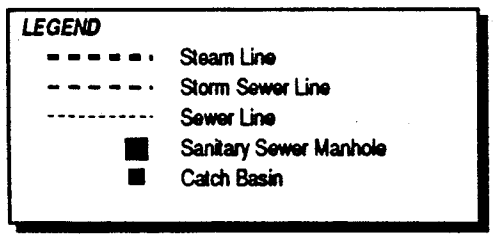
Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 74, 185, and 206. This parcel zone has been designated the Central Warehouse Zone (Zone 14). The Central Warehouse Zone encompasses the parcels that are or were formerly used as a warehouse area. During the sampling program development, the parcels located in this zone were evaluated together. While no sampling has been proposed at this parcel, sampling results from adjacent parcels within the zone should be considered during future evaluations. However, other data gaps remain for this parcel. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 14.









1"= 125'

Figure 6-73-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/08.28.94

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 92) covers approximately 55 percent of the parcel. The remaining 45 percent is open space. The parcel area is presently in use as a general warehouse and supporting facilities. No other buildings appear to have historically existed on Parcel 73. Sewer lines are present on this parcel and are shown on Figure 6-73-1.

Parcel 73 is located approximately 400 feet north of Installation Restoration (IR) Program Site 6 (Building 41) and 300 feet southeast of IR Site 8 (Building 114). No previous investigations have been conducted at Parcel 73, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 92

Building 92 was constructed in 1942 and, according to available documents, has always served as a warehouse (Figure 6-73-1). This building is in good condition. Building 92 is constructed of wood with a concrete floor and wood-construction roof, and covers approximately 89,000 square feet. Utilities located within and immediately surrounding Building 92 include underground sanitary sewer, storm sewer, steam, water, and electrical lines.

Available documents do not include any information indicating the storage of chemicals in this building, and anecdotal reports indicate that the building warehoused "clean" (i.e., non-chemical) materials. The building is currently used to store avionics parts.

Site reviewers noted white and black staining in the north central area of the building near offices that appeared to be the result of spillage of a corrosive material. The spill/overflow occurred on a concrete surface and resulted in etching of the concrete. Staining from forklift operations was also documented during the site inspection. Approximately 20 percent of the entire floor area was covered with

scattered brown-black oily stains two to three inches in diameter that appeared to result from ongoing forklift operation. These areas of staining are relatively minor on concrete in good condition, and will not be sampled.

A heating-ventilation-air conditioning (HVAC) system is not documented to be present in Building 92. Significant dust was noted in the building during visual inspections. Site inspections also revealed considerable roof leaks, and peeling paint on the exterior and interior walls of Building 92. The steam lines have insulation that is in poor condition in some areas, and piping in the building is coated with materials potentially containing asbestos. No incidents, such as fires, mishaps, flooding, or crashes are documented to have occurred within Building 92.

Open Space

The open space covers approximately 45 percent of the parcel. The open space is completely paved and is primarily used for vehicle parking. The pavement is in good condition. Utilities located within and immediately surrounding the open space include sanitary sewer, storm sewer, steam, water, and electrical lines.

No chemical storage is documented to have occurred in the open space of Parcel 73. One transformer was noted east of Building 92. No spills were documented in the open space, and staining is limited to that related to vehicle parking.

No other incidents, such as fires, mishaps, or flooding are documented to have occurred within the open space. Railroad tracks run near the southern parcel boundary, but are located within Parcel 206.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 73 is bounded by Parcels 77, 78, 79, 106, 107, 185, 206, and 74. The storage facility on Parcel 206 was identified as an area of potential concern.

No parcels contiguous with Parcel 73 are IR sites, therefore, no sampling is called for in this PEP in response to the two nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 73, then additional sampling on Parcel 73 may be appropriate.

RCRA Sites

This parcel contains no RCRA sites.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 73, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-73-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 73 because no industrial buildings are present.

Once the data gaps in Table 6-73-1 are addressed, Parcel 73 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-73-1

Summary of Data Gaps
NAS Alameda Parcel 73

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 73.
Installation Restoration (IR) Sites	• Parcel 73 is located approximately 400 feet north of IR Program Site 6 (Building 41) and 300 feet southeast of IR Site 8 (Building 114).
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program. LBP was noted by site reviewers as a potential issue at this parcel.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-73-1

Summary of Data Gaps
NAS Alameda Parcel 73

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified at this parcel. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological concerns, and impacts of the nearby IR sites must be resolved before this parcel can be leased or transferred.

SECTION 6-74

PARCEL 74 EVALUATION PLAN

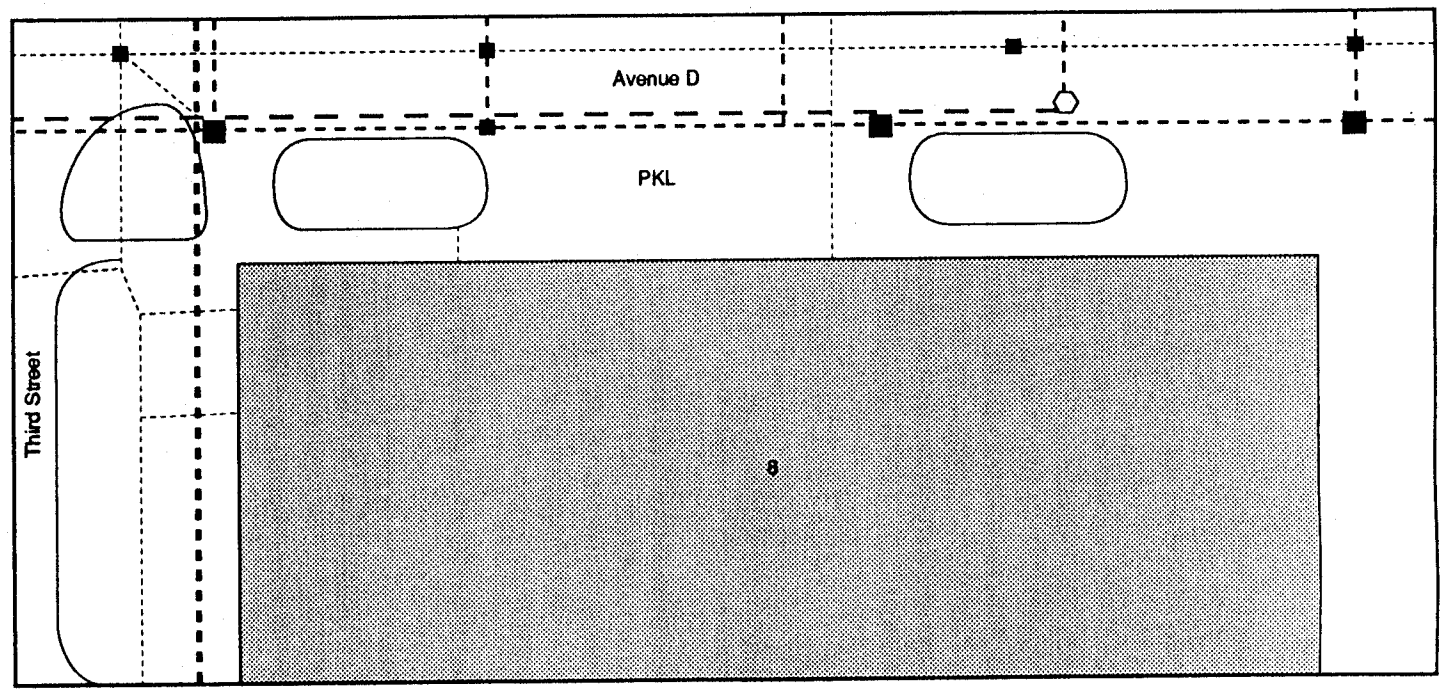
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 74 at NAS Alameda (Figure 6-74-1). The parcel is located in the central portion of the base, is approximately nine acres in size, and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 74, historical activities are discussed below.

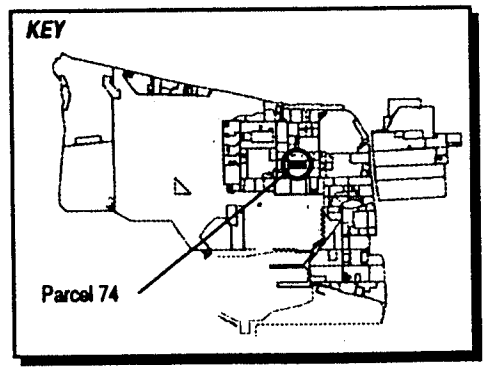
Background and Historical Activities

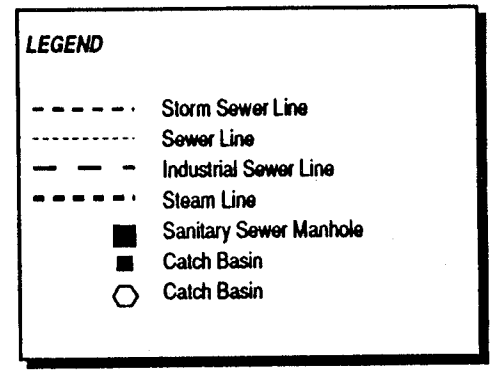
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 74, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 73, 185, and 206. This parcel zone has been designated the Central Warehouse Zone (Zone 14). The Central Warehouse Zone encompasses the parcels that are or were formerly used as a warehouse area. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Other data gaps also remain for this parcel and other parcels in this zone. Zone-wide







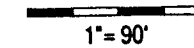


Figure 6-7-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 794
2121.90.11/GCF/06.28.94

considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 14.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 8) covers approximately 75 percent of the parcel. The remaining 25 percent is open space. The parcel area is presently in use as a warehouse area. No other buildings or structures were formerly located on the parcel. Sewer lines are present on this parcel and are shown on Figure 6-74-1.

Parcel 74 is located adjacent to Installation Restoration (IR) Program Site 8 (Building 114), and 400 feet northwest of IR Site 6 (Building 41). No previous investigations have been conducted at Parcel 74, and specific data regarding chemical occurrence at this parcel are not available. Railroad tracks are located near the southern boundary of Parcel 74 with Parcel 185, but are located completely within Parcel 185.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 8

Building 8 was constructed in 1940 and has served as a general warehouse since that time (Figure 6-74-1). This building is in fair condition. Building 8 is a three-story building constructed of concrete, with wood exterior siding and built-up roofing; it covers approximately 282,000 square feet.

Utilities located within and immediately surrounding Building 8 include underground sanitary sewer, storm sewer, steam, water, electrical, and industrial sewer lines. Several transformers are documented to have been used in Building 8; thirteen are currently located in Vault B in the southern portion of the building. (The vault entry is located outside the building). Leakage from the top of at least one transformer was noted, and PCB-containing transformers have been used in Building 8.

The Navy Regional Data Automation Center (NARDAC) section of Building 8 has a tile floor and a drop ceiling and is located on the first floor. Sections of the second and third floors of Building 8 comprise the Defense Logistics Area (DLA). The DLA is used for packaging airplane parts. A conveyor system is located on the second floor in the DLA.

A portion of Building 8 serves as an administrative office and was formerly a warehouse for the NAS Alameda Command. The NAS Alameda Command warehouse was used to store aircraft and dry parts. A former print shop was located in the NAS Alameda Command area. A sink present in the former print shop was used for microfiche processing. Processing chemicals may have been flushed or rinsed down the sink. The NAS Alameda Command area has damaged ceiling tiles, which may contain asbestos, and significantly decayed wall surfaces.

Approximately 400 gallons of polymeric isocyanate urethane foam resin, adhesive, and urethane foam resin were observed in the DLA area. Foam resin is stored in original large, plastic containers. Expired yellow fever vaccine is stored on the third floor in the DLA.

The NTCC area of Building 8 houses the communication for the entire base. Hazardous waste was formerly stored here in a hazardous waste cabinet. All hazardous wastes are currently sent to a controlled accumulation area.

Chemicals stored in the southeast portion Building 8 on the first floor include aerosols, corrosion preventatives, adhesives, enamels, and sodium hydroxide. All of these are stored on pallets, in either metal containers or cardboard boxes. The total quantity of these stored chemicals is approximately 160 gallons. Radionucleides were noted to be stored in this area during the site inspection as well. They were reportedly pending shipment to Oakland. The type(s) of radionucleides present could not be determined from the packaging. A total chemical inventory for Building 8 dated 1993 lists paint, non-halogenated and halogenated organic compounds, petroleum products, fuel, and corrosives present in quantities up to 550,000 gallons. Because only a small fraction of this quantity was noted during the site inspection, this number likely reflects the yearly authorized capacity of the building, and not actual inventories.

Evidence of polymer or urethane spillage (a two foot by two foot stain) was noted during the site inspection in the DLA. Drips, leaks, and overflow of oil and battery fluid also caused staining in the DLA on the second floor. Staining was also noted near the conveyor belt and air compressor in this area of the second floor. Site reviewers noted

scattered oil staining in the vicinity of the forklift recharging units. Kitty litter/sand was spread across the these stains during visual inspections as a partial clean up measure. Since the only staining noted in this building occurred on the upper floors, no sampling is called for in this PEP in response to the staining. No incidents, such as fires, mishaps, flooding, or crashes are documented to have occurred within Building 8.

Open Space

The open space covers approximately 25 percent of the parcel. The ground surface of the open space contains both paved and landscaped areas. The paved areas contain a mix of asphalt and concrete pavement. The north and east areas of the open space are paved, and the western area (approximately five percent of the parcel area) is covered with grass. The pavement is generally in moderately good condition. Utilities located within and immediately surrounding Building 8 include underground sanitary sewer, storm sewer, steam, water, electrical, and industrial sewer lines.

EBS information indicates that activities conducted within this open space include material storage, and equipment and vehicle parking. A receiving area is located on the north side of Building 8. A diesel fuel storage area exists outside of the southeast corner of Building 8. The fuel is held in a large metal, rectangular container, and is used to fuel a back-up generator located on the concrete dock. Approximately 100 gallons of diesel fuel are stored here. Stains were observed on the concrete around the storage area, and outside the southeast corner of Building 8. This stained area is addressed by Target Area 1. One spill of oily wastewater and detergent was noted by site reviewers on Third Street, next to the north driveway for Building 6. This spill is minor and is not addressed by sampling.

No other incidents are documented to have occurred within this open space. Railroad tracks lie near the southern border of parcel 74, but are located on Parcel 185.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 74 is bounded by Parcels 75, 68, 73, and 185. Parcel 75 is IR Site 8 (Building 114). Activities of concern on these adjacent parcels include warehouse activities on Parcels 73 and 185, fuel storage on Parcel 68, and PWC shop activities and storage of pesticides on Parcel 75. Third Street borders Parcel 74 to the west. If the results of any sampling proposed for adjacent parcels indicates that activities on these parcels may have impacted Parcel 74, then additional sampling on Parcel 74 may be appropriate.

RCRA Sites

This parcel contains no RCRA sites.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 74, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-74-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 74 because no industrial buildings are present.

As noted earlier, Parcel 74 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use

TABLE 6-74-1

Summary of Data Gaps
NAS Alameda Parcel 74

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 74.
Installation Restoration (IR) Sites	• Parcel 74 is located adjacent to IR Program Site 8 (Building 114) • Parcel 74 is located 400 feet northwest of IR Site 6 (Building 41).
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-74-1

Summary of Data Gaps
NAS Alameda Parcel 74

Data Gap	Status/Description
Underground Utilities	• Sanitary sewer, storm sewer, water, electrical, and industrial sewer lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 74.

Once the data gaps in Table 6-74-1 are addressed, Parcel 74 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, IR Sites, and radiological issues must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-185

PARCEL 185 EVALUATION PLAN

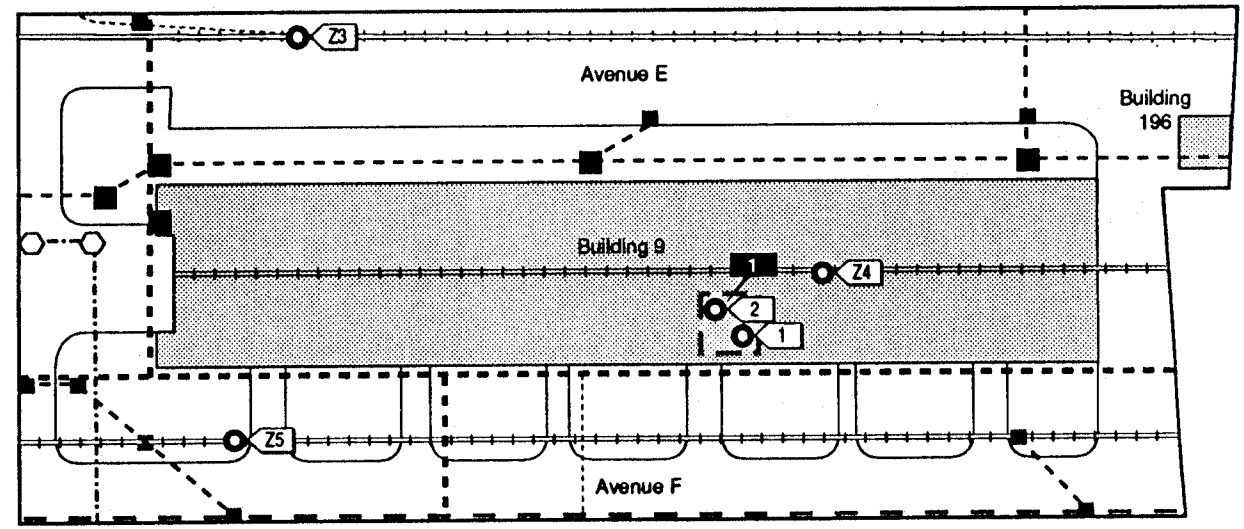
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 185 at NAS Alameda (Figure 6-185-1). The parcel, which is located in the central portion of the base, is approximately seven acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One parcel-specific and one zone-wide target investigation areas (target areas) have been identified on this parcel. Surface soil sampling is the procedure called for in the screening-level investigation in these areas. Table 6-185-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 185, historical activities are discussed below.

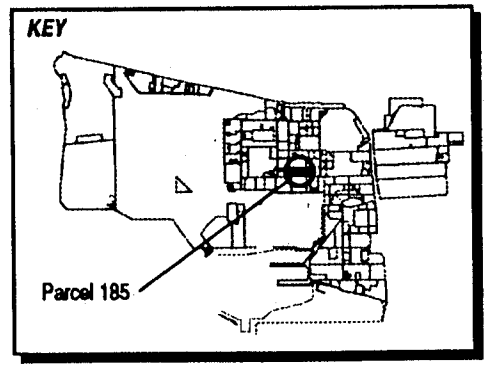
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 185, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 73, 74, and 206. This parcel zone has been designated the Central Warehouse Zone (Zone 14). The Central Warehouse Zone encompasses the parcels that are or were formerly used as a warehouse area. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should





LEGEND

- Target Area 1
- Industrial Waste Line
- Steam Line
- Storm Sewer Line
- Sewer Line
- Fuel Lines Abandoned
- Surface Soil Sample Location
- Sanitary Sewer Manhole
- Catch Basin
- Catch Basin

1"= 125'

Figure 6-185-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7/94
2121.90.11/GCF/06.28.94

TABLE 6-185-1

Summary of Recommended Samples
NAS Alameda Parcel 185

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
185-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Waste Oil	TPH, Metals	Modified EPA 8015, ICAP Scan
185-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Waste Oil	TPH, Metals	Mod.EPA 8015, CLP RAS
185-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Waste Oil	TPH, Metals	Modified EPA 8015, ICAP Scan
Z14-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 14 Target Area 1	Creosote, Tie Tar, PCBs, Fuels, Oils	SVOCs, PCBs, Lead, TPH	EPA 8270, EPA 8080, ICAP Scan, Modified EPA 8015
Z14-3-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 14 Target Area 1	Creosote, Tie Tar, PCBs, Fuels, Oils	SVOCs, PCBs, Lead, TPH	CLP RAS, Modified EPA 8015
Z14-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 14 Target Area 1	Creosote, Tie Tar, PCBs, Fuels, Oils	SVOCs, PCBs, Lead, TPH	EPA 8270, EPA 8080, ICAP Scan, Modified EPA 8015
Z14-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 14 Target Area 1	Creosote, Tie Tar, PCBs, Fuels, Oils	SVOCs, PCBs, Lead, TPH	EPA 8270, EPA 8080, ICAP Scan, Modified EPA 8015

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

consider the data collected for the entire zone. Other data gaps also remain for this parcel and other parcels in this zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 14.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Buildings 9 and 196) cover approximately 40 percent of the parcel. The remaining 60 percent is open space. The parcel area is presently in use as a general warehouse and supporting facilities. Available documents indicate that no other buildings were ever located on this parcel. Sewer lines are present on this parcel and are shown on Figure 6-185-1.

Parcel 185 is located adjacent to Installation Restoration (IR) Program Site 12 (Building 10), approximately 100 feet northwest of IR Site 6 (Building 41), and approximately 300 feet south of IR Site 8 (Building 114). No previous investigations have been conducted at Parcel 185, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 9

Building 9 was constructed in 1940 and has served as a general warehouse (Figure 6-185-1) since that time. This building is in fair condition. Building 9 is constructed of a steel frame with plastic siding and a concrete floor; it covers approximately 120,000 square feet. Utilities located within and immediately surrounding Building 9 include underground storm sewer, steam, water, electrical, industrial sewer, and abandoned fuel lines.

Available EBS information indicates that activities conducted within this building have included general storage, maintenance, and aircraft storage. The eastern portion of the building is currently used as office space and the western portion is used as a storage/processing area for

aircraft parts. The storage area has multi-level racks used to store goods, and the north side of the building is open-sided to allow storage of large, bulky items. Tracks for a material retrieval system run along the east-west length of the building. Electric-powered cabs run along the rail and retrieve and place inventory.

Small amounts (less than 10 gallons) of paint, bleach, and floor finish are documented to have been stored on the ground of Building 9. Lubricating oil (less than 20 gallons) for the cabs of the storage retrieval system is stored in the maintenance area near the middle of the building. Less than ten gallons of used lubricating oil was stored in Building 9 during the site inspection. The stored oil is an accumulation of used oil collected in drip pans attached under the conveyor belt motors. The ground surface in the waste oil storage area was heavily stained at the time of the site inspection. Site reviewers also observed cracks and openings in the foundation of Building 9. This stained area is addressed by Target Area 1. The areas under the drip pans on the conveyor belt appeared relatively stain-free.

Several oily stains were noted along the wall in the northeast corner adjacent to the air compressor. The stains did not appear to site reviewers to be associated with the compressor, and were relatively minor. A yellowish-white stain was noted in the area adjacent to the forklifts, approximately three feet in diameter. Oily stains exist along the entire length of all eight cab rails in Building 9. These stains area addressed as part of the zone-wide railroad track target area. The stains are most likely due to leaks of lubricating oils, transmission fluid and/or hydraulic oil. None of the chemical releases in this building appeared to have been cleaned up.

Significant dust was noted on interior surfaces and paint was peeling off of the exterior surfaces of the building. Several transformers of both known and unknown PCB classification are documented to have been stored in Building 9. Only one transformer of unknown PCB classification was noted during the site inspection. It was located in a covered storage bay on the north side of the building. No incidents, such as fires, mishaps, flooding, or crashes, are documented to have occurred within Building 9. Radioactive materials and ordnance are reported to have formerly been stored along the north edge of Building 9.

Building 196

Building 196 was constructed in 1943 and served as a storage area for flammable substances (Figure 6-185-1). This building is in fair condition. Building 196 has metal walls and roofing and a concrete

floor, and covers approximately 1,000 square feet. Utilities located within and immediately surrounding Building 196 include underground storm sewer, steam, water, electrical, and industrial sewer lines.

Information collected during the EBS indicates that activities conducted within this building included hazardous and flammable materials storage. Site reviewers were unable to enter the building; the doors were locked. Employee interviews indicated that the building currently houses oil for forklifts. According to the employee interviews, two to three 55-gallon drums of oil are stored in Building 196.

No information is available regarding the presence of a heating-ventilation-air conditioning (HVAC) system in Building 196. No incidents, such as fires, mishaps, flooding, or crashes, are documented to have occurred within Building 196.

Open Space

The open space covers approximately 60 percent of the parcel, and is completely paved with concrete and asphalt. The pavement is in moderately good condition.

Two oil-filled electrical switches and one dry transformer are located within the open space. No former buildings appear to have previously existed within the open space. Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines.

EBS information indicates that activities conducted within this open space have included material storage and vehicle parking. Railroad tracks run east-west through the parcel on both the north and south sides of Building 9.

No chemical storage or spills are documented to have occurred in the open space of Parcel 185. A blue stain was noted in the northwest area near the loading area for Building 8 that was thought by site reviewers to be the result of a minor paint spill or overspray.

No incidents, such as fires, mishaps, flooding, or crashes are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel. Two active and five abandoned tanks are located within 100 feet of Parcel 185 on adjacent parcels.

Parcel Boundary Conditions

Parcel 185 is bounded by Parcels 68, 186, 69, 70, 195, 74, 73, 206, and 71. Parcel 69 is IR Site 12 (Building 10). Activities of concern on adjacent parcels include materials storage on Parcels 73, 74, and 206; fuel storage and dispensing on Parcels 68, 186 and 69; and aircraft maintenance, fueling, and washdown on Parcels 70, 71, and 195. Surface and subsurface soil samples collected at IR Site 12 as part of previous investigations detected high levels of TPH, and known releases of fuels have occurred on Parcel 186. Avenues E and F border Parcel 185 to the north and south, respectively.

RCRA Sites

This parcel contains no RCRA sites.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 185, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-185-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with abandoned fuel lines and sewer lines are also addressed separately. Sampling associated with sewer and abandoned fuel lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other

TABLE 6-185-2

Summary of Data Gaps
NAS Alameda Parcel 185

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 185.
Installation Restoration (IR) Sites	• Parcel 185 is located adjacent to IR Program Site 12 (Building 10). • Parcel 185 is located approximately 100 feet northwest of IR Site 6 (Building 41). • Parcel 185 is located approximately 300 feet south of IR Site 8 (Building 114).
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• West Parcel Boundary: The soil on the west side of Parcel 185 may have been impacted by spills or leakage of petroleum products stored and dispensed on Parcels 69 and 186.
Potential Zone-Wide Release Areas	• Paved Railroad Tracks in Loading Areas.
Potential Parcel-Specific Release Areas	• Target Area 1 (Portion of Building 9)
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-185-2

Summary of Data Gaps
NAS Alameda Parcel 185

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Sanitary sewer, storm sewer, water, electrical, and industrial sewer lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Abandoned fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 185 because no industrial buildings are present.

Once the data gaps in Table 6-185-2 are addressed, and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 185 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP discusses the specific parcel target area and provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 14. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following target areas were identified based on the potential release areas described above and listed in Table 6-185-2.

- Target Area 1 (Portion of Building 9): The soil beneath the waste oil accumulation area in the maintenance area near the middle of the building may have been impacted by spills or leakage of waste oil, as evidenced by staining in this area. The compounds of concern in this area include TPH and metals. This target area covers less than 1,000 square feet and has been classified as having a potential likelihood of impacts. Two surface soil samples will be collected from this target area. The samples are listed in Table 6-185-1.

- Zone 14 Target Area 1 (Railroad Tracks): This target area includes current and former railroad track areas within or adjacent to the Central Warehouse Zone that have been used as loading areas. Railroad tracks are located in the northern, central, and southern portions of the parcel. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas. Three of the five surface soil samples for this zone target area are located on

this parcel. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. The samples to be collected in this target area are listed in Table 6-185-1. The approximate sampling locations are shown on Figure 6-185-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level technique that will be employed to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-185-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 185. Two surface soil samples will be collected from the parcel-specific locations shown on Figure 6-185-1. Three surface soil samples will be collected from the zone-wide location as shown on Figure 6-185-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

The site-specific conditions at Target Area 1 results in a density of field surface soil samples equal to the protocol standard. Soil sampling locations shown on Figure 6-185-1 are approximate and should be adjusted in the field to reflect specific field conditions. The samples in Target Area 1 should be located in the areas with the most significant staining.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: subsurface Geoprobe soil sampling (SOP 14), soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-206

PARCEL 206 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 206 at NAS Alameda (Figure 6-206-1). The parcel is located in the central portion of the base, is approximately three acres in size, and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One zone-wide target investigation area (target area) and no parcel-specific target areas have been identified on this parcel. Surface soil sampling is the procedure called for in the screening-level investigation in these areas. Table 6-206-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 206, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 206, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 73, 74, and 185. This parcel zone has been designated the Central Warehouse Zone (Zone 14). The Central Warehouse Zone encompasses the parcels that are or were formerly used as a warehouse area. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should

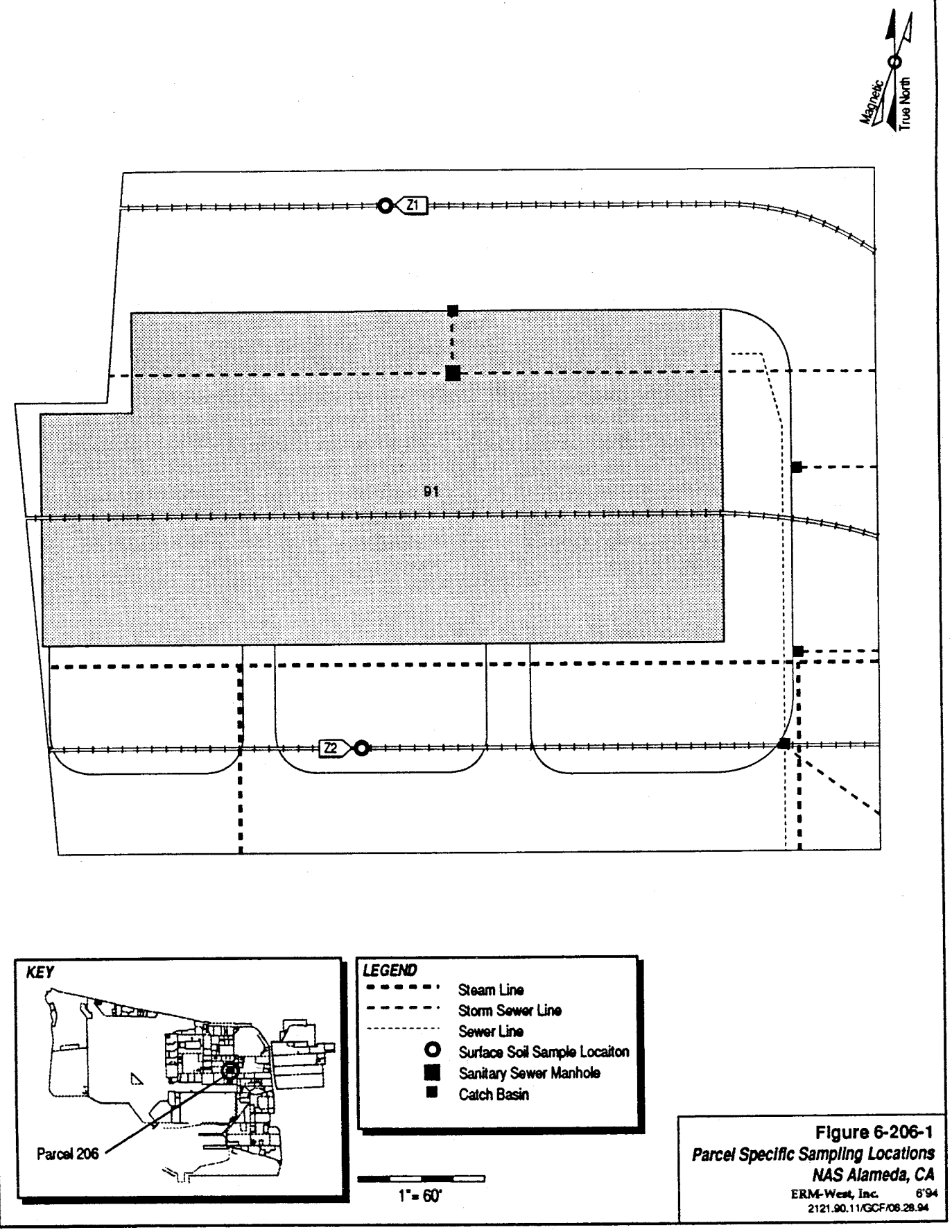


Figure 6-206-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6/94
2121.90.11/GCF/06.28.94

TABLE 6-206-1

Summary of Recommended Samples
NAS Alameda Parcel 206

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z14-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 14 Target Area 1	Fuels, Oils, PCBs, Creosote, Tie Tar	Lead, TPH, PCBs, SVOCs	ICAP Scan, Mocified EPA 8015, EPA 8080, EPA 8270
Z14-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 14 Target Area 1	Fuels, Oils, PCBs, Creosote, Tie Tar	Lead, TPH, PCBs, SVOCs	ICAP Scan, Mocified EPA 8015, EPA 8080, EPA 8270

consider the data collected for the entire zone. Other data gaps also remain for this parcel and other parcels in this zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 14.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 91) covers approximately 40 percent of the parcel. The remaining 60 percent is open space. The parcel area is presently in use as a storage and transfer area for aviation parts. There is no available documentation regarding the presence of former buildings or structures on Parcel 206. Underground abandoned fuel lines and sewer lines are present on this parcel and are shown on Figure 6-206-1.

Parcel 206 is adjacent to Installation Restoration (IR) Program Site 6 (Parcel 196, Building 41). IR Site 6 is located directly south of Parcel 206. No previous investigations have been conducted at Parcel 206, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 91

Building 91 was constructed in 1942 and has served as a wood shop. It is currently used as a storage and transfer warehouse for aviation parts including rotor assemblies, turbines, and ejection seats (Figure 6-206-1). This building is in moderately good condition. Building 91 is constructed of wood with a concrete floor, and covers approximately 53,000 square feet. Railroad tracks partially covered with asphalt run east-west through the building.

Utilities located within and immediately surrounding Building 91 include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines. A transformer

with oils containing 50 ppm PCBs is documented to have been stored in and subsequently removed from Building 91.

Approximately 12 gallons of adhesives and non-halogenated organic compounds are documented to have been stored in the northwest corner of the warehouse on a wooden bench. These chemicals were observed during visual inspections, and were located approximately 15 feet away from a floor drain. Fire resistant hydraulic fluid was stored on the north side of Building 91 during the site inspection. Thirty-five gallons of the fluid were stored in containers on an open wooden platform.

Oil and fuel stains were observed scattered throughout the concrete warehouse floor during the site inspection. These stains are relatively minor and located on concrete, and will not be sampled. The floor also appeared to have been buffed with oil. The washdown from the warehouse floor flows into drains located throughout the building. Scraps and floor residue were reportedly washed down the drains when the building was used as a wood shop.

There is an old sawdust collection system at the west end of Building 91 that is not longer in use. Paint chips and peeling paint were noted on the exterior walls and roof during the site review. No incidents, such as fires, mishaps, flooding, or crashes are documented to have occurred within Building 91.

Open Space

Open space covers approximately 60 percent of the parcel. The open space is completely paved with a combination of asphalt and concrete. Some areas of the pavement were observed to be in poor condition. This open space is currently used for support activities for the warehouse, and vehicle parking.

Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, water, electrical, abandoned fuel, and industrial sewer lines. Railroad tracks run through the open space on both the north and south sides of Building 91, and enter Building 91 from the east.

There are two above ground storage tanks (ASTs) located near the northeast corner of Building 91. One AST stores approximately 200 gallons of propane, and is mounted on a concrete pad that appeared clean during the site inspection. The second AST appeared to contain natural gas or propane. The contents of this tank were seeping out, and

the odor was detectable from 100 feet away. This area is addressed as Target Area 1.

Potential ACM was observed by the site reviewers on the connecting steam lines, south of Building 91. Site reviewers also observed a cover with "gasoline" embossed on it on the east side of Building 91. The covers could not be removed. No other incidents, such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

One underground storage tank may be present at this parcel. An embossed cover for "gasoline" was observed during a visual inspection at this parcel. No other information regarding the potential tank is available.

Parcel Boundary Conditions

Parcel 206 is bounded by Parcels 73, 107, 185, 109, 71, and 196. Parcel 196 is IR Site 6 (Building 41). Activities of concern on these adjacent parcels include aircraft maintenance, washdown, and materials storage.

RCRA Sites

This parcel contains no RCRA sites.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 206, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-206-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with abandoned fuel and sewer lines are also addressed separately. Sampling associated

TABLE 6-206-2

Summary of Data Gaps
NAS Alameda Parcel 206

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 206.
Installation Restoration (IR) Sites	• Parcel 206 is adjacent to IR Program Site 6 (Parcel 196, Building 41).
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• (Railroad Tracks): Paved tracks in current or former loading areas.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• One UST is potentially located on Parcel 206.
Underground Utilities	• Sanitary sewer, storm sewer, water, electrical, and industrial sewer lines identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-206-2

Summary of Data Gaps
NAS Alameda Parcel 206

Data Gap	Status/Description
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Abandoned fuel lines identified.
Wetlands	• No wetlands identified.
Other	• Other data gaps identified include an observed cover with "gasoline" embossed on it on the east side of Building 91.

with sewer and abandoned fuel lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 206 because no industrial buildings are present.

Once the data gaps in Table 6-206-2 are addressed, and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 206 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains no parcel-specific target areas and is also contained in a zone with a zone-wide target area. This subsection of the PEP provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 14. The nature and location of the zone-wide target area was evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Zone 14 Target Area 1 (Railroad Tracks): This target area includes railroad track areas within or adjacent to the Central Warehouse Zone that are in current or former loading areas. Railroad tracks are located in the northern, southern, and central portions of this parcel. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas. Two of the five surface soil samples for this zone target area are located on this parcel. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. The samples to be collected in this target area are listed in Table 6-206-1. The approximate sampling locations are shown on Figure 6-206-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level technique that will be employed to assess conditions in the zone target area and to identify any areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-206-1 summarizes screening-level sampling and analysis for the zone target area on Parcel 206. Two surface soil samples will be collected from the locations shown on Figure 6-206-1. Sampling will be conducted in accordance with the referenced SOP in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-Z15

ZONE 15 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 15 at NAS Alameda (Figure 6-Z15-1). Zone 15 has been designated the Bachelor Officer's Quarters Zone. Zone 15 is comprised of Parcels 80, 85, 86, 87, 88, 89, and 90. During the sampling program development, the parcels located in this zone were evaluated together. No zone-wide or parcel-specific target investigation areas (target areas) have been identified in this zone. None of the parcels in this zone have been reclassified from BRAC Category 7. This zone evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 15, historical activities are discussed below.

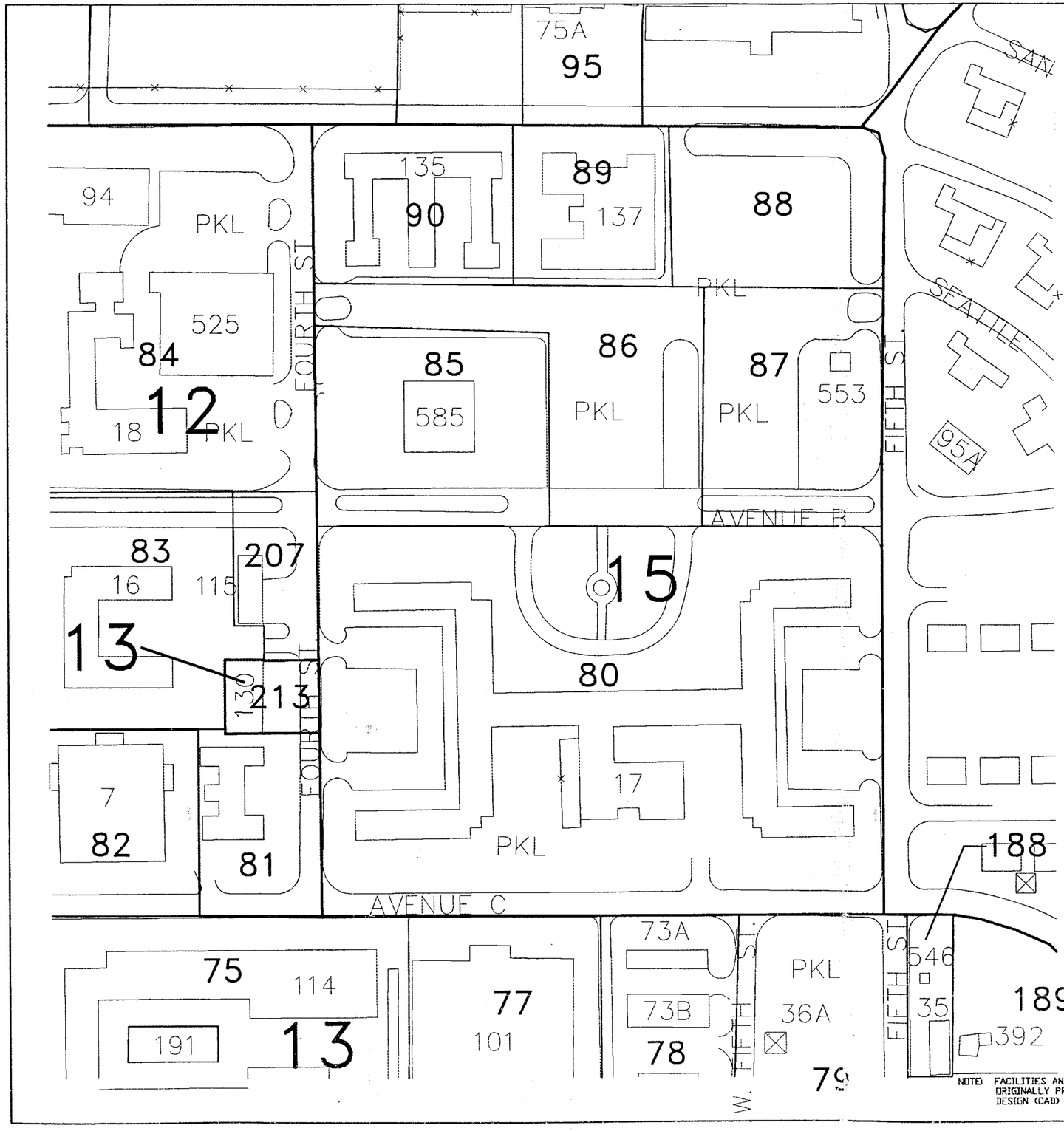
Zone 15 Background and Historical Activities

This subsection briefly summarizes EBS information available for buildings, open spaces, and boundaries of Zone 15 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the Parcel Evaluation Plans (PEPs) for the parcels contained in this zone.

Past and present use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs (the non-intrusive investigation[1]). This information was used to determine areas on the zone where sampling was deemed necessary to delineate potential impacts of compounds of concern.

Zone 15, the Bachelor Officer's Quarters Zone encompasses seven parcels that include Bachelor Officer's Quarters or related support facilities. During the sampling program development, the parcels

1 The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.



LEGEND

ZONE BOUNDARY

SCALE IN FEET

150 0 150 300 450

1" = 150'

FINAL

5-19-95

NOTE: FACILITIES AND/OR STRUCTURES SHOWN REFLECT THOSE ORIGINALLY PROVIDED TO ERM-WEST IN COMPUTER AIDED DESIGN (CAD) FORMAT AND MAY NOT BE CURRENT.

FIGURE 4-Z15-1

NAVAL FACILITIES ENGINEERING COMMAND

NAVAL AIR STATION, ALAMEDA

ZONE 15

SIZE	ERM CAD IDENT. NO.	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS: PWC 17,627; 17,628; 17,630; 17,631; 17,627A; 17,629
B	21219615.DWG	
SCALE AS NOTED	DATE: 5.19.95/2121.97.10	SHEET 1 OF 1

located in this zone were evaluated together to better address zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of specific parcel concerns is provided in the PEPs for individual parcels.

Filling began in the area covered by this zone in approximately 1935. Prior to this time, the zone area was completely inundated by San Francisco Bay. The zone was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, five buildings cover approximately 25 percent of the zone. The remaining 75 percent is open space. Four buildings were formerly located on the parcel and have since been demolished.

Zone 15 is within 500 feet of one Installation Restoration (IR) Program site (IR Site 8 (Building 114)). No previous investigations have been conducted at Zone 15, and specific data regarding chemical occurrence at this zone are not available.

Sewer lines present on this zone are illustrated in the individual PEP figures. Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns and asbestos-containing materials on Zone 15 will be addressed in other sampling programs and are not considered in this ZAP.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this zone. Neither the document review nor the site inspection identified any information that indicated that any tanks are or may have been present at this zone.

RCRA Sites

No RCRA sites are located in this zone

Zone Boundary Conditions

Zone 15 is bounded by Zones 8, 12, 13, and 16. Activities of concern on these adjacent zones include light industrial activities in Zone 13.

Zone Target Areas and Compounds of Concern

No target areas were identified in this zone.

SECTION 6-80

PARCEL 80 EVALUATION PLAN

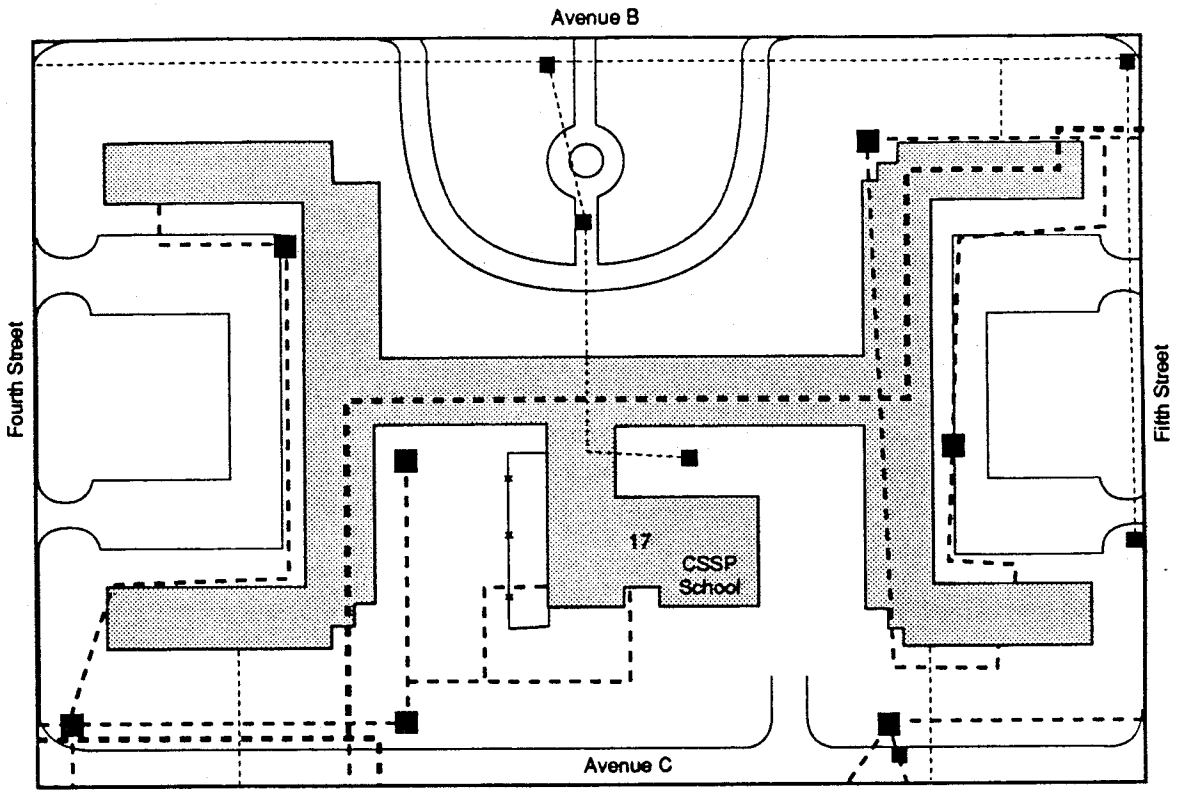
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 80 at NAS Alameda (Figure 6-80-1). The parcel is located in the central portion of the base, is 10.6 acres in size, and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 80, historical activities are discussed below.

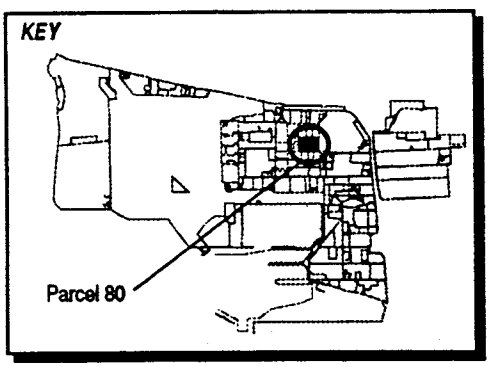
Background and Historical Activities

This subsection summarizes EBS information available for the building, open space, and boundaries of Parcel 80, consistent with objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 85, 86, 87, 89, and 90. This parcel zone has been designated the Bachelor Officers' Quarters Zone (Zone 15). The Bachelor Officers' Quarters Zone encompasses the parcels that primarily have housing for Navy personnel. The parcels in this zone were considered as a whole during the evaluation. During the sampling program development, the parcels located in the zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 15.





LEGEND

- Steam Line
- Storm Sewer Line
- Sanitary Sewer Line
- Sanitary Sewer Manhole
- Catch Basin

1"= 125'

Figure 6-80-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/06.28.94

Filling began in the area covered by this parcel in approximately 1935. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundaries was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently Building 17, the Bachelor Officers' Quarters, covers 15 percent of the parcel. The remaining 85 percent is open space that is partially landscaped and partially used for parking. No other buildings are documented to formerly have existed at this parcel. Underground sewer lines are present on this parcel and are shown on Figure 6-80-1.

Parcel 80 is located immediately northeast of an Installation Restoration (IR) Program site (IR Site 8, (Building 114, PWC Shop)). Previous investigations have not been conducted at Parcel 80; however, specific data regarding potential chemical occurrence are available from Parcel 75. Previous investigations in the northeast corner of Parcel 75 have included surface soil sampling, subsurface soil sampling, and groundwater sampling. Surface soil sampling results indicated the presence of the following compounds of concern: pesticides and herbicides (4,4'-DDE, 4,4'-DDT, and Dieldrin), PCBs (Aroclor 1260), and metals (barium, chromium, copper, lead, and zinc). Additional sampling is currently proposed by the IR contractor.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on the parcel will be addressed in other sampling programs and are not considered in this PEP. Based on the age of Building 17 and EBS observations, peeling lead-based paint (exterior of building) and friable asbestos (phone room, former walk-in coolers) are potential concerns on Parcel 80.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 17

Building 17 was constructed in approximately 1941 to serve as the Bachelor Officers' Quarters. This building is generally in good condition. The building is a two-story structure, constructed of a wood frame covered with stucco. The building's floor is concrete, tile, and carpet. The floor plan covers a total of approximately 145,000 square feet. The building has approximately 290 rooms and includes a former mess hall and a secure area that could not be accessed during the site inspection known as the CSSP School (Figure 6-80-1).

Utilities located within and immediately surrounding Building 17 include underground sanitary sewer, storm sewer, steam, water, and electrical lines. One transformer is located in the south-central part of Building 17, and a second transformer is located in the open space east of Building 17.

Open Space I

Open Space I is defined as the paved areas surrounding Building 17. This space covers approximately 50 percent of the parcel open space. The ground surface of Open Space I is surfaced with asphalt. The pavement is generally in good condition. According to site inspection data, the asphalt south of the central wing of the building was stained with what appeared to be white paint. Oil stains from vehicles were also observed in the parking areas. This staining is minor and will not be addressed by sampling.

Open Space II

Open Space II consists of the parcel grassy areas and a small garden area. These areas cover approximately 50 percent of the parcel open space. A four foot by eight foot grease trap is located within this open space outside the former kitchen, southwest of the building. The trap was filled with water and debris when inspected. A small compost pile, a probable grease drum, a one-quart oil container, and a plastic oil drip pan were located adjacent to it. The majority of the landscaped area of Open Space II has been continuously maintained since approximately 1941.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 80 is bounded by parcels 81, 213, 207, 85, 86, 87, 98, 79, 78, 77, and 75. Activities associated with Parcel 75 (IR Site 8, Building 114-PWC Shop) are of potential environmental concern for Parcel 80. Parcel 75 is located southwest of Parcel 80, across Avenue C. A portion of Building 114 was historically used for PWC maintenance activities including pesticide storage and blending.

No sampling is called for in this PEP in response to the nearby IR site. If the continuing investigations at the IR site reveal a cause for concern at Parcel 80, then additional sampling on Parcel 80 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 80, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-80-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 80 because no industrial buildings are present.

As noted earlier, Parcel 80 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed at this parcel.

Once the data gaps in Table 6-80-1 are addressed, Parcel 80 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-80-1

Summary of Data Gaps
NAS Alameda Parcel 80

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 80.
Installation Restoration (IR) Sites	• IR site 8 (Building 114, PWC shop) is located adjacent (south) to Parcel 80. Additional investigation relative to IR site 8 is proposedby the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-80-1

Summary of Data Gaps
NAS Alameda Parcel 80

Data Gap	Status/Description
Underground Utilities	• Sanitary sewer, storm sewer, water, and electrical lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological concerns, and Installation Restoration Sites must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-85

PARCEL 85 EVALUATION PLAN

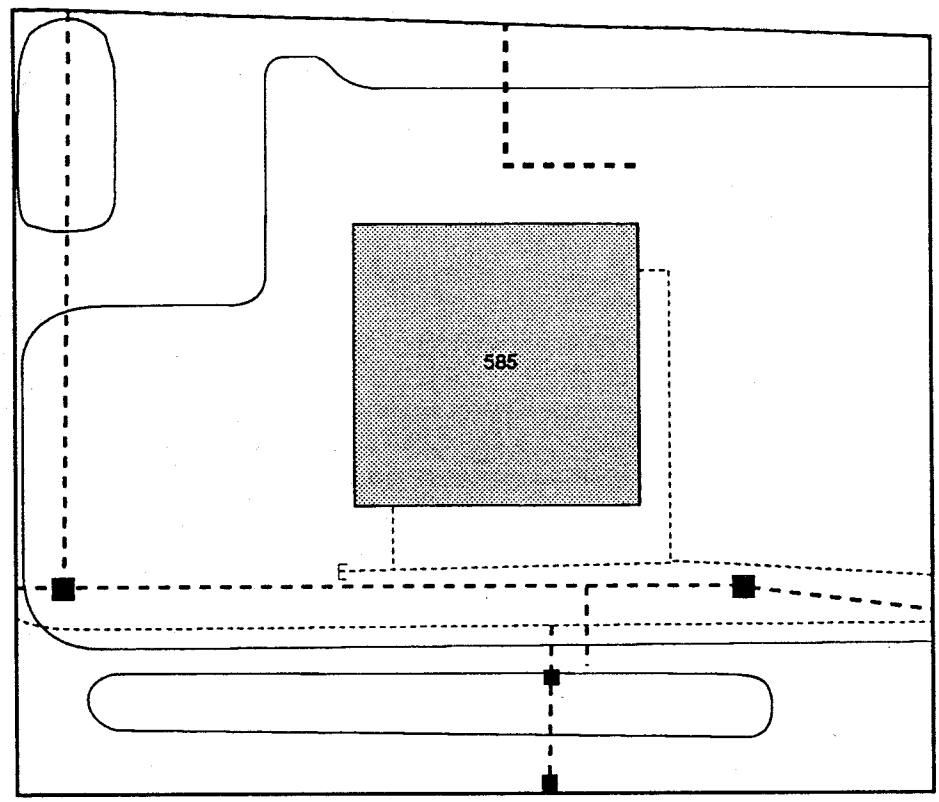
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 85 at NAS Alameda (Figure 6-85-1). The parcel, which is located in the north central portion of the base, is 1.6 acres in size and is rectangular. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 85, historical activities are discussed below.

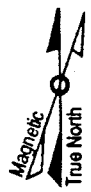
Background and Historical Activities

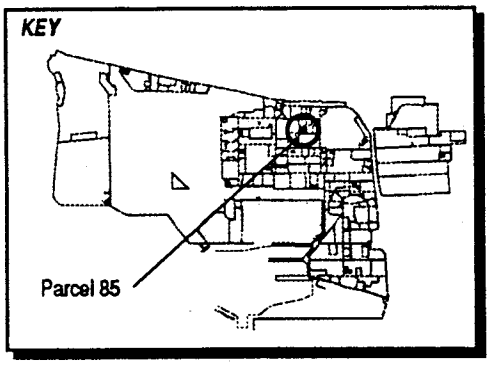
This subsection summarizes EBS information available for the open space and boundaries of Parcel 85, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

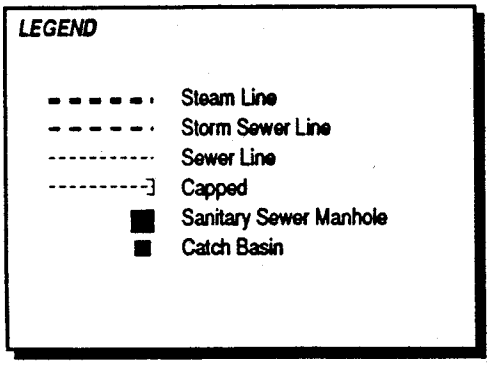
Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of historical records and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 80, 86, 87, 88, 89, and 90. This parcel zone has been designated the Bachelor Officers' Quarters Zone (Zone 15). The Bachelor Officers' Quarters Zone encompasses the parcels that primarily have housing for Navy personnel. During the sampling program development, the parcels located in the zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 15.









1"= 60'

Figure 6-85-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/06.28.94

Filling began in the area covered by this parcel in approximately 1935. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, fifteen percent of the parcel is covered by Building 585, which contains a night club. The remaining 85 percent is open space. One former building is documented to have existed at this parcel. Sewer lines on the parcel are shown in Figure 6-85-1.

Parcel 85 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 85. Therefore, specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 585

Building 585 was constructed in 1976 and serves as a night club known as the "Top 4 Club." Building 585 is a one story building constructed with a stucco-covered wooden frame and a raised shingled roof. The building covers approximately 10,600 square feet. Transformers are present in an enclosure on the southeast corner of the building. The space occupied by Building 585 was formerly occupied by Building 84, which served as bachelor officers' quarters between its construction in 1942 and its demolition in approximately 1975. Building 84 covered 33,000 square feet and was similar to the existing Building 135 on Parcel 90. Utilities located within and immediately surrounding Building 585 include underground water, storm sewer, sanitary sewer, steam, and electrical lines.

A total of less than 100 gallons of chemicals were observed in the building during the site inspection. A 1993 chemical inventory of the building reported storage of 250 gallons of chemicals. Chemicals were stored in a janitor's closet, in a kitchen storeroom, and in the kitchen and bar areas. Chemicals present included cleaners, disinfectants, dishwashing soap, latex paint, concrete sealer, degreaser, and liquid paraffin fuel.

Chemicals were also stored outside (east) of the building in and around a partially paved fenced area used to wash off buckets, mops, pallets, and other equipment used in the building. There were also indications that maintenance and repair activities, including painting, were conducted in this area. Chemicals observed in the area included refrigeration oil, acrylic floor finish, paint thinner, scouring powder, dichlorodifluoromethane (refrigeration fluid), and "ultra duty stripper." The total quantity of chemicals stored outdoors was approximately 15 gallons. Stressed vegetation and staining were observed adjacent to the washdown area. Two compressors (one with a leaking line) and a backup battery system were present on the east side of the building. The eastern side of the building is addressed by Target Area 1. A food storage trailer was observed on the southern end of this area.

Open Space

Parcel 85 open space consists of landscaped areas, an asphalt-paved driveway located in the northwest corner of the parcel, an asphalt-paved parking area along the north side of the parcel, and a loading dock area and driveway east of Building 585. The paved areas of the parcel cover approximately 25 percent of the open space. The landscaped areas comprise approximately 75 percent of the parcel open space and are covered with grass, bushes, trees, and dirt. The southern and western edges of the landscaped area have been continuously maintained since the early 1940s. Much of the rest of the open space was covered by former Building 84 (see above) and the west wing of Building 124. Building 124 also served as bachelor officers' quarters. Two-thirds of Building 124 formerly existed on the current Parcel 86 adjacent to Parcel 85 to the east.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 85 is bounded by Fourth Street to the west and Avenue B to the south. Across the streets are Parcels 84 (bowling alley), 207 (former garage), and 80 (bachelor officers' quarters). Parking lots on Parcel 86 border Parcel 85 to the north and east.

RCRA Sites

No RCRA sites are located on Parcel 85.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 85, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-85-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 85 because no industrial buildings are present.

As noted earlier, Parcel 85 has open space areas that are landscaped/unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed on this parcel.

Once the data gaps in Table 6-85-1 are addressed, Parcel 85 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-85-1

Summary of Data Gaps
NAS Alameda Parcel 85

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 85.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 85.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Water, storm sewer, sanitary sewer, and electrical lines identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-85-1

Summary of Data Gaps
NAS Alameda Parcel 85

Data Gap	Status/Description
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, and radiological concerns must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-86

PARCEL 86 EVALUATION PLAN

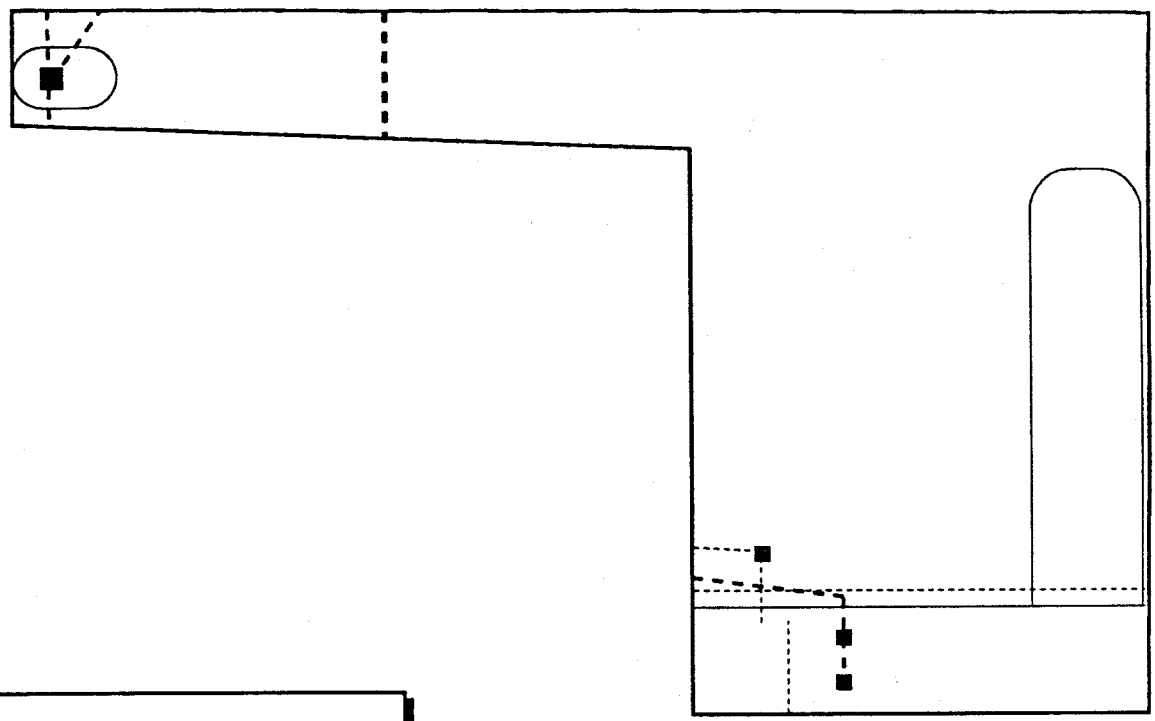
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 86 at NAS Alameda (Figure 6-86-1). The parcel, which is located in the north central portion of the base, is two acres in size and is irregular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. The parcel does not contain any RCRA sites. No zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 86, historical activities are discussed below.

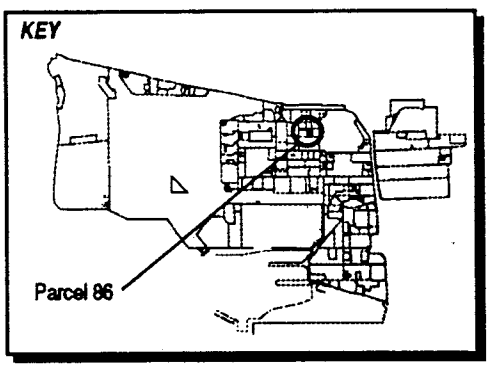
Background and Historical Activities

This subsection summarizes EBS information available for the open space and boundaries of Parcel 86, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of historical records and historical aerial photographs. This information was used to determine whether sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 80, 85, 87, 88, 89, and 90. This parcel zone has been designated the Bachelor Officers' Quarters Zone (Zone 15). The Bachelor Officers' Quarters Zone encompasses the parcels that primarily have housing for Navy personnel. During the sampling program development, the parcels located in the zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 15.





LEGEND

- Steam Line
- Storm Sewer Line
- Sewer Line
- Sanitary Sewer Manhole
- Catch Basin

1"=90'

Figure 6-86-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/08.28.94

Filling began in the area covered by this parcel in approximately 1935. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

The parcel is 100 percent open space. The space is primarily used as a parking lot, with landscaped strips along the eastern and western edges of the parcel. A portion of Building 124 was formerly located at this parcel. Building 136 was also formerly located at this parcel. Sewer lines are present at this parcel and are shown on Figure 6-86-1.

Parcel 86 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 86. Therefore, specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Open Space

The open space on Parcel 86 is used primarily as a paved parking area. Approximately 85 percent of the parcel area is paved with asphalt, and landscaped areas cover the remaining area. The pavement in the parking lot is generally in good condition and contains approximately 150 parking stalls. The landscaped areas are covered with grass, bushes, trees, and dirt. These areas have been continuously maintained since the early 1940s. Utilities present on the parcel include storm sewer, sanitary sewer, natural gas, water, and steam lines.

Oil stains from vehicles were observed in the parking lot. This staining is minor and will not be sampled. Two dumpsters were present in the southwest corner of the open space at the time of the site inspection. A former bachelor officers' quarters building (Building 124) covering 20,000 square feet was constructed in this open space in 1944. Approximately 20 percent of the former building footprint extended onto the current Parcel 85. Building 136 was demolished between 1958 and 1963. The area was subsequently paved and has been used as a parking lot since that time.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 86 is bounded by Fourth Street to the west and Avenue B to the south. Across the streets are Parcels 80 (bachelor officers' quarters) and 84 (bowling alley). Parcel 89 (general warehouse) and Parcel 90 (education and equipment rental) border Parcel 86 to the north. Parking lots contiguous with the one on Parcel 86 are present to the northeast on Parcel 88 and to the east on Parcel 87. A night club is located on Parcel 85 to the southwest.

RCRA Sites

No RCRA sites are located at Parcel 86.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 86, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-86-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gap at this parcel: radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 86 because no buildings are present.

TABLE 6-86-1

Summary of Data Gaps
NAS Alameda Parcel 86

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No buildings exist at Parcel 86.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 86.
Lead-Based Paint (LBP)[1]	• No LBP issues identified.
PCB-Containing Equipment[1]	• No PCB issued identified.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Natural gas, water, storm sewer, and sanitary sewer identified.
- Steam Lines	• Steam lines identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-86-1

Summary of Data Gaps
NAS Alameda Parcel 86

Data Gap	Status/Description
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

As noted earlier, Parcel 86 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed at this parcel.

Once the data gaps in Table 6-86-1 are addressed, Parcel 86 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to underground lines and radiological issues must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-87

PARCEL 87 EVALUATION PLAN

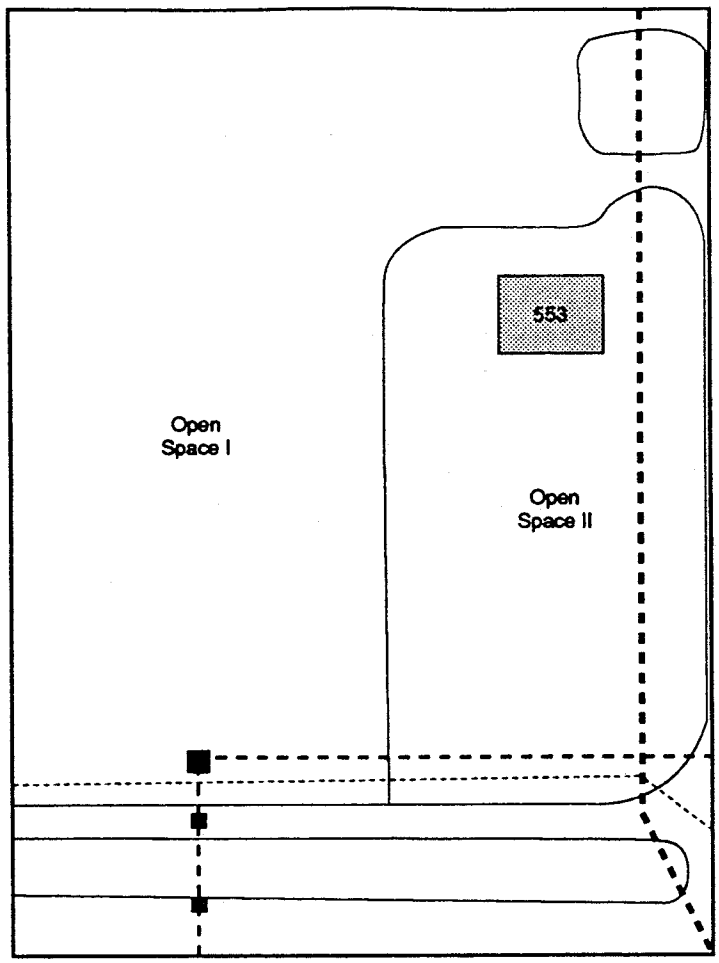
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 87 at NAS Alameda (Figure 6-87-1). The parcel is located in the north central portion of the base, is 1.8 acres in size, and is rectangular. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. The parcel does not contain any RCRA sites. No zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 87, historical activities are discussed below.

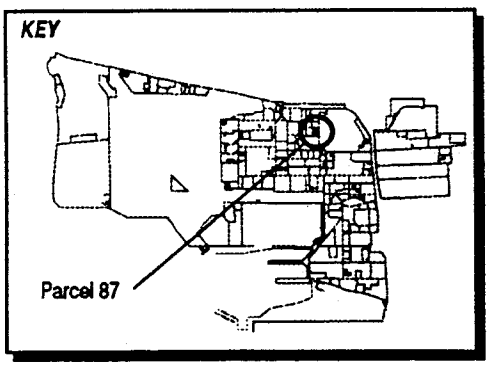
Background and Historical Activities

This subsection summarizes EBS information available for the open space and boundaries of Parcel 87, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of historical records and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 80, 85, 86, 88, 89, and 90. This parcel zone has been designated the Bachelor Officers' Quarters Zone (Zone 15). The Bachelor Officers' Quarters Zone encompasses the parcels that primarily have housing for Navy personnel. During the sampling program development, the parcels located in the zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 15.





LEGEND

- Steam Line
- Storm Sewer Line
- Sewer Line
- Sanitary Sewer Manhole
- Catch Basin

1" = 60'

Figure 6-87-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/06.28.94

Filling began in the area covered by this parcel in approximately 1935. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 553) covers less than five percent of the parcel. The remainder of the parcel is open space. The parcel is primarily used as a parking lot, with a wide landscaped strip along the eastern side. One building was formerly located at this parcel. Sewer lines are present at this parcel and are shown in Figure 6-87-1.

Parcel 87 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 87. Therefore, specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 553

Building 553 was constructed between 1970 and 1975 and serves as an electrical substation. Building 553 is a one-story building constructed with concrete walls and a flat concrete roof, and covers approximately 1,000 square feet. The space occupied by Building 553 was formerly occupied by Building 85, which served as bachelor officers' quarters between its construction in 1942 and its demolition in approximately 1970. Building 85 covered 33,000 square feet and was similar to the existing Building 135 on Parcel 90.

Utilities located within this parcel include underground steam, sanitary sewer, storm sewer and electrical lines are present on this parcel. On March 31, 1986 a transformer located on a fenced pad adjacent to the west side of Building 553 ruptured due to overheating. The transformer sprayed PCB-containing oil on the west wall of the building, the pad, the fence, surrounding grass, and trees approximately 15 feet to the west. The amount of oil released was unknown. Available information indicates that cleanup of the area was performed by IT Corporation. Contaminated material, possibly including the transformer, pad, fence, soil, and trees, was removed and disposed of by personnel from the Defense Reutilization and

Marketing Office (DRMO). The pad was observed in 1985 aerial photographs but was not present in 1990 photographs.

Open Space I

Open Space I is defined as the paved parking lot area of the parcel. This space takes up approximately 60 percent of the parcel open space. The Open Space I parking lot is surfaced with asphalt and contains approximately 125 parking stalls. The asphalt is in fair condition. Oil stains from vehicles were observed in Open Space I. This staining is minor and will not be sampled. Former Building 85 (see above) covered a large portion of this open space.

Open Space II

Open Space II consists of the landscaped areas on the parcel. These areas comprise approximately 40 percent of the parcel open space and are covered with grass, bushes, trees, and soil. This area separates the parking lot from Fifth Street. The eastern half of the landscaped area of Open Space II has been continuously maintained since the early 1940s. The western half of the existing landscaped area was covered by former Building 85 until the building was demolished in approximately 1970.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 87 is bounded by Fifth Street to the east and Avenue A to the north. Across the streets are Parcels 98 (officers' family housing) and 80 (bachelor officers' quarters). Parking lots contiguous with the one on Parcel 87 are present to the west on Parcel 86 and to the north on Parcel 88.

RCRA Sites

No RCRA sites are located at Parcel 87.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 87, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-87-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 87 because no industrial buildings are present.

As noted earlier, Parcel 86 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for this parcel.

Once the data gaps in Table 6-87-1 are addressed, Parcel 87 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to transformers, lead-based paint, asbestos, radiological issues, and underground lines must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

TABLE 6-87-1

Summary of Data Gaps
NAS Alameda Parcel 87

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 87.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 87.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Sanitary sewer, storm sewer and electrical lines identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-87-1

Summary of Data Gaps
NAS Alameda Parcel 87

Data Gap	Status/Description
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

SECTION 6-88

PARCEL 88 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 88 at NAS Alameda (Figure 6-86-1). This parcel is located in the north central portion of the base, is 1.4 acres in size, and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 88, historical activities are discussed below.

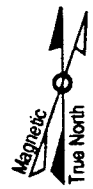
Background and Historical Activities

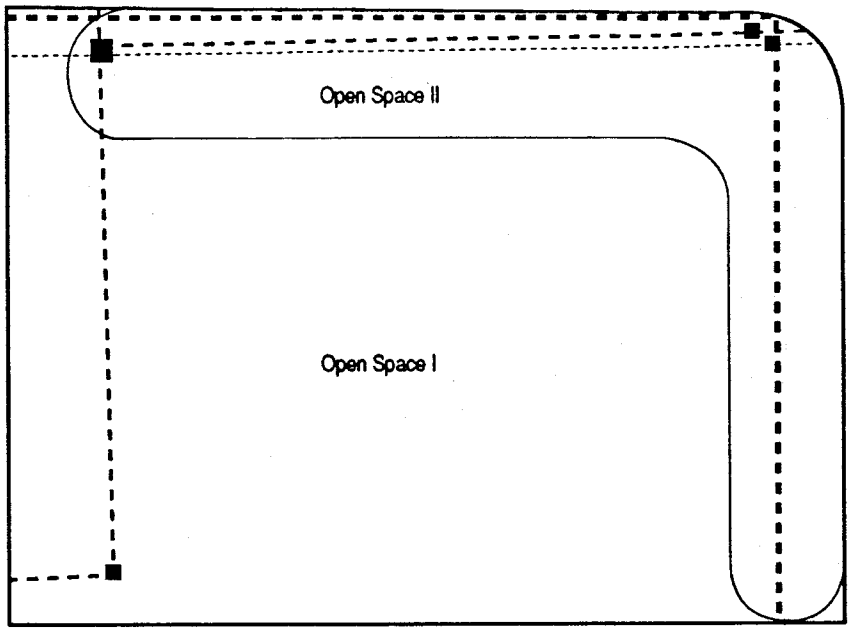
This subsection summarizes EBS information available for the open space and boundaries of Parcel 88, consistent with objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

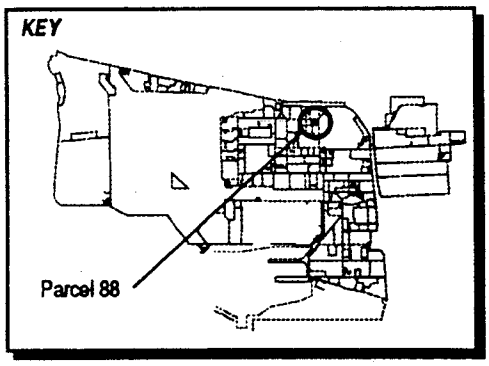
Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of historical records and historical aerial photographs. This information was used to determine whether sampling was necessary to delineate potential impacts of compounds of concern.

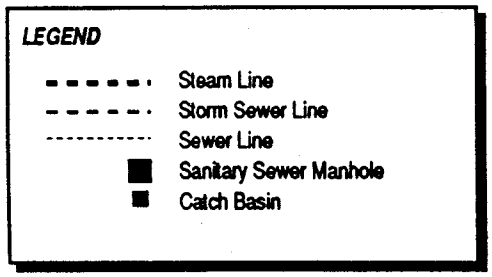
This parcel has been grouped into a zone with Parcels 80, 85, 86, 87, 89, and 90 (Table 6-4). This parcel zone has been designated the Bachelor Officers' Quarters Zone (Zone 15). The Bachelor Officers' Quarters Zone encompasses the parcels that have primarily housing for Navy personnel. The parcels in this zone were considered as a whole during the evaluation. While no sampling has been proposed at this parcel, sampling results from adjacent parcels within the zone should be considered during future evaluations.

Filling began in the area covered by this parcel in approximately 1935. Prior to this time, the parcel area was completely inundated by San Francisco Bay.









1" = 60'

Figure 6-88-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/06.28.94

The area within the parcel boundary was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, Parcel 88 is all open space that is primarily used as a parking lot. Landscaped strips are present along the northern and eastern edges. The open space of Parcel 88 has been subdivided into Open Space I and Open Space II. One building was formerly located on this parcel. Sewer lines are present on this parcel and are shown on Figure 6-88-1.

Parcel 88 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 88. Therefore, specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within the parcel open space areas are described below.

Open Space I

Open Space I, which contains approximately 80 percent of the open space, is defined as the asphalt-paved parking lot area of the parcel. This parking lot contains approximately 90 parking stalls. The pavement is generally in good condition. Site inspection data indicate that oil stains from vehicles were observed in Open Space I. This staining is minor and will not be sampled. A former bachelor officers' quarters and administration building (Building 136) was constructed on Parcel 88 in the open space area in 1944. The building covered 33,000 square feet and was of similar construction to the existing Building 135 on Parcel 90. Building 136 was demolished some time between 1970 and 1975. Underground steam, storm sewer, sanitary sewer, electrical, and natural gas lines are present in Open Space I.

Open Space II

Open Space II consists of the landscaped areas on the parcel. These areas comprise approximately 20 percent of the parcel open space and are covered with grass, bushes, trees, and bare soil. The majority of the landscaped area of Open Space II has been continuously maintained since the early 1940s. Utilities present in Open Space II include underground storm sewer, sanitary sewer, steam, electrical, and natural gas lines.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 88 is bounded by Fifth Street to the east and Avenue A to the north. Across the streets are Parcels 98 (officers' family housing) and 96 (officers' club). Parcel 89 (general warehouse) borders Parcel 88 to the west. Parking lots contiguous with the one on Parcel 88 are present to the south on Parcels 86 and 87.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 88, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-88-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gap at this parcel: radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 88 because no buildings are present.

As noted earlier, Parcel 88 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely

TABLE 6-88-1

Summary of Data Gaps
NAS Alameda Parcel 88

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• No ACM issues identified.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No buildings exist at Parcel 88.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 88.
Lead-Based Paint (LBP)[1]	• No LBP issues identified.
PCB-Containing Equipment[1]	• No PCB issues identified.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-88-1

Summary of Data Gaps
NAS Alameda Parcel 88

Data Gap	Status/Description
Underground Utilities	• Natural gas, storm sewer, sanitary sewer, and electrical lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for this parcel.

Once the data gaps in Table 6-88-1 are addressed, Parcel 88 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to underground lines and radiological issues must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-89

PARCEL 89 EVALUATION PLAN

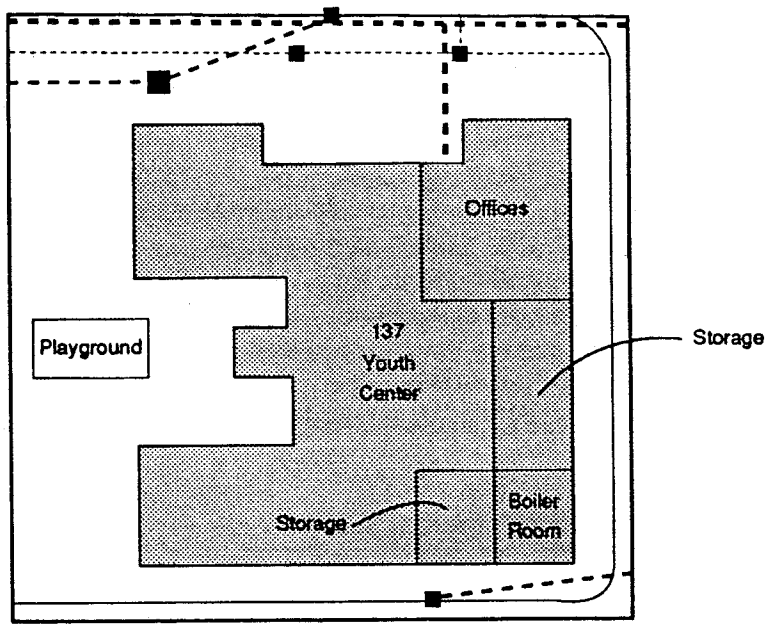
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 89 at NAS Alameda (Figure 6-89-1). The parcel is located in the north central portion of the base, is 1.2 acres in size, and is square. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. The parcel does not contain any RCRA sites. No zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 89, historical activities are discussed below.

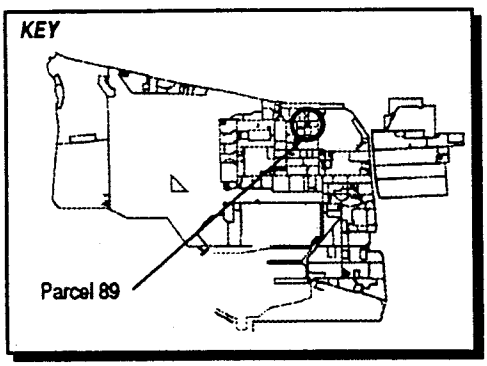
Background and Historical Activities

This subsection summarizes EBS information available for the building, open space, and boundaries of Parcel 89, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 80, 85, 86, 87, 88, and 90. This parcel zone has been designated the Bachelor Officers' Quarters Zone (Zone 15). The Bachelor Officers' Quarters Zone encompasses the parcels that primarily have housing for Navy personnel. During the sampling program development, the parcels located in the zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 15.





LEGEND

- Steam Line
- Storm Sewer Line
- Sewer Line
- Sanitary Sewer Manhole
- Catch Basin

1" = 60'

Figure 6-89-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/08.28.94

Filling began in the area covered by this parcel in approximately 1935. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently Building 137, a youth center and storage building, covers approximately 25 percent of the parcel. The remainder (75 percent) is open space that is partially landscaped and partially paved. No other buildings formerly existed at this parcel. Sewer lines on the parcel are shown in Figure 6-89-1.

Parcel 89 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 89 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials (ACM) on the parcel will be addressed in other sampling programs and are not considered in this PEP. Based on the age of the building on the parcel and EBS observations, peeling lead-based paint (interior and exterior of building) and friable asbestos (steam lines and building materials) are potential concerns on Parcel 89. Asbestos has reportedly been previously removed from the building. Non-hazardous ACM is reported to remain in places.

Activities of potential environmental concern within the parcel open space and building are described below.

Building 137

Building 137 was constructed in approximately 1944. Currently, the building houses a youth center, a personal property office, and storage areas for the Top 4 Club (Building 585, Parcel 85) and the Officers' Club (Building 60, Parcel 96). In the past the building housed a mess hall, communications offices, a teen club, a Boy Scouts' office, storage for the USO and Navy Exchange, and other administrative offices. This building is generally in fair to poor condition. Rainwater reportedly leaks through building joints during storms. The water previously flowed through floor drains to the street and parking areas. The drains were sealed in 1992. The second floor of the building has been condemned and is sealed off. Building 137 is a wood frame building with a built-up roof constructed on a concrete slab foundation. The floor plan covers a total of approximately 27,000 square feet on two floors.

Utilities located within and immediately surrounding Building 137 include underground natural gas, sanitary sewer, storm sewer, telephone, steam, water, and electrical lines. No transformers are located on the parcel. A boiler room is present in the southeast corner of the building.

Materials stored in the building by the Top 4 Club and Officers' Club included holiday decorations, wine, furniture, glasses, dishes, paper goods, files, barbecue grills, office supplies, and cleaning supplies. A total of approximately 250 gallons of office and cleaning/maintenance supplies were observed during the site inspection. Two small stains were observed on the floor of the building. Records indicate that other compounds stored previously included latex paint, drain cleaner, sanitizer, pine oil, corrosives, motor oil, and stainless steel polish.

Open Space

Forty percent of the parcel open space is paved with concrete sidewalks and 60 percent is landscaped (this includes a small sand-covered playground). A steam line vault is present on the north side of the parcel. The majority of the landscaped area of Open Space II has been continuously maintained since the early 1940s.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 89 is bounded by Avenue A to the north. Across the street is Parcel 95 (bathhouse). Parcel 89 borders Parcel 90 (chaplain's office and Red Cross) to the west. Parking lots on Parcels 86 and 88 are present to the south and east.

RCRA Sites

This parcel contains no RCRA sites.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 89, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-89-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 89 because no industrial buildings are present.

As noted earlier, Parcel 89 has open space areas that are landscaped/unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for this parcel.

Once the data gaps in Table 6-89-1 are addressed, Parcel 89 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, underground lines, and radiological concerns must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

TABLE 6-89-1

Summary of Data Gaps
NAS Alameda Parcel 89

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 89.
Installation Restoration (IR) Sites	• No IR sites are located within 500 feet of Parcel 89.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• No PCB issues identified.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Natural gas, sanitary sewer, storm sewer, telephone, water, and electrical lines identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-89-1

Summary of Data Gaps
NAS Alameda Parcel 89

Data Gap	Status/Description
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

SEWER

SECTION 6-90

PARCEL 90 EVALUATION PLAN

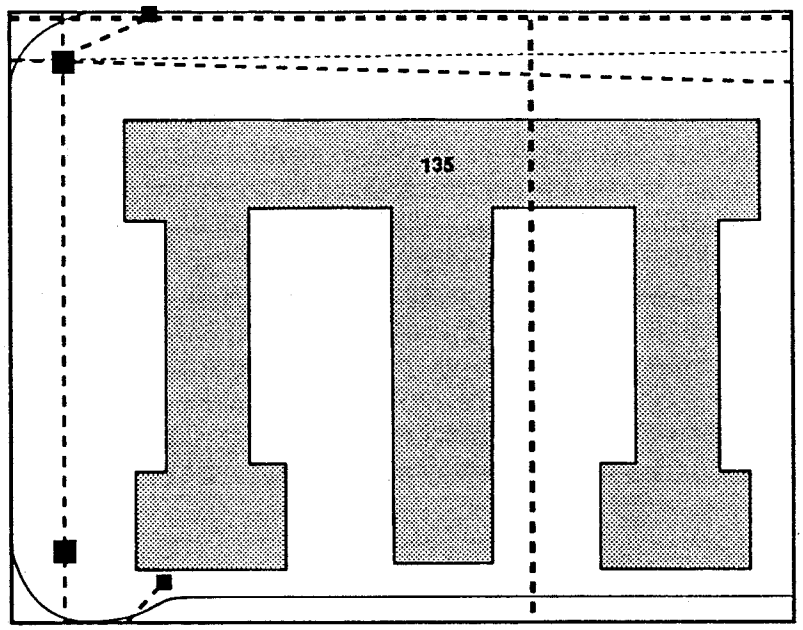
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 90 at NAS Alameda (Figure 6-90-1). The parcel is located in the north central portion of the base, is 1.6 acres in size, and is rectangular. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. The parcel does not contain any RCRA sites. No zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. This parcel-specific plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 90, historical activities are discussed below.

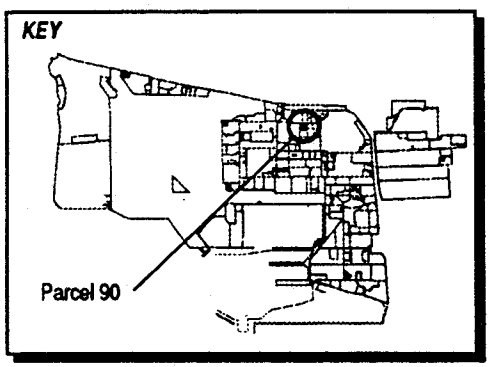
Background and Historical Activities

This subsection summarizes EBS information available for the building, open space, and boundaries of Parcel 90, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 80, 85, 86, 87, 88, and 89. This parcel zone has been designated the Bachelor Officers' Quarters Zone (Zone 15). The Bachelor Officers' Quarters Zone encompasses the parcels that primarily have housing for Navy personnel. During the sampling program development, the parcels located in the zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 15.





LEGEND

- Steam Line
- Storm Sewer Line
- Sewer Line
- Sanitary Sewer Manhole
- Catch Basin

1" = 60'

Magnetic
True North

Figure 6-90-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/06.28.94

Filling began in the area covered by this parcel in approximately 1935. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently Building 135, former bachelor officers' quarters, covers approximately 25 percent of the parcel. The remainder (75 percent) is open space that is partially landscaped and partially paved. Sewer lines on the parcel are shown in Figure 6-90-1.

Parcel 90 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 90 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene considerations, and asbestos containing materials on the parcel will be addressed in other sampling programs and are not considered in this PEP. Based on the age of the building on the parcel and EBS observations, peeling lead-based paint (interior and exterior of building) and friable asbestos (steam lines and building) are potential concerns on Parcel 90.

Activities of potential environmental concern within the parcel open space and building are described below.

Building 135

Building 135 was constructed in approximately 1944 as bachelor officers' quarters. Recently the building has housed a chaplain's office, the Navy/Marine Corps Relief Society, the Red Cross, a child care center, education offices/classrooms, and equipment rental offices. This building is in fair to poor condition. Portions of the building have been gutted and cannot be occupied. Building 135 is a wood frame building with a built-up roof constructed on a concrete slab foundation. The floor plan covers a total of approximately 33,000 square feet on two floors.

Utilities located within and immediately surrounding Building 135 include underground natural gas, sanitary sewer, storm sewer, telephone, steam, water, and electrical lines. No transformers are located on the parcel. Storage of a total of less than 50 gallons of cleaning supplies and paint was observed at various locations throughout the building. No spills or staining were observed.

Open Space

The parcel open space is 20 percent paved with concrete sidewalks and 80 percent landscaped. The following features were observed within the open space during the site inspection: an overgrown playground area, a thrift shop drop-off box on the south side of the building (washer, furniture, and clothes adjacent), two utility access vaults in the northwest corner of the parcel, and a CONEX storage locker labeled "NAS Chapel." The majority of the landscaped area of Open Space II has been continuously maintained since the early 1940s.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 90 is bounded by Fourth Street and Avenue A to the west and north, respectively. Across the streets are Parcels 93 (tennis courts), 92 (open grassy area), and 84 (bowling alley). Parcel 89 (youth center and storage) borders Parcel 88 to the west. A parking lot on Parcel 86 is present to the south. Environmental concerns associated with adjacent parcels are not likely to have affected the boundary areas of Parcel 88.

RCRA Sites

This parcel contains no RCRA sites.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 90, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-90-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway

TABLE 6-90-1

Summary of Data Gaps
NAS Alameda Parcel 90

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 90.
Installation Restoration (IR) Sites	• No IR sites are located within 500 feet of Parcel 90.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• No PCB issues identified.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Natural gas, sanitary sewer, storm sewer, water, and electrical lines identified.
- Steam Lines	• Steam lines identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-90-1

Summary of Data Gaps
NAS Alameda Parcel 90

Data Gap	Status/Description
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

to address the following data gaps at this parcel: lead-based paint, asbestos, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 90 because no industrial buildings are present.

As noted earlier, Parcel 90 has open space areas that are landscaped/unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for this parcel.

Once the data gaps in Table 6-90-1 are addressed, Parcel 90 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, underground lines, and radiological concerns must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-Z16

ZONE 16 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 16 at NAS Alameda (Figure 6-Z16-1). Zone 16, which is located in the northeast corner of the base, has been designated the Housing Zone and encompasses parcels that contain family housing units, parks, a motel, a school, warehouses, and a scrapyard. Zone 16 is comprised of Parcels 98, 99, 100, 103, 170-184, and 212. During the sampling program development, the parcels located in this zone were evaluated together. Three zone-wide target investigation areas (target areas) and 18 parcel-specific target areas have been identified in this zone. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling, subsurface Geoprobe sampling, soil vapor sampling, and HydroPunch groundwater sampling. Table 6-Z16-1 provides the complete list of zone-wide samples and analyses prescribed for this zone, and Figure 6-Z16-1 illustrates all sample locations for the entire zone, including parcel-specific sampling. This zone evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 16, historical activities are discussed below.

Zone 16 Background and Historical Activities

This subsection briefly summarizes EBS information available for Zone 16, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, nearby underground storage tanks, and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the parcel-specific evaluation plans (PEPs) for the parcels contained in this zone.

Past and present use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs (the non-intrusive investigation[1]). This

[1] The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.

TABLE 6-Z16-1

Summary of Recommended Samples
NAS Alameda Zone 16

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Target Analytes	Analytical Method
Z16-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-4-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-5-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-6-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-7-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-8-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-9-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-10-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-11-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-12-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-13-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-14-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-15-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-16-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-17-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-18-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-19-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-20-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-21-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-22-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
Z16-23-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
Z16-24-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC

TABLE 6-Z16-1

Summary of Recommended Samples
NAS Alameda Zone 16

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Target Analytes	Analytical Method
Z16-25-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
Z16-26-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
Z16-27-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
Z16-28-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
Z16-29-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
Z16-30-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
Z16-31-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
Z16-32-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
Z16-33-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
Z16-34-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
Z16-35-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
Z16-36-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	SVOCs	CLP RAS
Z16-36-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	TPH, PCBs, lead	Test Kits, XRF
Z16-37-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	SVOCs	CLP RAS
Z16-37-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	TPH, PCBs, lead	Test Kits, XRF
Z16-38-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	SVOCs	CLP RAS
Z16-38-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	TPH, PCBs, lead	Test Kits, XRF
Z16-38-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 3	TPH, PCBs, lead	Modified EPA 8015, CLP RAS
Z16-39-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	SVOCs	CLP RAS
Z16-39-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	TPH, PCBs, lead	Test Kits, XRF
Z16-40-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	SVOCs	CLP RAS
Z16-40-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	TPH, PCBs, lead	Test Kits, XRF

* This is the suggested location for the confirmation sample. The actual location will depend on field analytical results.

information was used to determine areas on the zone where sampling was deemed necessary to delineate potential impacts of compounds of concern.

Zone 16, the Housing Zone, encompasses parcels that contain family housing units, parks, a motel, a school, warehouses, and a scrapyard. During sampling program development, the parcels located in this zone were evaluated together to better address zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of specific parcel concerns is provided in the Parcel Evaluation Plans (PEPs) for individual parcels.

Filling began in the area covered by this zone in approximately the late 1920s. Prior to this time, the zone area was approximately 60 percent salt marsh and tidal flats, and 40 percent inundated by San Francisco Bay. Heavy industries located nearby prior to filling included an oil refinery (on Old Alameda Point--IR Site 13) and two gas manufacturing plants (across the estuary in Oakland). Releases from these plants may have impacted nearby wetlands in the late 1800s and early 1900s. The area within Zone 16 was completely filled as of 1935; the ground level and grading have not changed significantly since that time.

Currently, approximately 500 buildings cover 20 percent of the zone. The remaining 80 percent is open space. Numerous buildings including warehouses and temporary barracks were formerly located on various parcels in the zone and have since been demolished.

Zone 16 contains one Installation Restoration (IR) Program site, the Scrapyard, on Parcels 176 and 177. Previous and current investigations at and around the Scrapyard have been conducted on Parcels 172, 173, 174, 175, 176, 177, 178, and 181. Details of previous investigation activities are described in the corresponding PEPs and in the subsection below. Data tables from previous investigations are provided in Zone 16 Attachment A.

An investigation in 1988 revealed impacts from chromium and nickel to surface soil on Parcels 178 and 184. Six inches of surface soil were removed and replaced with two feet of clean fill prior to the construction of additional housing units on these parcels in approximately 1989. Impermeable 40-mil membranes were reportedly placed on soil beneath concrete floor slabs of the new housing units. Records do not indicate that environmental sampling was conducted on Parcels 180 and 179 prior to the construction of the existing day care center and school on these parcels.

Sewer lines present in this zone are illustrated in the individual PEP figures. Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns and asbestos-containing materials on Zone 16 will be addressed in other sampling programs and are not considered in this ZAP. These issues are all potential concerns in this zone, particularly in and near the scrapyard area.

Previous Investigations

Previous investigations have been performed at Parcels 172, 173, 174, 175, 176, 177, and 178. These parcels were investigated during 1987 and 1988 by ERM-West, Inc. A March 1988 report prepared by ERM-West, Inc., under contract N62474-85-D-5627, entitled *Contaminated Site Investigation at the Warehouse and Scrap Yard Area,* summarizes the results of these investigations. As part of these previous investigations, 14 monitoring wells and 52 soil borings were installed throughout these parcels. A total of 62 soil samples were collected from depths of zero to five feet below ground surface. The following compounds were detected in soil samples at concentrations below residential PRGs: TCE, TCA, benzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, toluene, xylenes, ethylbenzene, t-1,2-dichloroethene, c-1,2-dichloroethene, cadmium, chromium, lead, and nickel. Only arsenic, PCBs, and beryllium were detected above August 1994 residential PRGs. The concentrations of cadmium, chromium, lead, nickel, and benzene in groundwater samples collected in August 1987 exceed May 1993 USEPA or CalEPA MCLs. Current monitoring well data are not available to fully characterize the impacts to the parcels in Zone 16.

Another screening-level sampling effort documented in a 1993 PRC report indicated that soil, groundwater, air, and soil vapor samples were collected throughout Parcels 176 and 177, including the railroad track area. Soil vapor sampling on Parcels 176 and 177 was performed on a 50-foot interval grid. TCA, PCE, TCE, and TPH were detected in Parcel 176 soil vapor at maximum concentrations of 0.1 µg/L, 100 µg/L, 1 µg/L, and 1,000 µg/L, respectively TCA, TCE, and TPH were detected in Parcel 177 soil vapor at maximum concentrations of 0.1 µg/L, 0.1 µg/L, and 10,000 µg/L, respectively. Soil boring locations were chosen based on a 150-foot by 150-foot grid and locations of suspected chemical pathways and soil vapor survey results. A total of 132 soil samples were collected from the soil boring locations throughout Parcels 176 and 177. These soil samples were analyzed for priority pollutants including metals, cyanide, phenolics, pesticides/PCBs, VOCs, and SVOCs. Soil samples from Parcels 176 and 177 detected arsenic,

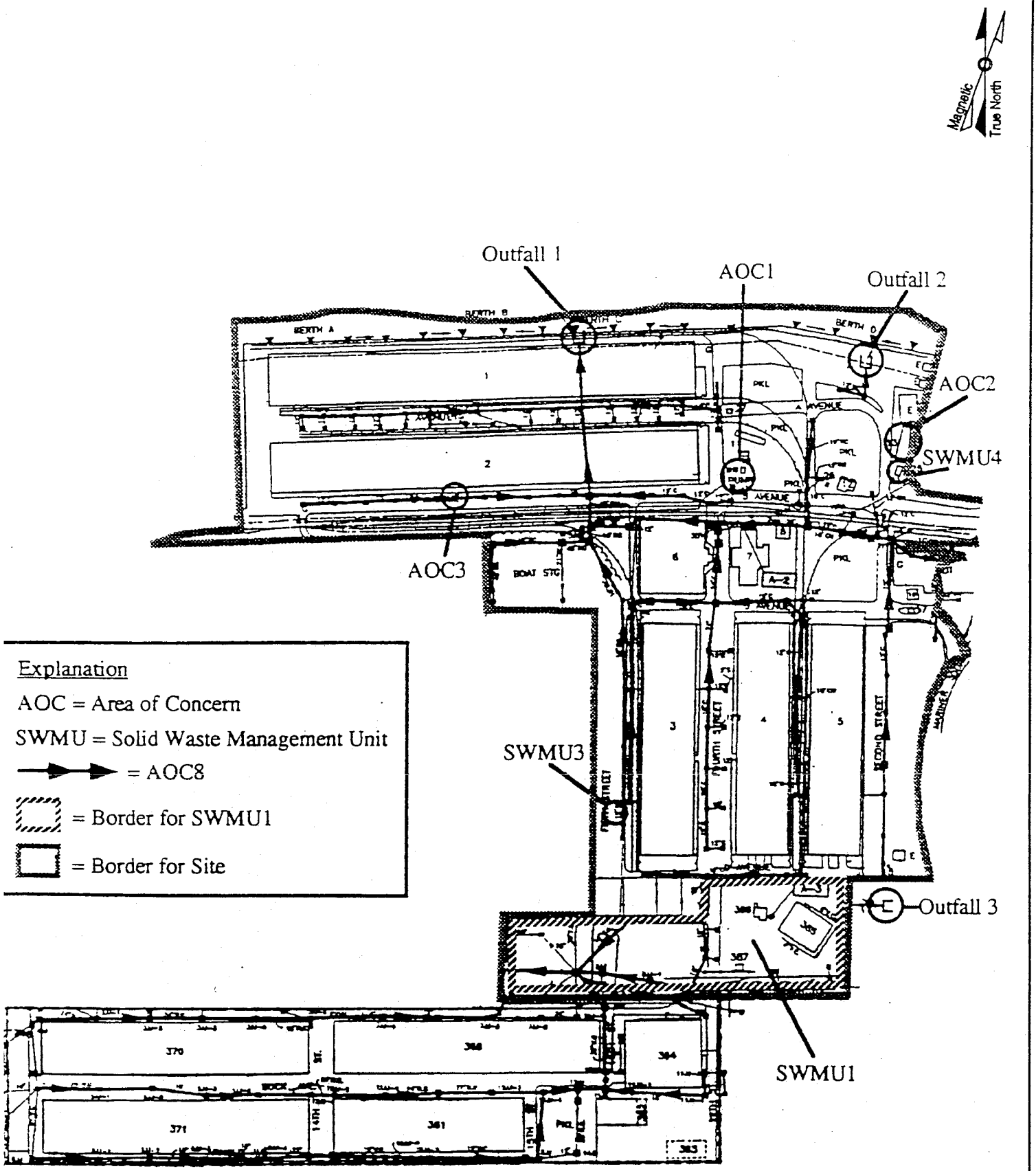
lead, and mercury, although only lead and arsenic exceeded the USEPA's August 1994 industrial PRGs for soil.

A total of 17 monitoring wells were installed throughout Parcels 176 and 177. Groundwater sampling results indicated the presence of heavy metals and volatile organic compounds. The concentrations of metals and volatile organic compounds detected were typically above USEPA and CalEPA December 1993 MCLs. Ambient air samples were also collected from Parcels 176 and 177. Arsenic, lead, and asbestos were detected at maximum concentrations of 0.81 ng/SCM, 84 ng/SCM, and 0.0039 f/cc, respectively.

In addition to comparing the existing data to PRGs, it is recommended that the parcel-specific and zone-wide sampling data be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, the background concentration may represent a more appropriate screening level than the concentration suggested by the PRGs.

Current Investigations

Current investigations are being performed at the Fleet and Industrial Supply Center, Oakland Alameda Facility/Alameda Annex Alameda, California. Figure 6-Z16-2 shows the general site layout of this study area. This investigation affects parcels in the Housing Zone within 500 feet of the study area including Parcels 171, 172, 173, 174, 175, 176, 177, 178 and 184, 179 and 180, 181, and 182. These parcels were investigated during the 1990s by PRC Environmental Management, Inc. and VERSAR, Inc. A May 1991 report and an October 1993 addendum were prepared by PRC Environmental Management, Inc. and VERSAR, Inc., under contract N62474-88-D-5086, entitled *Remedial Investigation/Feasibility Study Phase II Field Sampling Plan*, summarizes the results of current Phase IIA, IIB, and IIC investigative plans. The final RI/FS document is scheduled for delivery to the Navy on March 27, 1995. When all three phases of these current investigations are implemented, approximately 83 soil borings and 40 monitoring wells will be installed throughout the study area. Table 6-Z16-2 summarizes the total number of soil borings, monitoring wells, soil samples, and groundwater samples performed within the study area within each phase of the RI/FS. Soil samples are proposed to be collected at depths of 0.0 feet, 0.5 feet, 2.0 to 2.5 feet, 5.0 to 5.5 feet, and one directly above the soil/groundwater table interface. A radiological survey is proposed on a 50-foot grid for the screening lot



ource: PRC & Versar
ctober 27, 1993

1"=400'

Figure 6-Z16-2
General Site Layout
NAS Alameda, CA
ERM-West, Inc. 6/94
2121.90.12/GCF/07.05.94

TABLE 6-Z16-2

Phase II Estimated Number of Borings, Monitoring Wells, Soil Samples, and Groundwater Samples
NAS Alameda Zone 16

FLEET AND INDUSTRIAL SUPPLY CENTER, OAKLAND
ALAMEDA FACILITY/ALAMEDA ANNEX SITE

Site	Borings	Wells	Soil Samples[a]	Groundwater Samples[b]
Phase IIA				
SWMU 1	18	10	134	12
SWMU 3	3	0	14	0
SWMU 4	2	0	10	0
AOC 1	4	0	19	0
AOC 2	4	0	19	0
AOC 3	2	0	10	0
Phase IIA Subtotal	33	10	206	12
Phase IIB				
SWMU 1	18	5	110	6
SWMU 3	3	3	29	3
SWMU 4	0	2	9	3
AOC 1	6	4	48	5
AOC 2	4	3	33	3
AOC 3	4	4	38	5
Phase IIB Subtotal	35	21	267	25
Phase IIC				
SWMU 1	0	0	0	28
SWMU 3	3	3	29	4
SWMU 4	0	0	0	0
AOC 1	4	3	33	3
AOC 2	5	3	38	4
AOC 3	3	0	14	0
Phase IIC Subtotal	15	9	114	39
Estimated Total of Phases IIA, IIB, and IIC	83	40	587	76

[a] Soil sample number is based on a calculation of 4 samples per boring and 4 samples per well plus 20 percent for quality assurance samples.

[b] Groundwater samples will be collected from existing groundwater monitoring wells on a quarterly basis. Total samples shown are based on one round of sampling of Phase II, Phase I and other wells, plus 20 percent quality assurance samples.

Source: PRC and VERSAR., 1993

and scrapyard area. Lastly, three stormwater outfall locations are proposed to be sampled.

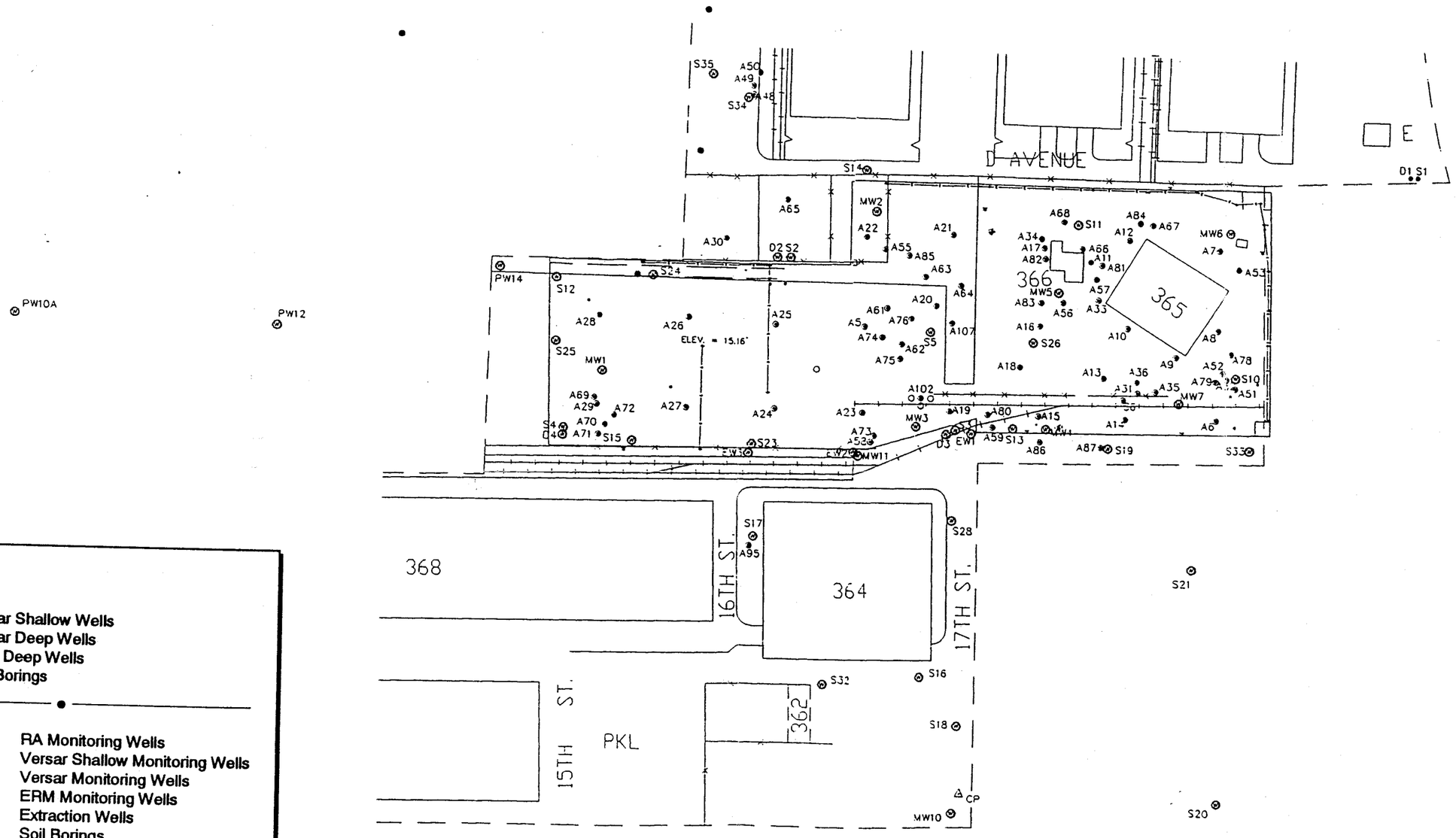
The status of current and proposed boring and monitoring well locations is illustrated in Figures 6-Z13-1 and 6-Z16-3. As part of Phase I of the RI/FS, VERSAR, Inc. installed 10 monitoring wells. This figure shows the current locations of 49 shallow and four deep monitoring wells installed by VERSAR, Inc., 14 monitoring wells installed by ERM-West, Inc., and 115 to 117 boring locations. The "PW" series of number indicates RA monitoring wells; the "S" series indicates VERSAR, Inc. shallow monitoring wells; the "D" series indicates VERSAR, Inc. deep monitoring wells; the "MW" series indicates ERM-West, Inc. monitoring wells; and the "EW" series indicates extraction wells. The "A" designation indicates soil borings.

Boring and monitoring well locations for Phase IIC of the RI/FS are not shown on Figures 6-Z16-1 and 6-Z16-3. A total of seven monitoring wells and nine borings are currently being installed throughout the study area. None of the soil borings and only three of the seven monitoring wells (S45, S46, and S47) are located within Zone 16 in Parcel 181 as illustrated on Figure 6-181-1.

Current results of unvalidated data are summarized below. Several compounds were detected in soil samples including VOCs, SVOCs (including PAHs), TPH, and metals. Vinyl chloride was the only VOC detected at concentrations above both industrial and residential August 1994 PRGs in a soil sample from boring A109 at a depth of 6.5 feet below ground surface (bgs). VERSAR indicated that preliminary soil sampling results at monitoring wells S45, S46, and S47 detected high benzene concentrations at the former wetlands crust (10,000 µg/kg benzene detected at boring S46 at a depth of 16 feet bgs); however analytical results were not available to confirm this assertion. The concentration of benzene in the soil sample at S45 at a depth of 16 feet bgs and S47 at a depth of 17.5 feet bgs were 4 µg/kg and 1,100 µg/kg respectively.

Most SVOCs were detected above both industrial and residential PRGs in soil samples from monitoring wells S45, S46, and S47 between 13.0 and 16.0 feet bgs. Most inorganic compounds were detected below residential August 1994 PRGs; however, arsenic was commonly detected above both industrial and residential August 1994 PRGs and chromium was commonly detected above residential August 1994 California modified PRGs. Most soil samples indicated the presence of aluminum above residential August 1994 PRGs.

TPH gasoline, TPH motor oil, and TPH diesel were detected in soil samples from this study area. TPH gasoline concentrations ranged



Legend

Totals:

49	Versar Shallow Wells
4	Versar Deep Wells
14	ERM Deep Wells
115-117	Soil Borings

PW Series	RA Monitoring Wells
S Series	Versar Shallow Monitoring Wells
D Series	Versar Monitoring Wells
MW Series	ERM Monitoring Wells
EW Series	Extraction Wells
"A" Designation	Soil Borings

Source: PRC Environmental Management, Inc.
August 31, 1994

1"=200'

Figure 6-Z16-3
Screening Lot and Scrapyard Area Boring/Well Location Map
NAS Alameda, CA
ERM-West, Inc. 6/94
2121.90.12/GCF/07.05.94

from 750 µg/kg in monitoring well S45 at 13 feet bgs to 250,000 µg/kg in monitoring well S47 at 14.5 feet bgs. TPH motor oil concentrations ranged from 7,100 µg/kg in monitoring well S47 at 5.5 feet bgs to 9,700,000 µg/kg in monitoring well S47 at 14.5 feet bgs. TPH diesel concentrations ranged from 20,000 µg/kg in monitoring well S47 at 16 feet bgs to 2,500,000 µg/kg in monitoring well S47 at 14.5 feet bgs.

An abandoned 12,000-gallon underground storage tank (AOC-1), located approximately 800 feet northeast of Parcel 181, was removed in October 1994 as part of an investigation by the NSC Annex IR contractor. Preliminary results of soil and groundwater samples collected during a remedial investigation/feasibility study of the site in the second quarter of 1994 indicate the presence of TPH-gasoline and benzene in the subsurface. TPH-gasoline was detected in soil samples at concentrations ranging from 500 µg/kg to 11,000,000 µg/kg. TPH-gasoline and benzene were detected in water samples at concentrations ranging from 37 µg/L to 430 µg/L and 2 µg/L to 16 µg/L, respectively.

In addition to comparing the current data to PRGs, it is recommended that the parcel-specific and zone-wide sampling data be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, the background concentration may represent a more appropriate screening level than the concentration suggested by the PRGs.

Underground Storage Tanks

No evidence of underground storage tanks has been identified in this zone. Neither the document review nor the site inspection identified any information that indicated that any tanks are or may have been present in this zone. The boundary conditions discussion below provides for additional information about underground storage tanks outside the zone boundaries.

RCRA Sites

No RCRA sites are located in this zone.

Zone Boundary Conditions

Zone 16 is bounded by (clockwise from north central boundary) the Todd Shipyard, Naval Supply Center Facility Alameda, College of

Alameda, private multi-family housing complexes, Zone 21 (Naval Exchange Commercial Zone), Zone 20 (Service Station Zone-IR Site 7A), Zone 17 (Engine Testing and Hazardous Materials Storage Zone), Zone 13 (Central Light Industrial Zone), Zone 15 (Bachelor Officers' Quarters Zone), and Zone 8 (North Central Recreational Zone). Concerns in adjacent zones are detailed in corresponding ZAPs and PEPs. Potentially significant concerns include surface soil impacts from heavy metals carried in fugitive dust from Todd Shipyard, and organic compounds including fuel and solvents present in groundwater beneath several nearby IR sites (IR Sites 3, 6, 7A, and 7B).

One UST (tank T10-1 in AOC-1) was removed during the week of September 26, 1994 from the Naval Supply Center facility located approximately 700 feet northeast of Parcel 181. The 12,000-gallon tank formerly held gasoline. Based on soil and groundwater sampling that were performed prior to removal, this tank was determined to be leaking prior to removal. Five of the eight USTs associated with the service station in Zone 20 (IR Site 7A) are inactive. Based on previous investigations, some or all of these five tanks may have previously impacted surrounding soil and groundwater. The inactive tanks formerly contained gasoline (Tanks 459-4, 459-5, and 459-6), waste oil (Tank 459-7), and solvents (Tank 459-8).

Zone Target Areas and Compounds of Concern

This zone contains three zone-wide target areas and 18 parcel-specific target areas. This subsection of the ZAP discusses specific zone-wide target areas and provides an overview of the specific parcel target areas. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this zone. Detailed information regarding the parcel-specific target areas and the proposed sampling is provided in the PEPs for individual parcels. The nature and locations of the zone-wide and parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. In addition, parcel-specific data gaps pertaining to asbestos, lead-based paint, PCBs, underground sewer lines, radiological concerns, and USTs must be resolved before this zone can be leased or transferred.

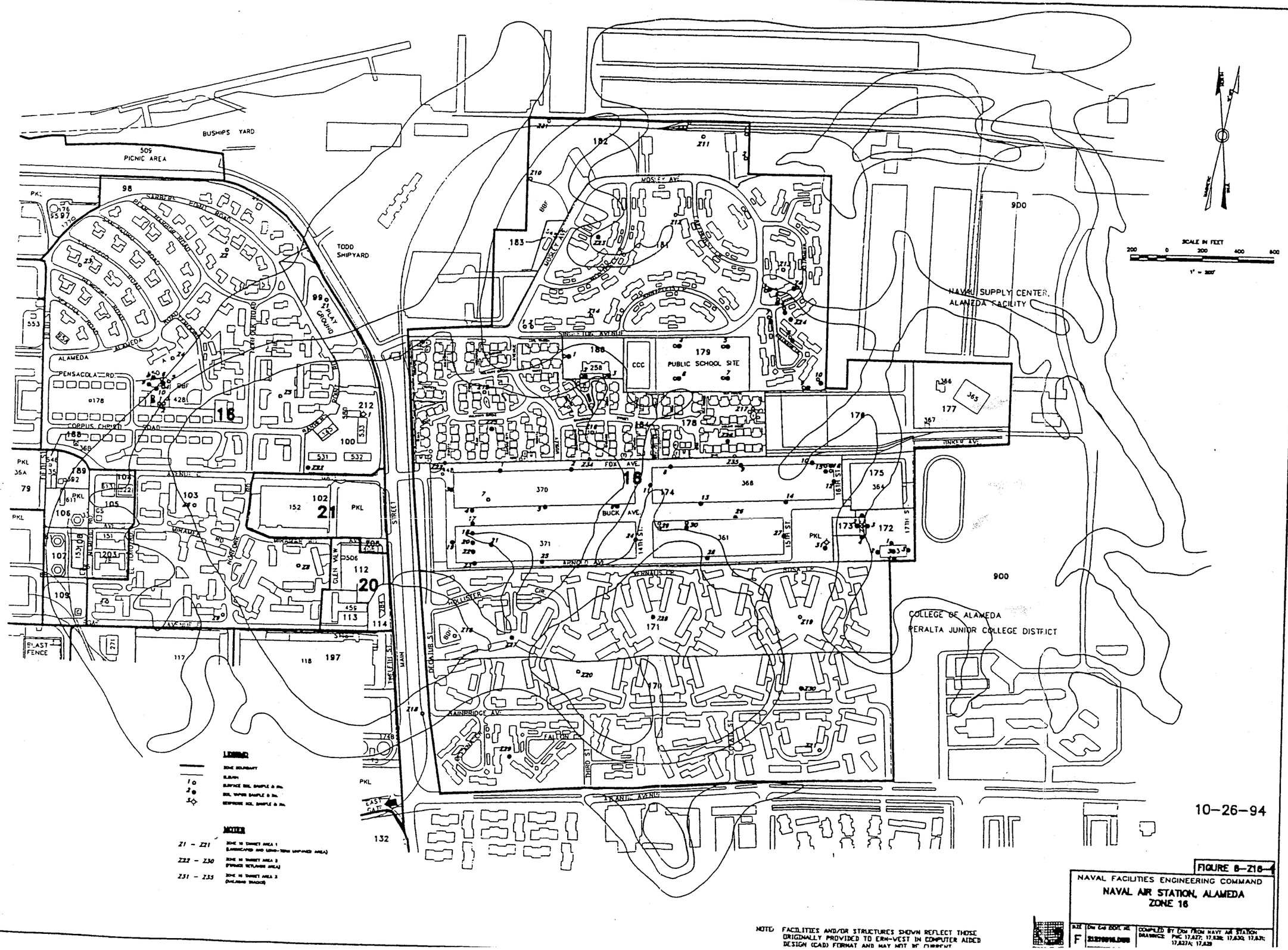
Zone 16 Target Areas

- Target Area Z1 (Landscaped Areas): This target area includes all landscaped and current/former unpaved areas within the Housing Zone. Landscaped and unpaved areas maintained since

approximately 1940 may have been impacted by pesticide residues. Pesticides that may have been applied historically in this target area include persistent compounds such as DDT and PCBs. As a special precaution for this residential zone, a range of landscaped and unpaved areas will be sampled to assess potential risk, if any, from historical pesticide application. This target area is classified as having potential likelihood of impacts. Surface soil samples for pesticides will be collected from 21 zone-wide locations. Samples should be collected from a variety of areas including open grass areas, edges of sidewalks and building foundations, and in unpaved areas that are not landscaped. The surface soil sampling density for pesticides and PCBs has been decreased from the base density promulgated in the protocols in Section 5 based on the large size of the landscaped area. Samples to be collected in this target area are listed in Table 6-Z16-1. Approximate sampling locations are shown on Figure 6-Z16-1.

In addition to potential zone-wide pesticide releases in the landscaped and unpaved areas in Zone 16, certain parcels within this zone also contain potential parcel-specific pesticide concerns. Potential parcel-specific pesticide concerns have been identified in Parcels 98, 103, 179 and 180. These concerns are associated with potential high use (e.g. storage) areas that are not representative of the zone as a whole, or where an extra level of caution is desired. These parcel-specific concerns are summarized in the following subsections and are described in detail in the individual PEPs.

- Target Area Z2 (Filled Wetlands): Target Area Z2 includes all parcel areas in the Housing Zone north of Atlantic Avenue that overlie former wetlands (Parcels 100, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, and 212). This target area also includes portions of Parcels 98, 99, and 103. These areas may have been impacted by historical (prior to filling) releases or disposal of organic compounds from a nearby oil refinery and two gas manufacturing plants. Figure 6-Z16-4 shows the sloughs associated with the former wetlands at Alameda Annex. Subsurface soil samples collected on Parcel 181 as part of the investigation of the Naval Supply Center contained elevated levels of benzene and naphthalene. The soil samples contained a tar-like material. The affected horizon was between 16 and 20 feet below the ground surface (bgs). This impacted horizon was encountered approximately 8 to 12 feet below the water table and was interpreted as the top of the pre-fill marsh sediments. Preliminary sampling results indicate that benzene concentrations for saturated soil samples from this layer were as high as 10 ppm. Groundwater concentrations were much lower (in the parts per billion range) than the soil concentrations. Fourteen



NOTE: FACILITIES AND/OR STRUCTURES SHOWN REFLECT THOSE ORIGINALLY PROVIDED TO ERM-WEST IN COMPUTER AIDED DESIGN (CAD) FORMAT AND MAY NOT BE CURRENT.

FIGURE 6-Z16-1

NAVAL FACILITIES ENGINEERING COMMAND

NAVAL AIR STATION, ALAMEDA
ZONE 16

SIZE	DWG CAD DOC. NO.	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS:
F	2132016.DWG	PWC 17,827; 17,828; 17,830; 17,831; 17,827A; 17,829

soil vapor samples will be collected in Zone 16 to assess potential migration of VOCs to soil vapor in unsaturated fill. This target area is classified as having potential likelihood of impacts. The soil vapor sampling density for VOCs has been decreased from the base density promulgated in the protocols in Section 3 based on the large size of the landscaped area. Samples to be collected in this target area are listed in Table 6-Z16-1. Approximate sampling locations are shown on Figure 6-Z16-1.

Subsequent (detailed evaluation phase) investigations may include the collection of Geoprobe subsurface soil samples from the affected horizon. Geoprobe subsurface soil sampling is not required during this phase of the investigation because soil vapor data will provide an adequate assessment of potential risks to human health, and because the general extent of the affected area has been established from prior investigations and document review.

- Target Area Z3 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Housing Zone. Railroad track locations include the northern boundary of Parcel 182 (former railroad tracks), the eastern side of Main Street, and the border between Parcels 174 and 178. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars, engines, and ties. This target area is classified as having potential likelihood of impacts. Surface soil samples will be collected approximately every 800 linear feet along the three track areas for a total of five zone-wide sampling locations. Samples should be taken from a variety of locations along the railroad tracks including switches, in front of buildings, and along long stretches of track. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by use of historical maps, shallow exploratory excavations, metal detectors, or other appropriate means. Samples to be collected in this target area are listed in Table 6-Z16-1. Approximate sampling locations are shown on Figure 6-Z16-1.

Parcels 99, 170, 171, 175, 176, 177, 178, 183, 184, and 212 Target Areas

No parcel-specific target areas were identified on these parcels.

Parcel 98 Target Areas

Two parcel-specific target areas were identified for Parcel 98 as indicated below. Seven surface soil and five soil vapor samples will be collected from this parcel. Sample locations are shown on Figure 6-98-1.

- Target Area 1 (Building 195): The unpaved floor of Building 195 may have been impacted by the storage and use of hazardous substances including pesticides, PCBs, and petroleum products (gasoline, diesel fuel, and motor oil). This target area covers approximately 950 square feet. The likelihood that environmental impacts have occurred in this target area is classified as suspect. Samples to be collected in Target Area 1 are listed in Table 6-98-1.

- Target Area 2 (Maintenance Yard): The Maintenance Yard covers approximately 60,000 square feet. The soil in the area along the eastern side of Building 550 may have been impacted by the storage and use of potentially hazardous substances related to grounds maintenance activities. Staining around Building 550 (Grounds Maintenance) indicates that releases have occurred. In addition, staining observed in the junked equipment area (abandoned vehicles, etc.), which is located to the southwest of Building 550, indicates that releases have occurred. Potential compounds of concern in Target Area 2 include pesticides, herbicides, PCBs, solvents, and petroleum products (gasoline, diesel fuel, and motor oil). The likelihood that environmental impacts have occurred in this target area is classified as potential. Samples to be collected in Target Area 2 are listed in Table 6-98-1.

Parcel 100 Target Areas

- Target Area 1, Buildings 2 and 580: Potential releases of TPH and VOCs from leaks or spills in or near these storage sheds is a concern in this area. One subsurface Geoprobe soil sample will be collected from this target area. The sample to be collected in this target area are listed on Table 6-100-1.

Parcel 103 Target Area

- Target Area 1 (Area of former Building 83): Pesticides are documented to have been stored in a portion of former Building 83 from 1945 to approximately 1960. This target area covers approximately 26,000 square feet and has been classified as having a potential likelihood of impacts. Two surface soil samples are to be collected from this target area and are listed in Table 6-103-1.

Parcel 172 Target Area

- Target Area 1 (Concrete Foundation of Former Building 363): Hazardous materials (including flammable and non-flammable liquids) stored in Conex boxes are the primary compounds of concern. Although Conex boxes were observed throughout the site during the visual inspection, hazardous materials were stored only on or adjacent to the concrete foundation. Therefore, only the concrete foundation and its boundaries are considered to be the target area. The four soil vapor samples that will be collected from this target area are listed in Table 6-172-1.

Parcel 173 Target Area

- Target Area 1 (Concrete Foundation of Former Building 362): Hazardous materials (including flammable and non-flammable liquids) stored in Conex boxes are the primary compounds of concern. Although Conex boxes were observed throughout the site during the visual inspection, hazardous materials were stored only on or adjacent to the concrete foundation. Therefore, only the concrete foundation and its boundaries are considered to be the target area. The four soil vapor samples that will be collected from this target area are listed in Table 6-173-1.

Parcel 174 Target Areas

Six parcel-specific target areas were identified for Parcel 174 as indicated below. Thirty soil vapor samples, ten surface soil samples, and one subsurface Geoprobe soil sample will be collected from this parcel. Sample locations are shown on Figure 6-174-1.

- Target Area 1 (Building 370 and southern perimeter): This target area addresses the possible release of compounds of concern associated with hydraulic fluid and lubricating oil storage in the middle unlabeled bay, and flammable liquids and poisons storage in the Conex boxes. The thirteen soil vapor samples that will be collected from this target area are listed in Table 6-174-1.

- Target Area 2 (Building 368): This target area addresses the possible release of compounds of concern associated with use and storage of PET, brake fluid, engine oil, and WD-40 associated with forklift activity throughout the building, and the forklift repair and maintenance shop in Bay M. The thirteen soil vapor samples that will be collected from this target area are listed in Table 6-174-1.

- Target Area 3 (Bay A in Building 371): This target area addresses the possible release of compounds of concern associated with storage of lubricating oil, spray paint, corrosives, halogenated organic compounds, and petroleum products within Bay A, along with storage of hazardous waste in the hazardous waste accumulation area. The seventeen soil vapor samples that will be collected from this target area are listed in Table 6-174-1.

- Target Area 4 (Building 371 excluding Bay A): This target area addresses the possible release of compounds of concern associated with storage of paint and medical equipment. The seven soil vapor samples that will be collected from this target area are listed in Table 6-174-1.

- Target Area 5 (Building 361): This target area addresses the possible release of compounds of concern associated with storage of paint, battery acid, engine coolant, TCE, pesticides, and hazardous waste. The eleven soil vapor samples and four surface soil samples that will be collected from this target area are listed in Table-6-174-1.

- Target Area 6 (diesel tank and drums within Open Space I): This target area addresses the possible release of compounds of concern associated with storage of diesel fuel and hazardous waste. The one soil vapor sample and one subsurface GeoProbe sample that will be collected from this target area are listed in Table 6-174-1.

Parcels 179 and 180 Target Area

Two parcel-specific target areas were identified for Parcel 179 and 180 as indicated below. Seven surface soil samples, ten soil vapor samples, and a minimum of four environmental air samples will be collected from this parcel. Sample locations are shown on Figure 6-179-1.

- Target Area 1 (Open Spaces I and II): This target area may have been impacted by activities at adjacent Parcels 178 and 181, nearby Parcels 176 and 177 (the Scrapyard IR Site), and the filled wetlands. The target area covers approximately 130,000 square feet. This target area has been classified as having a potential likelihood of impacts. Three surface soil samples and three soil vapor samples will be collected from three locations in the grassy or unpaved areas of Parcel 180. A total of four surface soil samples and four soil vapor samples will be collected from four locations in the grassy and paved areas of Parcel 179. One soil vapor sample will be collected at the boundary between Parcels 179 and 180 to the west of the George P. Miller Elementary School. Two additional soil vapor samples will be collected on the north and south sides of the George P.

Miller School's building foundation on Parcel 179. Samples to be collected in this target area are listed in Table 6-179-1.

- Target Area 2 (The School Crawl Space): This target area may have been impacted by the accumulation of VOCs that may have off-gassed from the filled wetlands. The target area covers approximately 22,500 square feet. This target area has been classified as having a potential likelihood of impacts. A minimum of four environmental air samples will be collected from the crawl space below the school on Parcel 179. Samples to be collected in this target area are listed in Table 6-179-1.

Parcel 181 Target Areas

Three parcel-specific target areas were identified for Parcel 181 as indicated below. Ten surface soil samples and eight soil vapor samples will be collected from this parcel. Sample locations are shown on Figure 6-181-1.

- Target Area 1 (Southwest Area): Based on soil sampling results in the northern portion of Parcel 178 (former warehouse area), which abuts the southwestern boundary of Parcel 181, elevated concentrations of metals may also be present in Target Area 1. This area has been classified as having a potential likelihood of impacts. Two surface soil samples will be analyzed for metals. Samples to be collected in Target Area 1 are listed in Table 6-181-1.

- Target Area 2 (Southeast Area): Based on stains that were observed in a 1966 aerial photograph, six locations in Target Area 2 will be sampled for VOCs, TPH, and metals. Although the staining was approximately 63,000 square feet in area, only six locations will be sampled because of subsequent housing development and accessibility issues. Samples to be collected in Target Area 2 are listed in Table 6-181-1.

- Target Area 3 (Southeast Corner): This corner of the parcel will be targeted as a potential area for VOCs, TPH, metals and PCBs due to its proximity to Parcel 176 and Parcel 177 (Scrapyard IR site). Only two locations will be sampled from this area. Samples to be collected in Target Area 4 are listed in Table 6-181-1.

Parcel 182 Target Area

- Target Area 1 (Eastern Parcel Boundary): The soil adjacent to the Naval Supply Center (NSC) east of Parcel 182 may have been

impacted by ongoing storage activities at the NSC. The two surface soil samples that will be collected from this target area are listed in Table 6-182-1.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in the zone and parcel-specific target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3), soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), and environmental air sampling (SOP 22)

Table 6-Z16-1 summarizes screening-level sampling and analysis for the zone target areas. For the zone target areas, a total of 26 surface soil samples and 14 soil vapor samples will be collected from the locations shown on Figure 6-Z16-1. For the parcel-specific target areas, a total of 46 surface soil samples, 61 soil vapor samples, two GeoProbe subsurface soil sample, and a minimum of four environmental air samples will be collected from the designated target areas. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the zone areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Follow-up air sampling of the school crawl space will be performed in the summer season to determine if seasonal temperature increases affect the potential volatilization and accumulation of VOCs in the crawl space. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

ZONE 16 ATTACHMENT A

PREVIOUS INVESTIGATION DATA

October 28, 1994

DOCUMENTS LIST (IN CHRONOLOGICAL ORDER)

ZONE 16 HOUSING ZONE

Correspondence. Dated 29 June 1981 from Commanding Officer, WESTDIV to Commanding Officer, Naval Supply Center-Oakland and Commanding Officer, Naval Air Station-Alameda. SUBJECT: *Transfer of Naval Air Station, Alameda Annex to Naval Supply Center, Oakland.* Correspondence includes plat map.

WESTDIVNAVFACENGCOM. April 28, 1987. *Soil Data and Related Construction Requirements for New Family Housing Project FY88, Alameda Naval Supply Annex, Alameda, California.*

ERM-West, Inc. September 1987. *Contaminated Site Investigation at the Screening Lot and Scrapyard Area, Naval Supply Center Alameda Annex.* Department of the Navy WESTDIVNAVFACENGCOM.

Naval Energy and Environmental Support Activity (NEESA). April 1988. *Preliminary Assessment Report, Naval Supply Center, Alameda Annex and Facility. EPA ID No. CA 1170090012.* NEESA 13-148PA.

Naval Energy and Environmental Support Activity (NEESA). May 1988. *Preliminary Assessment Report Amendment Naval Supply Center, Alameda Annex and Facility. EPA ID No. CA 1170090012.* NEESA 13-148PA/2.

ERM-West, Inc. May 1988. *Revised Final Report, Naval Supply Center Oakland, California, Tank Testing Study, Delivery Order #0032.* Department of the Navy WESTDIVNAVFACENGCOM.

ERM-West, Inc. May 1988. *Site Investigation at the Warehouse Area-Phase II. Naval Supply Center Alameda Annex.* Department of the Navy WESTDIVNAVFACENGCOM.

Brian Kangas Foulk. May 1988. *Site Engineering Investigation, New Family Housing Project (946 Units) FY89 Project H-056 and 2 Out-Year Projects, Naval Air Station Alameda, California.* Department of the Navy WESTDIVNAVFACENGCOM.

Woodward-Clyde Consultants. October 1988. *Final Submittal Environmental Site Compatibility Study for FY 89/90 Family Housing Program. Naval Supply Center, Oakland Alameda Annex.* Department of the Navy WESTDIVNAVFACENGCOM.

WESTDIVNAVFACENGCOM. February 21, 1989. *Solicitation, Offer, and Award for 300 Family Housing Units at the Alameda Annex, California.* Public Works Center.

PRC Environmental Management, Inc. November 29, 1989. *Final Report Shallow Soil Gas Investigation.* Naval Supply Center Oakland, Alameda Annex. Department of the Navy WESTDIVNAVFACENGCOM.

PRC Environmental Management, Inc. July 23, 1990. *Final Sampling and Analysis Report, Air Sampling and Analysis, Military Family Housing, Naval Air Station, Alameda North Housing Site, Alameda, California.* Department of the Navy WESTDIVNAVFACENGCOM.

PRC Environmental Management, Inc. July 6, 1990. *Community Relations Plan, Naval Supply Center Oakland Alameda Annex and Facility, Alameda, California.* Department of the Navy WESTDIVNAVFACENGCOM.

Correspondence. Dated November 7, 1990 from Dr. Allan Susten, Chief Technical Support Section, Emergency Response and Consultation Branch (ERCB), Division of Health Assessment and Consultation (DHAC), Agency for Toxic Substances and Disease Registry (ATSDR) to Gwendolyn Eng, Regional Representative, Department of Health and Human Services. SUBJECT: *Health Consultation, Naval Supply Center Oakland Alameda Annex, Alameda, California.* Letter summarizes the ATSDR comments on the Risk Assessment Report for The Alameda Annex. The ATSDR concurred with the Report's conclusions that migration of benzene and other soil gases into the homes from site-related contaminants in groundwater is not likely to represent a public health threat.

Correspondence. Dated November 20, 1990 from Gwendolyn Eng, Regional Representative, Department of Health and Human Services to Commander, WESTDIVNAVFACENGCOM. SUBJECT: *Health Consultation, Naval Supply Center Oakland Alameda Annex, Alameda, California.* Letter states that the health consultation prepared by Dr. Susten on November 7, 1990 concurs with the findings of the Risk Assessment Report dated October 2, 1990.

Correspondence. Dated December 1990 from Commander, WESTDIVNAVFACENGCOM to Naval Inspector General. SUBJECT: *NAS Alameda Family Housing Project.* Letter recommends that periodic sampling of indoor ambient air quality be conducted at the Family Housing Unit to assure that levels remain below level of health concern.

PRC Environmental Management, Inc. October 2, 1990. *Risk Assessment Report, Military Housing Site, Naval Supply Center Oakland, Alameda Annex, Alameda, California.* Department of the Navy WESTDIVNAVFACENGCOM.

PRC Environmental Management, Inc. May 30, 1991. *RI/FS Final Field Sampling Plan. Screening Lot and Scrapyard Area, Naval Supply Center, Oakland, Alameda Annex and Facility, Alameda, California.* Department of the Navy WESTDIVNAVFACENGCOM.

PRC Environmental Management, Inc. May 30, 1991. *Final RI/FS Work Plan. Screening Lot and Scrapyard Area, Naval Supply Center, Oakland, Alameda Annex and Facility, Alameda, California.* Department of the Navy WESTDIVNAVFACENGCOM.

PRC Environmental Management, Inc. May 30, 1991. *RI/FS Final Health and Safety Plan, Screening Lot and Scrapyard Area, Naval Supply Center Oakland Alameda Annex and Facility, Alameda, California.* Department of the Navy WESTDIVNAVFACENGCOM.

PRC Environmental Management, Inc. May 30, 1991. *RI/FS Final Quality Assurance Project Plan, Screening Lot and Scrapyard Area, Naval Supply Center Oakland Alameda Annex and Facility, Alameda, California.* Department of the Navy WESTDIVNAVFACENGCOM.

PRC Environmental Management, Inc. March 26, 1993. *Final Report Air Sampling and Analysis, Naval Family Housing Area, Naval Supply Center Oakland Alameda Annex, Alameda, California.* Department of the Navy WESTDIVNAVFACENGCOM.

PRC Environmental Management, Inc. and Versar, Inc. October 27, 1993. *Final RI/FS Phase II Work Plan Addendum. FISC, Oakland, Alameda Facility/Alameda Annex Site, Alameda, California.* Department of the Navy WESTDIVNAVFACENGCOM.

PRC Environmental Management, Inc. and Versar, Inc. October 27, 1993. *RI/FS Phase II Field Sampling Plan Addendum. FISC, Oakland, Alameda Facility/Alameda Annex Site, Alameda, California.* Department of the Navy WESTDIVNAVFACENGCOM.

PRC Environmental Management, Inc. and Versar, Inc. October 27, 1993. *Final RI/FS Phase II Quality Assurance Project Plan Addendum. FISC, Oakland, Alameda Facility/Alameda Annex Site, Alameda, California.* Department of the Navy WESTDIVNAVFACENGCOM.

Correspondence. Dated 31 March 1994 from Henry C. Gee, Deputy Team Leader, Base Closure Team to Joseph Chou, Cal EPA DTSC,

Region 2. SUBJECT: *RI/FS for FISCO, Alameda Facility/Alameda Annex Site.* Letter details discovery of low level radioactive waste at the Screening Lot and Scrapyard Area Site.

Correspondence. Dated 12 April 1994 from Commander, WESTDIVNAVFACENGCOM to Cal EPA DTSC Region 2, California RWQCB, California Fish and Game, USEPA, US Fish and Wildlife, BAAQMD, Bay Conservation and Development Commission, and NOAA. SUBJECT: *RI/FS for FISCO, Alameda Facility/Alameda Annex Site.* Meeting minutes summarize the radiological survey of the Screening Lot and Scrapyard conducted on March 22-24, 1994.

PRC Environmental Management, Inc. and Versar, Inc. May 10, 1994. *Draft Radiological Sampling Health and Safety Plan Attachment. FISCO Alameda Facility/Alameda Annex Site, Alameda, California.* Department of the Navy WESTDIVNAVFACENGCOM.

Correspondence. Dated 1 August 1994 from Joseph Chou, RPM Base Closure Unit Office of Military Facility, Cal EPA DTSC Region 2 to Ernie Galang, WESTDIVFACENGCOM. SUBJECT: *Draft Radiological Sampling Health and Safety Plan Attachment, FISCO, Alameda Facility and Annex.* Letter transmits DTSC comments on the referenced document.

PRC Environmental Management, Inc. and Versar, Inc. August 26, 1994. *RI/FS Removal Action EE/CA for PCB- and Lead-Contaminated Soils. FISC, Oakland, Alameda Facility/Alameda Annex Site Screening Lot and Scrapyard Area, Alameda, California.* Department of the Navy WESTDIVNAVFACENGCOM.

PRC Environmental Management, Inc. and Versar, Inc. August 31, 1994. *FISC, Oakland Alameda Facility/Alameda Annex Site RI/FS Technical Review Committee Presentation.* Department of the Navy WESTDIVNAVFACENGCOM.

DEPARTMENT OF THE NAVY
WESTERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CONTRACT N62474-85-D-5627

CONTAMINATED SITE INVESTIGATION AT THE SCREENING LOT AND SCRAPYARD AREA

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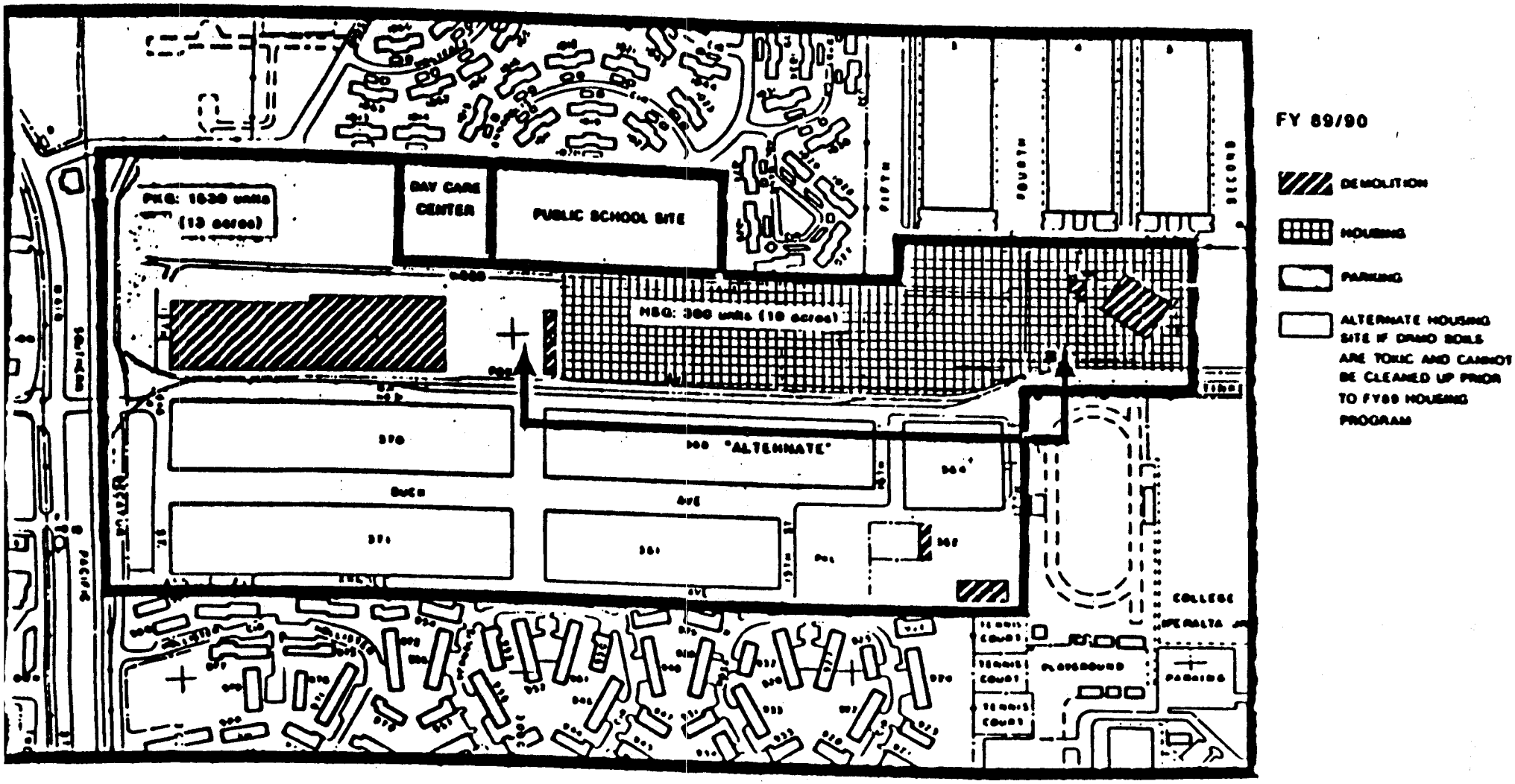
NAVAL SUPPLY CENTER
ALAMEDA ANNEX/DRMO SCREENING LOT
AND SCRAPYARD AREA

Alameda, California

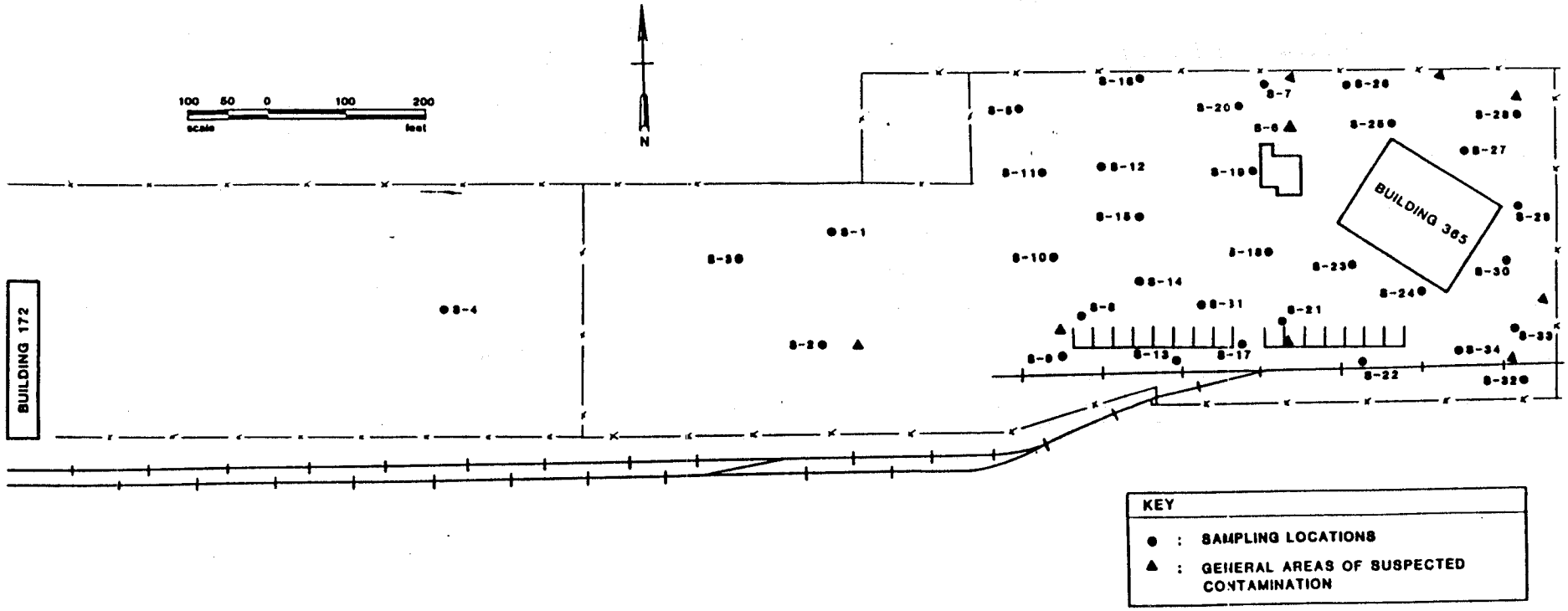
September 1987



NAS ALAMEDA ANNEX

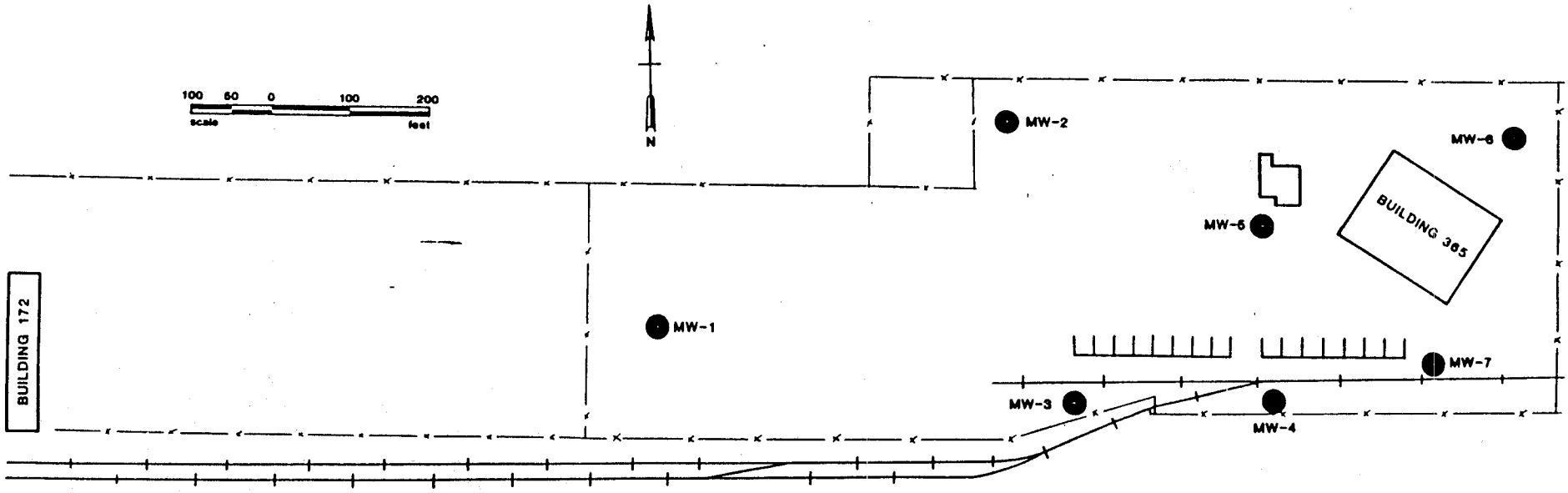
SITE PLAN

FIGURE 2-1



SOIL SAMPLING LOCATIONS

FIGURE 3-1



MONITORING WELL LOCATIONS

FIGURE 3-2

TABLE 4-2
SUMMARY OF HEAVY METALS FOUND IN SURFACE SOIL SAMPLES

SAMPLE IDENTIFICATION	METAL CONCENTRATION (MG/KG)												
	ANTIMONY	ARSENIC	BERYLLIUM	CADMIUM	CHROMIUM	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM	ZINC
S-1	ND	1.3	0.3	0.12	26	24	6.3	0.068	30	ND	0.31	3.3	34
S-2	ND	0.54	0.2	0.11	14	27	85	0.075	16	ND	0.4	4.9	78
S-3	ND	2.2	0.2	0.058	27	11	20	0.060	27	ND	0.2	2.2	32
S-4	ND	0.077	0.5	ND	31	31	6.0	0.18	66	ND	0.3	3.2	50
S-5	ND	0.63	0.3	ND	17	36	6.6	0.005	62	ND	1.1	11	34
S-6	ND	2.1	0.3	0.15	36	16	22	0.11	24	ND	0.4	3.5	40
S-7	ND	2.3	0.2	ND	31	33	20	0.035	37	ND	0.4	4.1	56
S-8	ND	0.11	0.1	0.13	5.0	19	5.4	0.061	4.3	ND	0.2	2.2	68
S-9	ND	0.11	ND	ND	4.7	37	6.6	0.15	4.5	ND	0.2	2.1	72
S-10	ND	0.11	0.2	0.09	5.5	28	4.2	0.029	5.5	ND	0.4	4.2	53
S-11	ND	0.95	ND	ND	17	12	10	0.023	21	ND	0.1	1.6	24
S-12	ND	0.81	0.1	ND	25	7.4	11	0.020	25	ND	0.2	1.8	24
S-13	ND	0.19	ND	ND	5.0	55	4.9	0.10	8.5	ND	0.2	2.3	85

TABLE 4-2
SUMMARY OF HEAVY METALS FOUND IN SURFACE SOIL SAMPLES

SAMPLE IDENTIFICATION	METAL CONCENTRATION (MG/KG)												
	ANTIMONY	ARSENIC	BERYLLIUM	CADMIUM	CHROMIUM	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM	ZINC
S-14	ND	0.83	0.2	ND	6.5	32	4.8	0.16	9.6	ND	0.4	3.5	96
S-15	ND	1.5	0.3	0.07	37	14	21	0.025	33	ND	0.5	4.4	41
S-16	ND	0.17	0.2	ND	11	14	4.1	0.12	10	ND	0.2	2.2	55
S-17	ND	0.10	ND	0.09	6.1	60	3.7	0.066	7.5	ND	0.3	3.0	70
S-18	ND	0.54	0.2	0.16	7.6	39	3.8	0.30	9.4	ND	0.4	3.6	94
S-19	ND	2.2	0.3	0.56	32	24	5.7	0.097	31	ND	0.5	4.2	99
S-20	ND	0.35	0.3	0.09	27	33	24	0.066	27	ND	0.6	5.5	54
S-21	ND	9.4	0.2	0.12	4.7	25	2.3	0.080	3.8	ND	0.4	3.2	74
S-22	ND	1.8	0.2	0.15	13	38	400	0.59	16	ND	1.2	14	48
S-23	ND	2.7	0.3	ND	13	34	4.3	0.013	15	ND	0.5	4.7	65
S-24	ND	7.1	0.3	0.16	36	29	8.5	0.26	32	0.05	0.4	3.6	72
S-25	ND	1.3	0.3	2.0	28	23	16	0.10	27	ND	0.6	4.8	130
S-26	ND	1.4	0.3	0.2	34	36	40	0.075	35	ND	0.7	6.4	58
S-27	ND	0.55	0.3	0.63	13	18	31	0.074	14	ND	0.6	6.2	64

TABLE 4-2
SUMMARY OF HEAVY METALS FOUND IN SURFACE SOIL SAMPLES

SAMPLE IDENTIFICATION	METAL CONCENTRATION (MG/KG)												
	ANTIMONY	ARSENIC	BERYLLIUM	CADMIUM	CHROMIUM	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM	ZINC
S-28	ND	1.2	0.5	ND	60	12	7.7	0.59	180	ND	0.4	4.8	34
S-29	ND	0.37	0.6	0.16	53	21	11	10	69	ND	0.6	5.6	48
S-30	ND	3.5	0.3	0.09	41	26	5.0	0.10	41	ND	0.5	4.8	61
S-31	ND	0.26	0.2	ND	7.6	24	4.2	0.072	8.7	ND	0.3	2.8	70
S-32	ND	0.20	ND	ND	12	36	7.6	0.11	11	ND	0.6	5.8	50
S-33	ND	0.85	ND	ND	8.5	15	3.3	0.012	9.4	ND	0.2	1.8	32
S-34	ND	0.83	0.4	ND	31	15	20	0.027	41	ND	0.4	4.1	42

TABLE 4-3
SUMMARY OF HEAVY METALS FOUND IN GROUNDWATER SAMPLES

SAMPLE IDENTIFICATION	METAL CONCENTRATION (mg/l)												
	ANTIMONY	ARSENIC	BERYLLIUM	CADMIUM	CHROMIUM	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM	ZINC
MW-1	ND	0.006	ND	0.039	0.018	0.05	0.16	ND	0.07	ND	0.02	0.29	0.15
MW-2	ND	0.020	ND	0.018	0.075	0.07	0.08	0.0019	0.10	ND	0.01	0.19	0.17
MW-3	ND	ND	ND	0.091	0.046	0.09	0.08	ND	0.12	ND	0.07	0.78	0.12
MW-4	ND	0.006	ND	0.088	0.043	0.09	0.11	ND	0.12	ND	0.06	0.71	0.14
MW-5	ND	0.006	ND	0.069	0.048	0.09	0.068	ND	0.12	ND	0.05	0.53	0.32
MW-6	ND	ND	ND	0.014	0.005	ND	0.010	ND	ND	ND	ND	0.14	0.11
MW-7	ND	0.006	ND	0.077	0.045	0.092	0.085	ND	0.12	ND	0.05	0.58	0.55

TABLE 4-4

GROUNDWATER SAMPLES EQUALLING OR EXCEEDING
MAXIMUM CONTAMINANT LEVELS FOR METALS

Metal	Maximum Contaminant Level, mg/l	Wells Exceeding Maximum Contaminant Levels	Reported Concentration, mg/l
Cadmium	0.010	MW-1	0.038
		MW-2	0.018
		MW-3	0.091
		MW-4	0.088
		MW-5	0.069
		MW-6	0.014
		MW-7	0.077
Chromium	0.05	MW-2	0.075
Lead	0.05	MW-1	0.14
		MW-2	0.08
		MW-3	0.08
		MW-4	0.11
		MW-5	0.068
		MW-7	0.085
Mercury	0.002	MW-2	0.002
Silver	0.05	MW-1	0.08
		MW-3	0.07
		MW-4	0.06
		MW-5	0.05
		MW-7	0.05

TABLE 4-5
RESULTS OF SOIL ORGANIC AND ASBESTOS ANALYSES

Sample Identification	Sampling Date	Analyses For Volatile Organics, PCBs, and Asbestos	
		Compound	ug/kg
S-2	4-30-87	Toluene	2
		Xylenes	1
S-5	4-28-87	1,2-Dichloroethane (EDC)	5
S-8	4-30-87	1,2-Dichlorobenzene	5400
		1,3-Dichlorobenzene	940
		1,4-Dichlorobenzene	2800
		Ethylbenzene	10
		Xylenes	170
		PCBs	250
S-9	4-30-87	Benzene	2
		c-1,2-Dichloroethene	74
		t-1,2-Dichloroethene	3
		Toluene	12
		1,1,1-Trichloroethane (TCA)	6
		Trichloroethene (TCE)	21
		Xylenes	4
S-13	4-30-87	Toluene	2
S-14	4-28-87	1,2-Dichloroethane (EDC)	1
S-19	4-28-87	1,2-Dichloroethane (EDC)	2
		Toluene	2
S-21	4-28-87	1,2-Dichloroethane (EDC)	3
S-22	4-30-87	Toluene	4
S-23	4-28-87	Toluene	1
S-24	4-28-87	Toluene	2
		Xylenes	2
S-25	4-30-87	Toluene	2
		Xylenes	2
		PCBs	1800
S-27	4-30-87	PCBs	1100

TABLE 4-5
RESULTS OF SOIL ORGANIC AND ASBESTOS ANALYSES

Sample Identification	Sampling Date	Analyses For Volatile Organics, PCBs, and Asbestos	
		Compound	ug/kg
S-29	4-28-87	Toluene	2
S-31	4-30-87	1,2-Dichlorobenzene	3
		1,4-Dichlorobenzene	2
S-32	4-30-87	Toluene	2

Notes:

1. Only compounds detected are listed. Table 3-2 indicates volatile organic constituents analyzed for and the detection limits.

2. The detection limit for PCBs (Aroclor 1260) is 0.01 mg/kg

TABLE 4-6
SUMMARY OF VOLATILE AND EXTRACTABLE ORGANICS FOUND
IN GROUNDWATER SAMPLES (EPA METHODS 624 AND 625)

CONSTITUENT (ug/l)	SAMPLE IDENTIFICATION						
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
Benzene	51	1.3	510	68	470	<0.1	12
Trichlorofluoromethane	<10	<10	<10	<10	<10	0.2	<10
Xylenes	36	10	340	33	310	0.2	5.1
Toluene	11	1.3	140	14	160	<0.2	17
Ethylbenzene	18	2.7	120	9	150	<0.1	7.6
cis-1,2-dichloroethylene	0.4	2.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	2.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthalene	130	150	190	80	210	<10	16
Acenaphthene	<10	30	180	140	64	<10	54
Anthracene	<50	<50	7	<50	<50	<10	<50
Benzidine	<20	50	<20	<20	<20	<10	<20
Chrysene	<20	50	<20	<20	<20	<10	<20
Fluoranthene	20	70	11	3	4	<10	4
Fluorene	30	30	26	15	15	<10	2
Naphthalene	590	470	1300	690	1200	<10	200
Phenanthrene	60	170	80	48	30	<10	27
Pyrene	<10	190	15	8	5	<10	12

DEPARTMENT OF THE NAVY
WESTERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CONTRACT N62474-85-D-5627

CONTAMINATED SITE INVESTIGATION AT THE WAREHOUSE AND SCRAPYARD AREAS

Prepared by:

ERM-West
1777 Botelho Drive, Suite 260
Walnut Creek, California 94596

NAVAL SUPPLY CENTER
ALAMEDA ANNEX

Alameda, California

March 1988

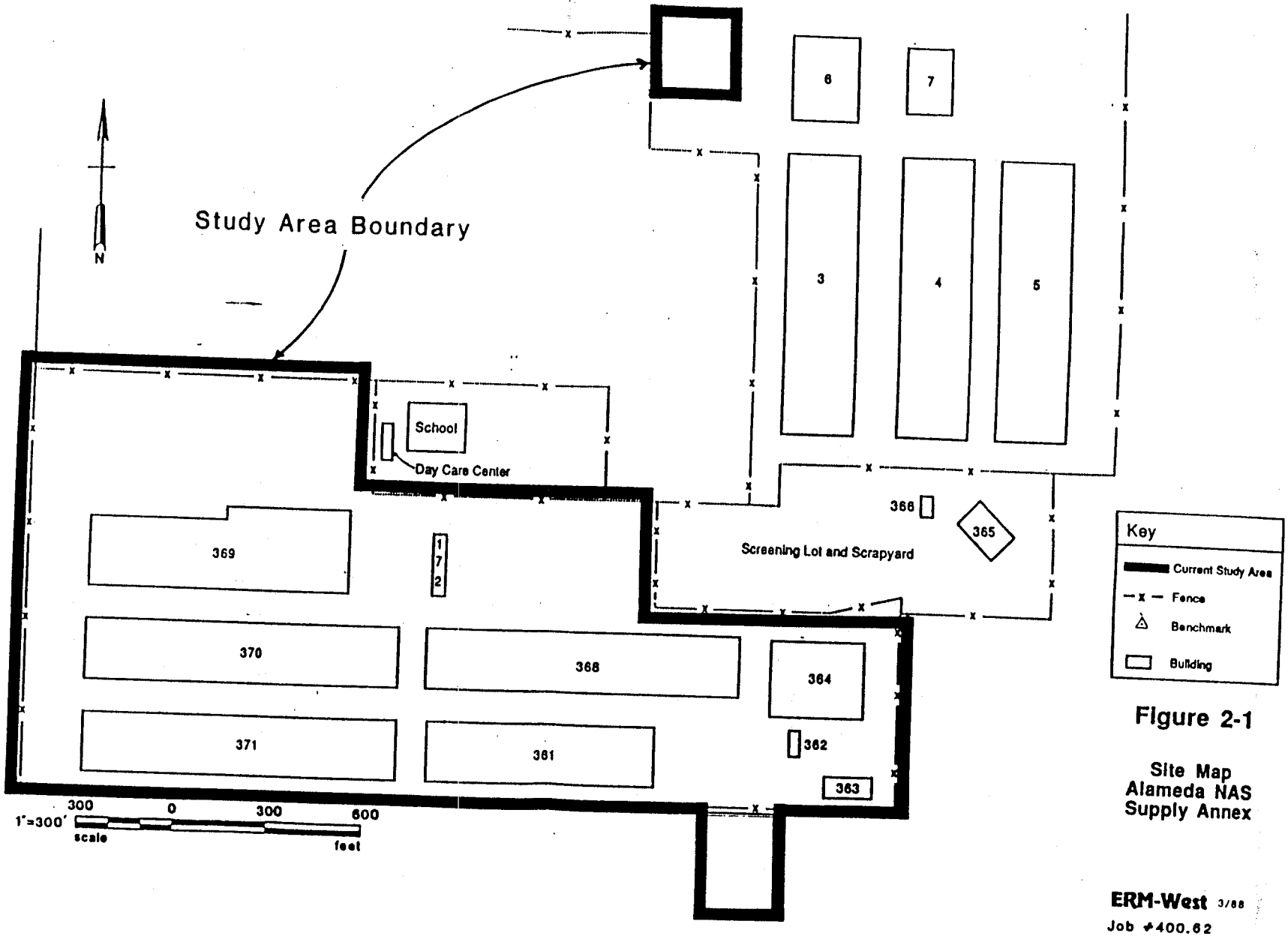


Figure 2-1

Site Map
Alameda NAS
Supply Annex

ERM-West 3/88
Job #400.62

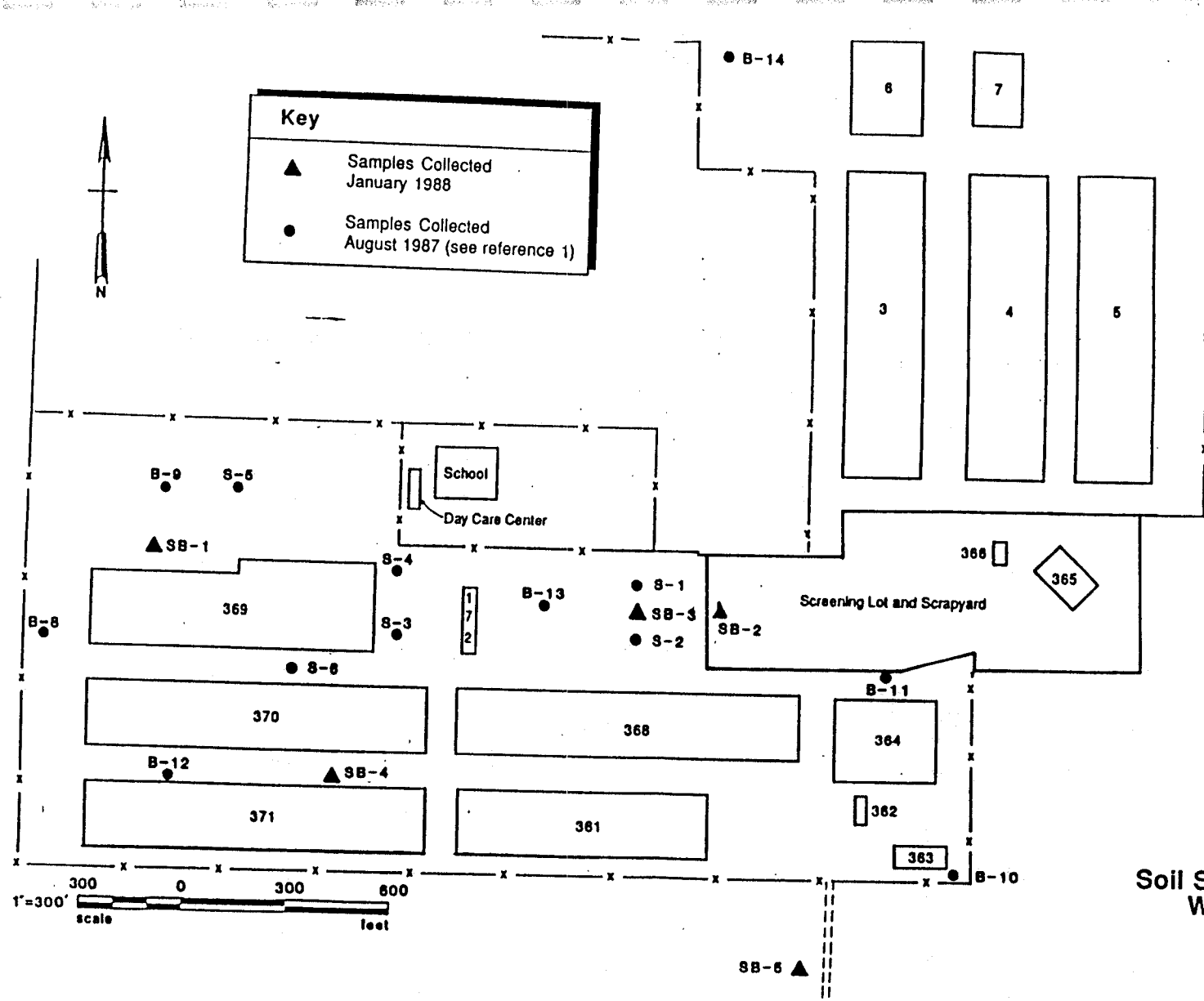


Figure 3-1

Soil Sampling Locations-Warehouse Area

ERM-West 3/88
Job #400.62

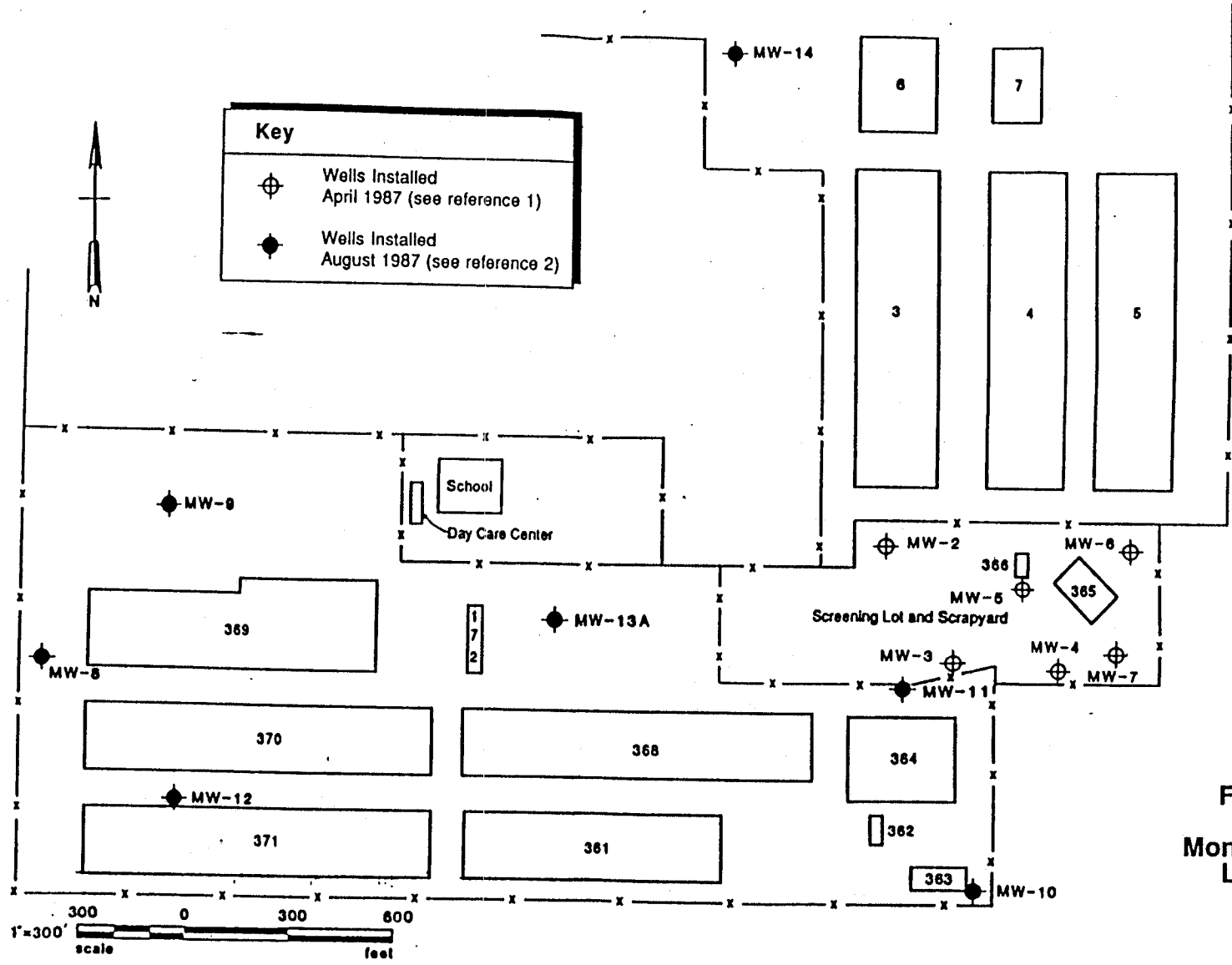


Figure 3-2

Monitoring Well Locations

ERM-West 3/88
Job #400.62

TABLE 4-1. RESULTS OF ANALYSES OF SOIL SAMPLES FOR TRACE METALS

SAMPLE IDENTIFICATION			CONCENTRATION, MILLIGRAMS PER KILOGRAM				
STUDY AREA	LOCATION	DEPTH	ARSENIC	CADMIUM	CHROMIUM	LEAD	NICKEL
WAREHOUSE AREA*	B-8	2'-4'	8.1	1.0	91	28	280
	B-9	2'-4'	16	1.0	56	43	90
	B-10	2'-4'	13	1.0	60	48	92
	B-11	2'-4'	5.0	1.0	48	7	42
	B-11 duplicate	2'-4'	5.2	1.0	36	11	38
	B-12	2'-4'	9.0	1.0	48	34	74
	B-13	2'-4'	5.9	1.0	34	14	130
	B-14	2'-4'	6.2	1.0	30	25	50
	S-1	2'-4'	12	1.0	53	22	85
	S-2	2'-4'	6.0	<1.0	38	25	37
	S-3	2'-4'	8.0	1.0	86	31	270
	S-4	2'-4'	16	1.0	62	47	84
	S-5	2'-4'	16	1.0	59	37	79
	S-6	2'-4'	4.3	1.0	150	24	690
WAREHOUSE AREA - PHASE II	SB-1	0'-0.5'	3.0	3.0	360	9	580
	SB-1	1'-1.5'	21	3.5	120	23	80
	SB-1	4.5'-5'	8.0	2.5	90	18	66
	SB-2	0'-0.5'	3.8	4.5	140	36	290
	SB-2	1'-1.5'	8.2	1.5	40	12	48
	SB-2	4.5'-5'	3.7	1.0	47	6	36
	SB-3	0'-0.5'	6.0	2.5	190	5	430
	SB-3	1'-1.5'	6.2	3.0	250	18	450
	SB-3	4.5'-5'	5.2	1.0	54	11	48
	SB-4	0'-0.5'	5.0	2.0	41	26	33
	SB-4	1'-1.5'	10	5.5	40	22	34
	SB-4	4.5'-5'	5.2	2.5	68	14	55
	SB-5	0'-0.5'	10	3.0	62	23	50
	SB-5	1'-1.5'	7.5	3.0	68	22	58
	SB-5	4.5'-5'	18	3.5	150	38	120

* Data from reference (2). Analyses by Anlab Analytical Laboratory (Sacramento, CA).

TABLE 4-2. RESULTS OF ANALYSES OF GROUNDWATER SAMPLES FOR TRACE METALS

SAMPLE IDENTIFICATION	DATE*	CONCENTRATION, milligrams per liter				
		ARSENIC	CADMIUM	CHROMIUM	LEAD	NICKEL
MW-1	May-87	0.006	0.039	0.018	0.16	0.07
	Jan-88	NS**	NS**	NS**	NS**	NS**
MW-2	May-87	0.020	0.018	0.075	0.08	0.10
	Jan-88	0.009	ND	ND	ND	ND
MW-3	May-87	ND	0.091	0.046	0.08	0.12
	Jan-88	ND	ND	ND	ND	ND
MW-4	May-87	0.006	0.088	0.043	0.11	0.12
	Jan-88	0.005	ND	ND	ND	ND
MW-5	May-87	0.006	0.069	0.048	0.068	0.12
	Jan-88	ND	ND	ND	ND	ND
MW-6	May-87	ND	0.014	0.005	0.010	ND
	Jan-88	0.004	ND	ND	ND	ND
MW-7	May-87	0.006	0.077	0.045	0.085	0.12
	Jan-88	0.008	ND	ND	ND	ND
MW-8	Aug-87	ND	0.06	0.03	0.62	0.28
	Jan-88	0.008	ND	ND	ND	0.030
MW-9	Aug-87	ND	0.04	0.03	0.32	0.14
	Jan-88	0.009	ND	ND	ND	ND
MW-10	Aug-87	0.038	0.08	0.07	0.82	0.35
	Jan-88	0.008	ND	ND	ND	ND
MW-11	Aug-87	ND	0.02	0.03	0.24	0.11
	Jan-88	ND	ND	ND	ND	ND
MW-12	Aug-87	ND	0.04	0.03	0.47	0.18
	Jan-88	0.008	ND	ND	ND	ND
MW-13	Aug-87	ND	0.06	0.07	0.78	0.31
	Jan-88	0.004	ND	ND	ND	ND
MW-14	Aug-87	0.048	0.06	0.05	0.76	0.32
	Jan-88	0.008	ND	ND	ND	ND

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* May 1987 data from reference (1); analyses by Central Coast Analytical Services (San Luis Obispo, CA). August 1987 data from reference (2); analyses by Anlab Analytical Services (Sacramento, CA). January 1988 analyses by Anlab Analytical Services.

** NS means Not Sampled

TABLE 4-3. RESULTS OF ANALYSES OF GROUNDWATER FOR BENZENE AND NAPHTHALENE

SAMPLE IDENTIFICATION	DATE*	CONCENTRATION, micrograms per liter	
		BENZENE	NAPHTHALENE
MW-1	May-87	51	590
	Jan-88	NS**	NS**
MW-2	May-87	1.3	470
	Jan-88	ND	ND****
MW-3	May-87	510	1300
	Jan-88	280	660
MW-4	May-87	68	690
	Jan-88	150	ND***
MW-5	May-87	470	1200
	Jan-88	450	ND****
MW-6	May-87	ND	ND
	Jan-88	ND	40
MW-7	May-87	12	200
	Jan-88	9.1	ND***
MW-8	Aug-87	ND	3.9
	Jan-88	ND	ND***
MW-9	Aug-87	250	1100
	Jan-88	260	7800
MW-10	Aug-87	ND	66
	Jan-88	ND	ND***
MW-11	Aug-87	350	560
	Jan-88	ND	ND***
MW-12	Aug-87	ND	ND
	Jan-88	ND	ND***
MW-13	Aug-87	570	730
	Jan-88	740	1800
MW-14	Aug-87	ND	43
	Jan-88	0.6	40

---

* May 1987 data from reference (1); analyses by Central Coast Analytical Services (San Luis Obispo, CA). August 1987 data from reference (2); analyses by Anlab Analytical Services (Sacramento, CA). January 1988 analyses by Anlab Analytical Services.

** NS means "Not Sampled

*** None Detected (Detection limit = 40 micrograms per liter).

**** None Detected (Detection limit = 400 micrograms per liter).

CLEAN
Central Zone

Contract No. N62474-88-D-5086

Contract Task Order 0075

Navy Engineer-in-Charge: Ms. Bella Dizon

PRC Project Manager: Mr. Fred Stanley

NAVAL AIR STATION
ALAMEDA NORTH HOUSING SITE
ALAMEDA, CALIFORNIA

AIR SAMPLING AND ANALYSIS
MILITARY FAMILY HOUSING

FINAL
SAMPLING AND ANALYSIS REPORT

Prepared By

PRC ENVIRONMENTAL MANAGEMENT, INC.
120 Howard Street, Suite 700
San Francisco, CA 94105
415/543-4880

July 23, 1990

TABLE 1

AIR SAMPLING AND ANALYSIS DATA

Location	Sample	Compound	Molecular Weight	Lab Weight (nanograms)	Total Sample Time (minutes)	Average Flow Rate (cc/min)	Air Sample Volume (liters)	Micrograms per Cubic Meter	Parts per Million	Parts per Trillion
	Test	Benzene	78	30	100	500	50.0	0.600	0.00019	188
2000F (H)	E02	Benzene	78	*30	110	494	54.3			
2000D (H)	E03	Benzene	78	54	99	493	48.8	1.107	0.00035	347
2000B (D)	E04	Benzene	78	121	108	513	55.4	2.184	0.00068	685
2000A (L)	E05	Benzene	78	58	88	508	44.7	1.298	0.00041	407
2002F (H)	E06	Benzene	78	*30	112	498	55.8			
2002E (L)	E07	Benzene	78	*30	87	504	43.8			
2002D (L)	E08	Benzene	78	*30	83	501	41.6			
2002C (D)	E09	Benzene	78	*30	102	498	50.8			
2002B (D)	E10	Benzene	78	*30	100	515	51.5			
2002A (L)	E11	Benzene	78	*30	98	506	49.6			
2004F (D)	E12	Benzene	78	45	99	500	49.5	0.909	0.00028	285
Field Blank	E14	Benzene	78	*30						
2004C (L)	E15	Benzene	78	*30	80	504	40.3			
2008F (H)	E16	Benzene	78	44	107	505	54.0	0.815	0.00026	255
2001C (B)	E17	Benzene	78	34	129	506	65.3	0.521	0.00016	163
2008D (H)	E18	Benzene	78	*30	88	502	44.2			
2006F (D)	E19	Benzene	78	*30	121	509	61.6			
2006C (D)	E21	Benzene	78	42	120	500	60.0	0.700	0.00022	219
2004A (L)	E23	Benzene	78	54	127	509	64.6	0.836	0.00026	262
2006A (D)	E25	Benzene	78	32	91	502	45.7	0.700	0.00022	219
2006E (L)	E26	Benzene	78	33	109	507	55.3	0.597	0.00019	187
2001C (L)	E27	Benzene	78	34	80	502	40.2	0.846	0.00027	265
2004D (L)	E29	Benzene	78	*30	84	463	38.9			
2008A (D)	E30	Benzene	78	42	100	454	45.4	0.925	0.00029	290
2006D (L)	E31	Benzene	78	*30	101	510	51.5			

* = Detection Limit

K = Kitchen
H = Hall
D = Dining Room
L = Living Room
B = Background
P = DRMO

TABLE 1 (Continued)

AIR SAMPLING AND ANALYSIS DATA

Location	Sample	Compound	Molecular Weight	Lab Weight (nanograms)	Total Sample Time (minutes)	Average Flow Rate (cc/min)	Air Sample Volume (liters)	Micrograms per cubic meter	Parts per Million	Parts per Trillion
2006F (P)	E32	Benzene	78	*30	78	495	38.6			
2004B (L)	E33	Benzene	78	54	95	503	47.8	1.130	0.00035	354
Trip Blank	E34	Benzene	78	*30						
2000C (K)	E2A	Benzene	78	*30	118	513	60.5			
2006B (L)	E3A	Benzene	78	*30	93	498	46.3			
2001D (B)	E4A	Benzene	78	*30	84	504	42.3			
2004E (D)	E5A	Benzene	78	*30	112	223	25.0			
2001D (D)	E6A	Benzene	78	31	83	511	42.4	0.731	0.00023	229
2004B (P)	1A	Benzene	78	*30	79	473	37.4			
Field Blank	4A	Benzene	78	*30						
2008C (D)	4B	Benzene	78	*30	96	233	22.4			
2000C (K)	E2A	Vinyl Chloride	63	*50	118	513	60.5			
2006B (L)	E3A	Vinyl Chloride	63	*50	93	498	46.3			
2001D (B)	E4A	Vinyl Chloride	63	*50	84	504	42.3			
2004E (D)	E5A	Vinyl Chloride	63	*50	112	223	25.0			
2001D (D)	E6A	Vinyl Chloride	63	*50	83	511	42.4			
2004B (P)	1A	Vinyl Chloride	63	*50	79	473	37.4			
Field Blank	4A	Vinyl Chloride	63	*50						
2008C (D)	4B	Vinyl Chloride	63	*50	96	233	22.4			
2000C (K)	E2A	Methylene Chloride	85	963	118	513	60.5	15.917	0.00458	4579
2006B (L)	E3A	Methylene Chloride	85	1830	93	498	46.3	39.525	0.01137	11369
2001D (B)	E4A	Methylene Chloride	85	1340	84	504	42.3	31.678	0.00911	9112
2004E (D)	E5A	Methylene Chloride	85	281	112	223	25.0	11.240	0.00323	3233
2001D (D)	E6A	Methylene Chloride	85	3350	83	511	42.4	79.009	0.02273	22727

K = Kitchen
H = Hall
D = Dining Room
L = Living Room
F = Background
[illegible] = RMO

* = Detection Limit

TABLE 1 (Continued)

AIR SAMPLING AND ANALYSIS DATA

Location	Sample	Compound	Molecular Weight	Lab Weight (nanograms)	Total Sample Time (minutes)	Average Flow Rate (cc/min)	Air Sample Volume (liters)	Micrograms per cubic meter	Parts per Million	Parts per Trillion
2004B (P)	1A	Methylene Chloride	85	685	79	473	37.4	18.316	0.00527	5268
Field Blank	4A	Methylene Chloride	85	*30						
2008C (D)	4B	Methylene Chloride	85	61	96	233	22.4	2.723	0.00078	78
2000C (K)	E2A	Chloroform	119	*30	118	513	60.5			
2006B (L)	E3A	Chloroform	119	*30	93	498	46.3			
2001D (B)	E4A	Chloroform	119	*30	84	504	42.3			
2004E (D)	E5A	Chloroform	119	*30	112	223	25.0			
2001D (D)	E6A	Chloroform	119	*30	83	511	42.4			
2004B (P)	1A	Chloroform	119	*30	79	473	37.4			
Field Blank	4A	Chloroform	119	*30						
2008C (D)	4B	Chloroform	119	*30	96	233	22.4			
2000C (K)	E2A	1,2-Dichloroethane	99	*30	118	513	60.5			
2006B (L)	E3A	1,2-Dichloroethane	99	*30	93	498	46.3			
2001D (B)	E4A	1,2-Dichloroethane	99	*30	84	504	42.3			
2004E (D)	E5A	1,2-Dichloroethane	99	*30	112	223	25.0			
2001D (D)	E6A	1,2-Dichloroethane	99	*30	83	511	42.4			
2004B (P)	1A	1,2-Dichloroethane	99	*30	79	473	37.4			
Field Blank	4A	1,2-Dichloroethane	99	*30						
2008C (D)	4B	1,2-Dichloroethane	99	*30	96	233	22.4			
2000C (K)	E2A	1,1,1-Trichloroethane	133	77	118	513	60.5	0.777	0.00014	143
2006B (L)	E3A	1,1,1-Trichloroethane	133	77	93	498	46.3	1.663	0.00031	306
2001D (B)	E4A	1,1,1-Trichloroethane	133	49	84	504	42.3	1.158	0.00021	213
2004E (D)	E5A	1,1,1-Trichloroethane	133	*30	112	223	25.0			

K = Kitchen
H = Hall
D = Dining Room
L = Living Room
B = Background
P = DRMO

* = Detection Limit

TABLE 1 (Continued)

AIR SAMPLING AND ANALYSIS DATA

Location	Sample	Compound	Molecular Weight	Lab Weight (nanograms)	Total Sample Time (minutes)	Average Flow Rate (cc/min)	Air Sample Volume (liters)	Micrograms per cubic meter	Parts per Million	Parts per Trillion
2001D (D)	E6A	1,1,1 Trichloroethane	133	43	83	511	42.4	1.014	0.00019	186
2004B (P)	1A	1,1,1-Trichloroethane	133	*30	79	473	37.4			
Field Blank	4A	1,1,1-Trichloroethane	133	*30						
2008C (D)	4B	1,1,1-Trichloroethane	133	*30	96	233	22.4			
2000C (K)	E2A	Carbon Tetrachloride	154	*30	118	513	60.5			
2006B (L)	E3A	Carbon Tetrachloride	154	*30	93	498	46.3			
2001D (B)	E4A	Carbon Tetrachloride	154	*30	84	504	42.3			
2004E (D)	E5A	Carbon Tetrachloride	154	*30	112	223	25.0			
2001D (D)	E6A	Carbon Tetrachloride	154	*30	83	511	42.4			
2004B (P)	1A	Carbon Tetrachloride	154	*30	79	473	37.4			
Field Blank	4A	Carbon Tetrachloride	154	*30						
2008C (D)	4B	Carbon Tetrachloride	154	*30	96	233	22.4			
2000C (K)	E2A	Trichloroethene	132	*30	118	513	60.5			
2006B (L)	E3A	Trichloroethene	132	*30	93	498	46.3			
2001D (B)	E4A	Trichloroethene	132	*30	84	504	42.3			
2004E (D)	E5A	Trichloroethene	132	*30	112	223	25.0			
2001D (D)	E6A	Trichloroethene	132	*30	83	511	42.4			
2004B (P)	1A	Trichloroethene	132	*30	79	473	37.4			
Field Blank	4A	Trichloroethene	132	*30						
2008C (D)	4B	Trichloroethene	132	*30	96	233	22.4			
2000C (K)	E2A	Tetrachloroethene	166	*30	118	513	60.5			
2006B (L)	E3A	Tetrachloroethene	166	*30	93	498	46.3			
2001D (B)	E4A	Tetrachloroethene	166	*30	84	504	42.3			

K = Kitchen
H = Hall
D = Dining Room
L = Living Room
B = Aground
P = 40

* = Detection Limit

TABLE 1 (Continued)

AIR SAMPLING AND ANALYSIS DATA

Location	Sample	Compound	Molecular Weight	Lab Weight (nanograms)	Total Sample Time (minutes)	Average Flow Rate (cc/min)	Air Sample Volume (liters)	Micrograms per cubic meter	Parts per Million	Parts per Trillion
2004E (D)	E5A	Tetrachloroethene	166	*30	112	223	25.0			
2001D (D)	E6A	Tetrachloroethene	166	*30	83	511	42.4			
2004B (P)	1A	Tetrachloroethene	166	31	79	473	37.4	0.829	0.00012	122
Field Blank	4A	Tetrachloroethene	166	*30						
2008C (D)	4B	Tetrachloroethene	166	*30	96	233	22.4			
2000C (K)	E2A	1,2-Dibromoethane	174	*30	118	513	60.5			
2006B (L)	E3A	1,2-Dibromoethane	174	*30	93	498	46.3			
2001D (B)	E4A	1,2-Dibromoethane	174	*30	84	504	42.3			
2004E (D)	E5A	1,2-Dibromoethane	174	*30	112	223	25.0			
2001D (D)	E6A	1,2-Dibromoethane	174	*30	83	511	42.4			
2004B (P)	1A	1,2-Dibromoethane	174	*30	79	473	37.4			
Field Blank	4A	1,2 Dibromoethane	174	*30						
2008C (D)	4B	1,2 Dibromoethane	174	*30	96	233	22.4			
2000C (K)	E2A	Toluene	92	172	118	513	60.5	2.842	0.00076	756
2006B (L)	E3A	Toluene	92	402	93	498	46.3	8.683	0.00231	2307
2001D (B)	E4A	Toluene	92	73	84	504	42.3	1.726	0.00046	459
2004E (D)	E5A	Toluene	92	76	112	223	25.0	3.040	0.00081	808
2001D (D)	E6A	Toluene	92	216	83	511	42.4	5.094	0.00135	1354
2004B (P)	1A	Toluene	92	104	79	473	37.4	2.781	0.00074	739
Field Blank	4A	Toluene	92	*30						
2008C (D)	4B	Toluene	92	*30	96	233	22.4			
2000C (K)	E2A	Ethylbenzene	121	323	118	513	60.5	5.339	0.00108	1079
2006B (L)	E3A	Ethylbenzene	121	85	93	498	46.3	1.836	0.00037	371

K = Kitchen
H = Hall
D = Dining Room
L = Living Room
B = Background
P = DRMO

* = Detection Limit

TABLE 1 (Continued)

AIR SAMPLING AND ANALYSIS DATA

Location	Sample	Compound	Molecular Weight	Lab Weight (nanograms)	Total Sample Time (minutes)	Average Flow Rate (cc/min)	Air Sample Volume (liters)	Micrograms per cubic meter	Parts per Million	Parts per Trillion
2001D (B)	E4A	Ethylbenzene	121	*30	84	504	42.3			
2004E (D)	E5A	Ethylbenzene	121	*30	112	223	25.0			
2001D (D)	E6A	Ethylbenzene	121	51	83	511	42.4	1.203	0.00024	243
2004B (P)	1A	Ethylbenzene	121	*30	79	473	37.4			
Field Blank	4A	Ethylbenzene	121	*30						
2008C (D)	4B	Ethylbenzene	121	*30	96	233	22.4			
2000C (K)	E2A	Total Xylene	106	1514	118	513	60.5	25.025	0.00577	5772
2006B (L)	E3A	Total Xylene	106	476	93	498	46.3	10.281	0.00237	2371
2001D (B)	E4A	Total Xylene	106	116	84	504	42.3	2.742	0.00063	633
2004E (D)	E5A	Total Xylene	106	71	112	223	25.0	2.840	0.00066	655
2001D (D)	E6A	Total Xylene	106	345	83	511	42.4	8.137	0.00188	1877
2004B (P)	1A	Total Xylene	106	164	79	473	37.4	4.389	0.00101	1012
Field Blank	4A	Total Xylene	106	*30						
2008C (D)	4B	Total Xylene	106	*30	96	233	22.4			

K = Kitchen
H = Hall
D = Dining Room
L = Living Room
B = Background
P = DRMO

* = Detection Limit

TABLE 2

AIR SAMPLING DETECTION LIMITS FOR ORGANIC COMPOUNDS BASED ON MAXIMUM AIR VOLUMES SAMPLED

Compound	Molecular Weight	Lab Weight (nanograms)	Total Sample Time (minutes)	Average Flow Rate (cc/min)	Air Sample Volume (liters)	Micrograms per Cubic Meter	Parts per Million	Parts per Trillion
Benzene	78	30	120	500	60.0	0.500	0.00016	157
Vinyl Chloride	63	50	118	513	60.5	0.826	0.00032	321
Methylene Chloride	85	30	118	513	60.5	0.496	0.00014	143
Chloroform	119	30	118	513	60.5	0.496	0.00010	102
1,2-Dichloroethane	99	30	118	513	60.5	0.496	0.00012	122
1,1,1-Trichloroethane	133	30	118	513	60.5	0.496	0.00009	91
Carbon Tetrachloride	154	30	118	513	60.5	0.496	0.00008	79
Trichloroethene	132	30	118	513	60.5	0.496	0.00009	92
Tetrachloroethene	166	30	118	513	60.5	0.496	0.00007	73
1,2-Dibromoethane	174	30	118	513	60.5	0.496	0.00007	70
Toluene	92	30	118	513	60.5	0.496	0.00013	132
Ethylbenzene	121	30	118	513	60.5	0.496	0.00010	100
Total Xylene	106	30	118	513	60.5	0.496	0.00011	114

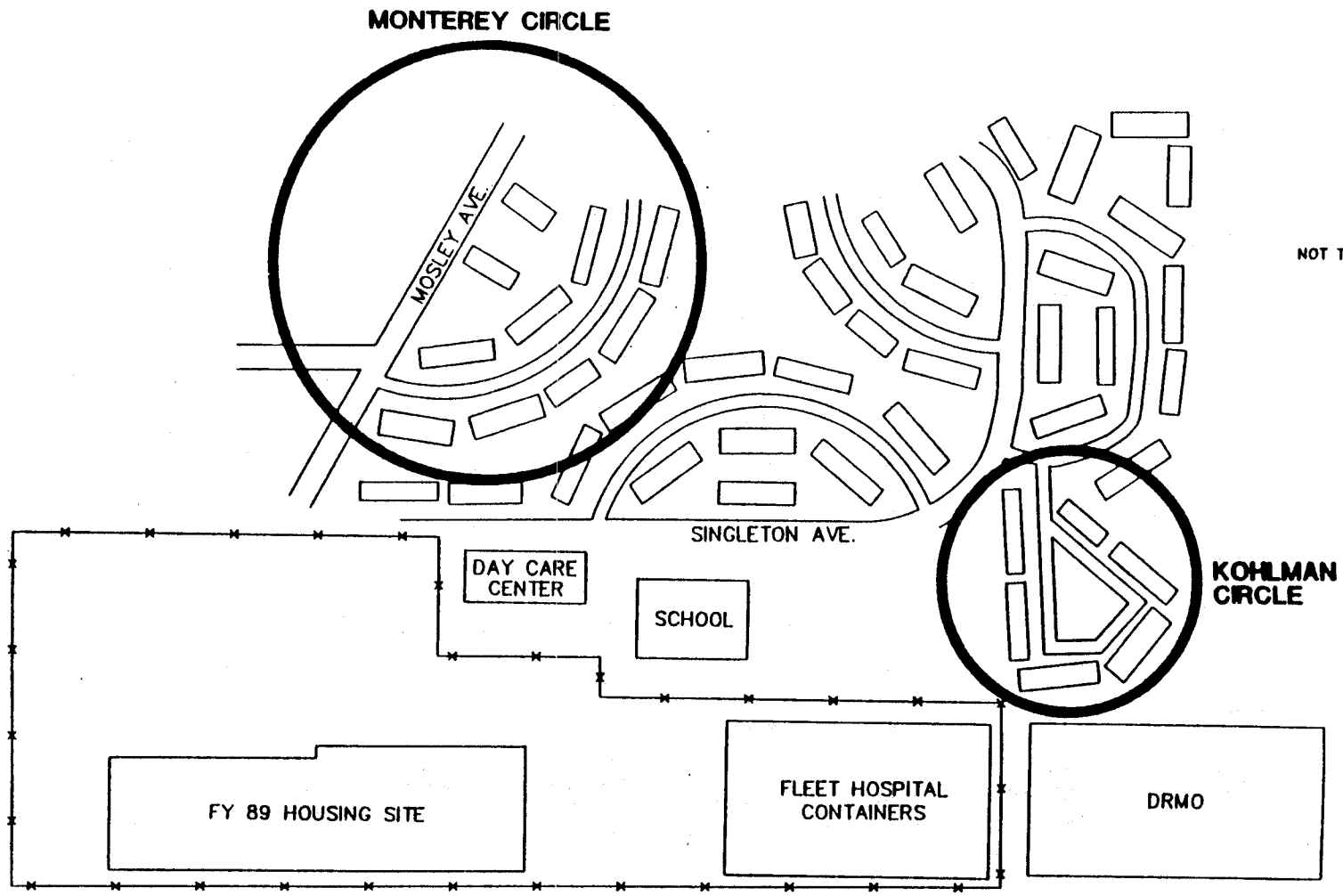

FIGURE 1

LOCATION OF MONTEREY AND KOHLMAN CIRCLES

CLEAN

Contract No. N62474-88-D-5086

Contract Task Order 0067

Navy Engineer-in-Charge: Ms. Bella Dizon

PRC Project Manager: Mr. Randy Fish

Military Housing Site
NAVAL SUPPLY CENTER OAKLAND
ALAMEDA ANNEX
ALAMEDA, CALIFORNIA

RISK ASSESSMENT
REPORT

Prepared By

PRC ENVIRONMENTAL MANAGEMENT, INC.
120 Howard Street, Suite 700
San Francisco, CA 94105
415/543-4880

October 2, 1990

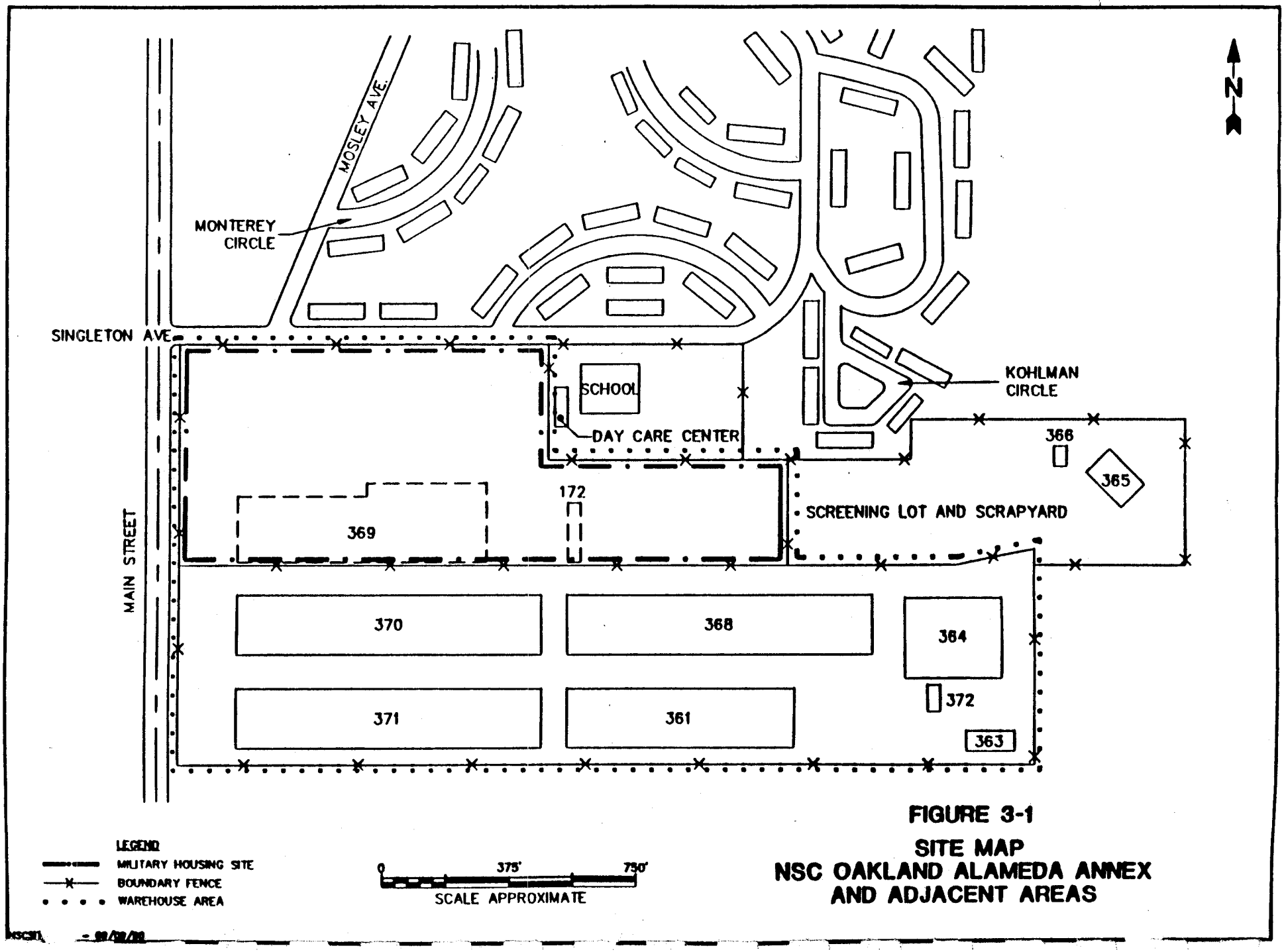

FIGURE 3-1

SITE MAP
NSC OAKLAND ALAMEDA ANNEX
AND ADJACENT AREAS

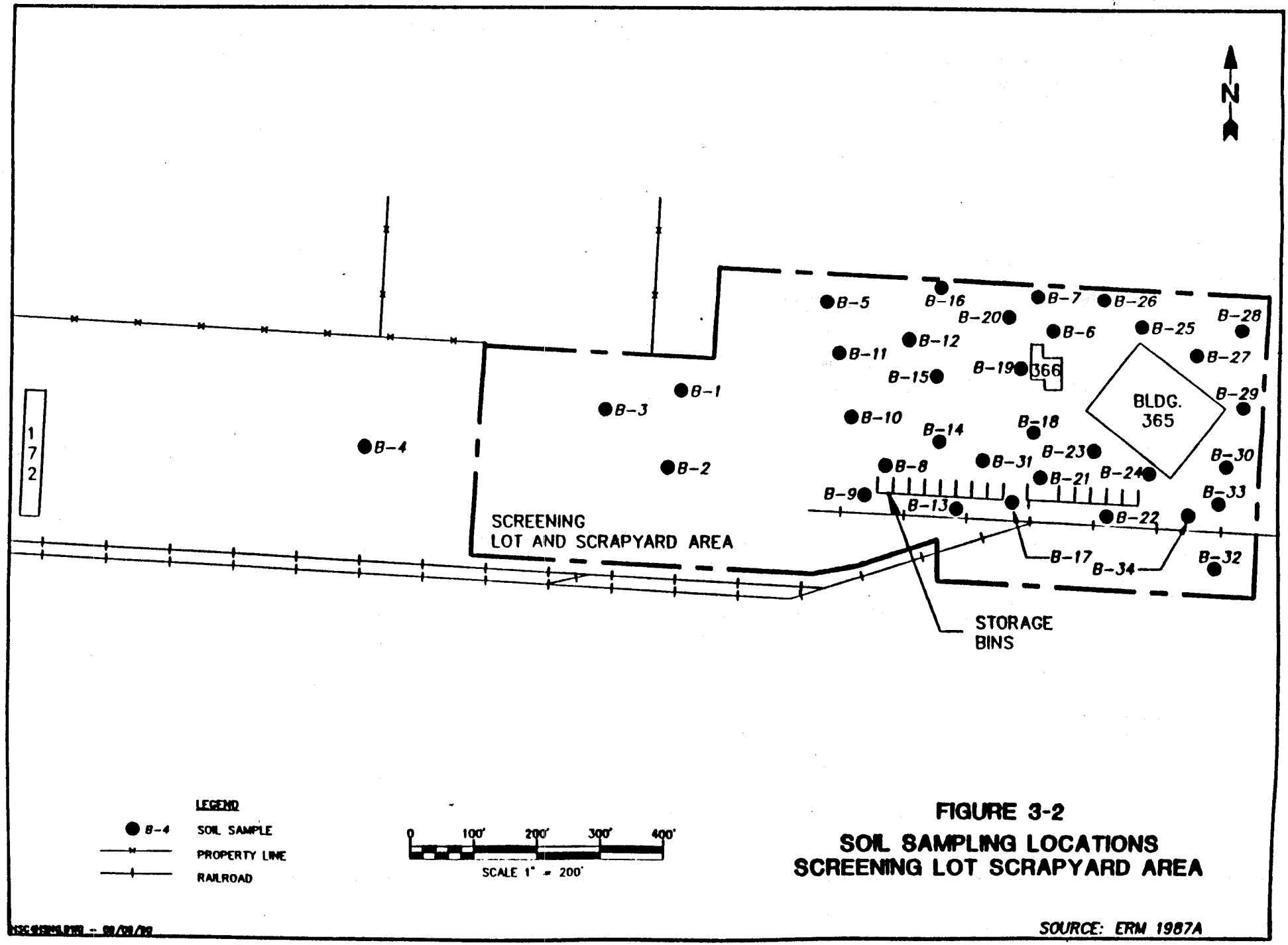

FIGURE 3-2
SOIL SAMPLING LOCATIONS
SCREENING LOT SCRAPYARD AREA

SOURCE: ERM 1987A

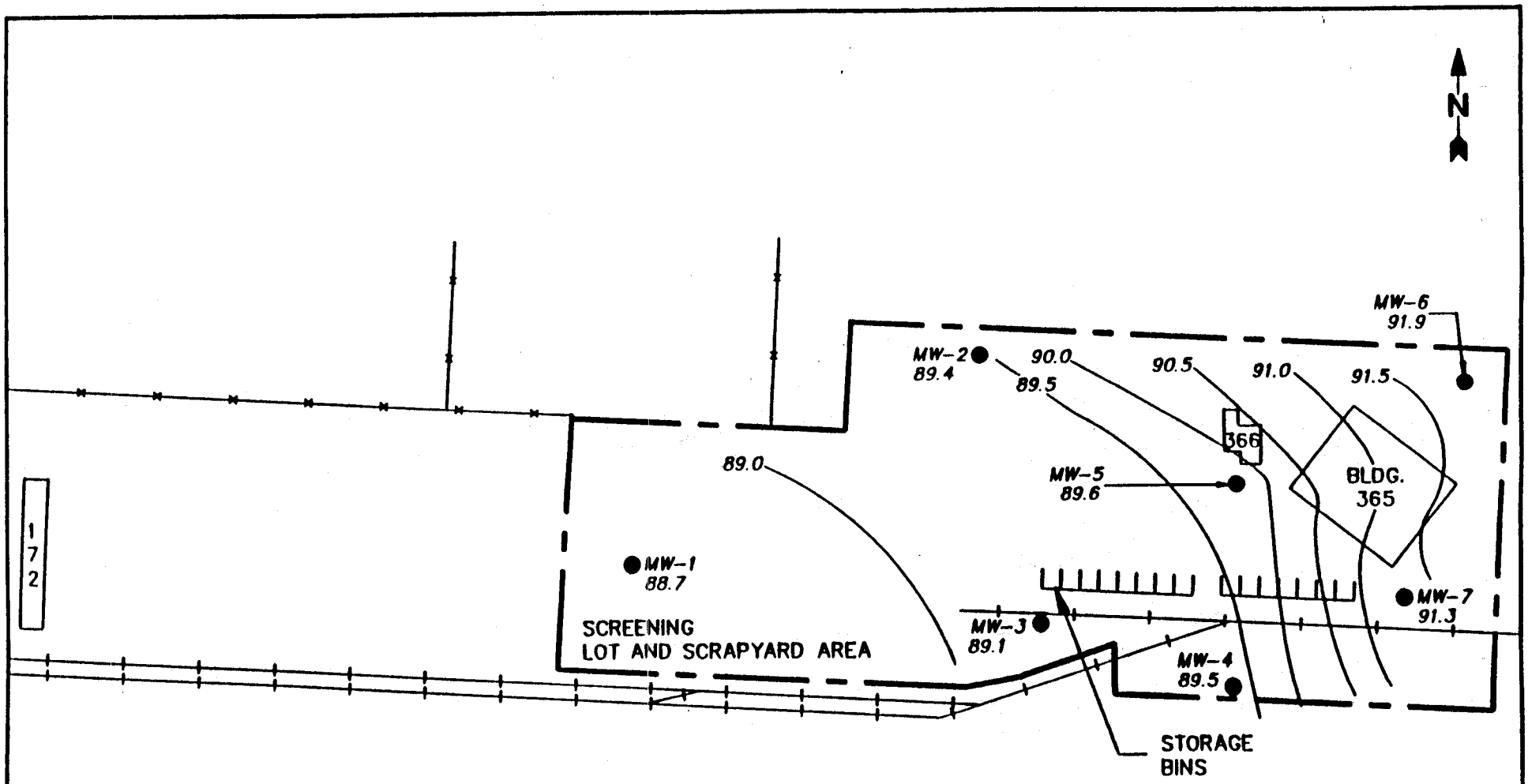

FIGURE 3-3

MONITORING WELL LOCATIONS
SCREENING LOT SCRAPYARD AREA

(ELEVATIONS IN FEET WITH RESPECT TO A FIXED DATUM, AS OF MAY 1987)

SOURCE: ERM '987A

TABLE 3-2
SUMMARY OF GROUND-WATER VOLATILE AND EXTRACTABLE ORGANICS ANALYSES
(EPA METHODS 624 AND 625)

Constituent	Concentrations (µg/l)						
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
Benzene	51	1.3	510	68	470	<0.1	12
Trichlorofluoromethane	<10	<10	<10	<10	<10	0.2	<10
Xylenes	36	10	340	33	310	0.2	5.1
Toluene	11	1.3	140	14	160	<0.2	17
Ethylbenzene	18	2.7	120	9	150	<0.1	7.6
cis-1,2-dichloroethylene	0.4	2.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	2.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthalene	130	150	190	80	210	<10	16
Acenaphthene	<10	30	180	140	64	<10	54
Anthracene	<50	<50	7	<50	<50	<10	<50
Benzidine	<20	50	<20	<20	<20	<10	<20
Chrysene	<20	50	<20	<20	<20	<10	<20
Fluoranthene	20	70	11	3	4	<10	4
Fluorene	30	30	26	15	15	<10	2
Naphthalene	590	470	1300	690	1200	<10	200
Phenanthrene	60	170	80	48	30	<10	27
Pyrene	<10	190	15	8	5	<10	12

Source: ERM, 1987

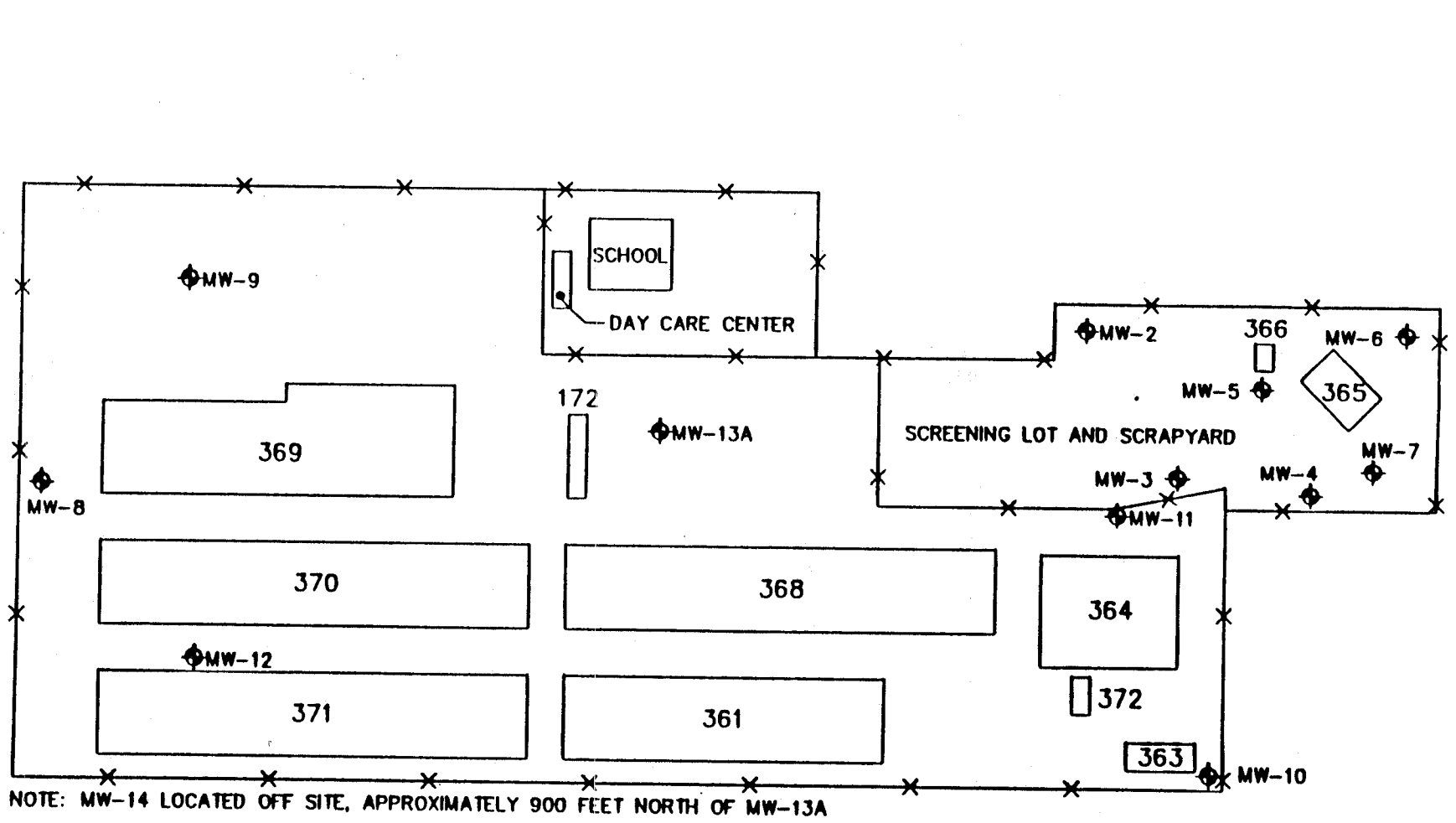

FIGURE 3-4
MONITORING WELL LOCATIONS
WAREHOUSE, SCREENING LOT AND SCRAPYARD AREA

SOUR TRM 1988

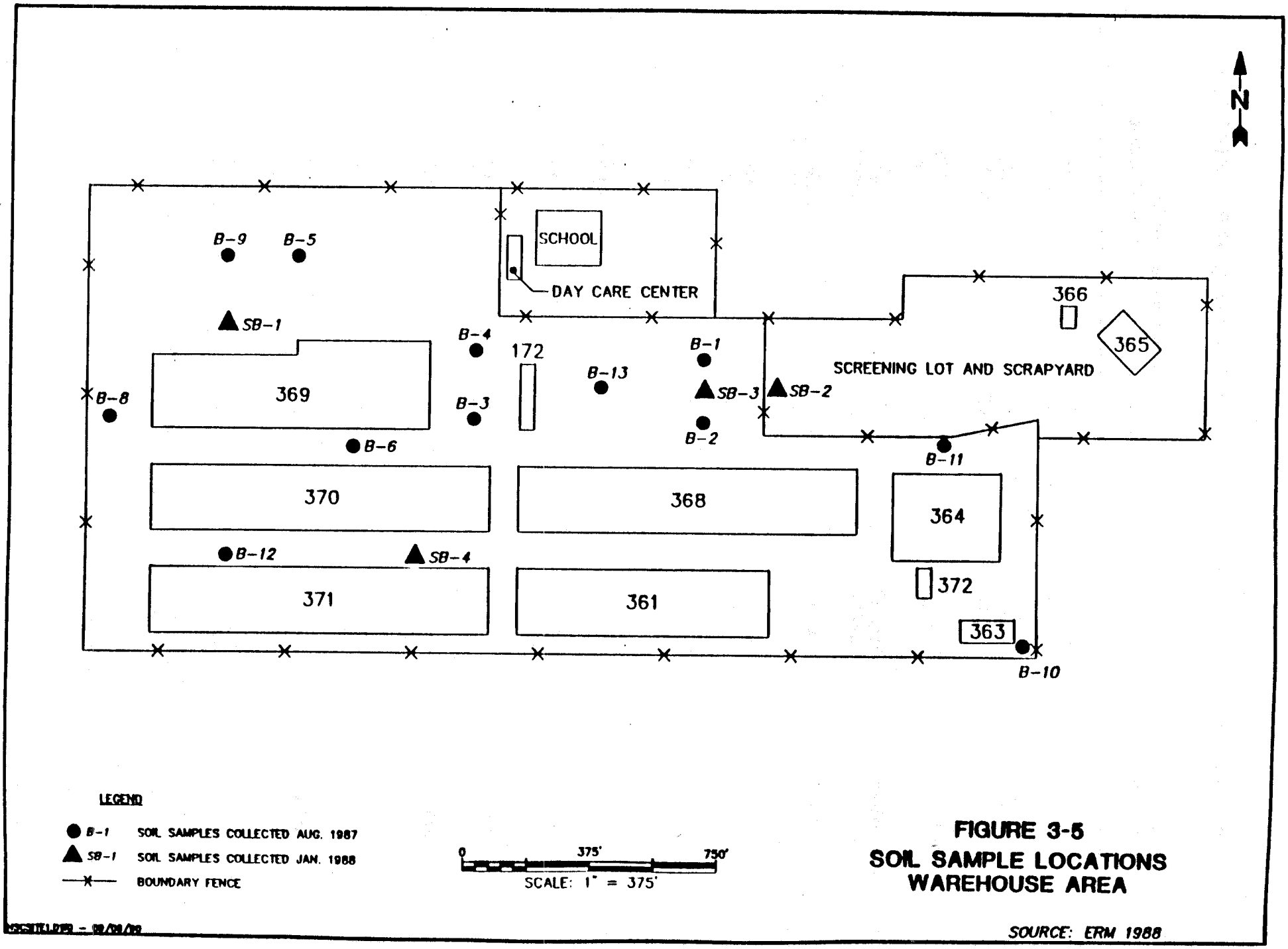

FIGURE 3-5
SOIL SAMPLE LOCATIONS
WAREHOUSE AREA

SOURCE: ERM 1988

TABLE 3-3
RESULTS OF ANALYSES OF GROUND WATER FOR BENZENE AND NAPHTHALENE

Sample Identification	Date	Concentration, (µg/l) Benzene	Naphthalene
MW-1	May-87	51	590
	Jan-88	NS**	NS**
MW-2	May-87	1.3	470
	Jan-88	ND	ND****
MW-3	May-87	510	1300
	Jan-88	280	660
MW-4	May-87	68	690
	Jan-88	150	ND***
MW-5	May-87	470	1200
	Jan-88	450	ND****
MW-6	May-87	ND	ND
	Jan-88	ND	40
MW-7	May-87	12	200
	Jan-88	9.1	ND***
MW-8	Aug-87	ND	3.9
	Jan-88	ND	ND***
MW-9	Aug-87	250	1100
	Jan-88	260	7800
MW-10	Aug-87	ND	66
	Jan-88	ND	ND***
MW-11	Aug-87	350	560
	Jan-88	ND	ND***
MW-12	Aug-87	ND	ND
	Jan-88	ND	ND***
MW-13	Aug-87	570	730
	Jan-88	740	1800
MW-14	Aug-87	ND	43
	Jan-88	0.6	40

* May 1987 analyses by Central Coast Analytical Services (San Luis Obispo, CA). August 1987 analyses by Anlab Analytical Services (Sacramento, CA). January 1988 analyses by Anlab Analytical Services.

** NS means "Not Sampled"

*** None Detected (Detection Limit = 40 µg/l).

**** None Detected (Detection Limit = 400 µg/l).

Source: ERM, 1988

TABLE 3-4
SOIL GAS ANALYTICAL RESULTS FOR BENZENE[a]

SAMPLE[b]	BENZENE (µg/L)	BENZENE (ppb)[c]	THC[d] (µg/L)
SG - 2	0.04	12	0.08
SG - 23	0.04	12	0.2
SG - 34	0.08	25	0.2
SG - 41	0.09	28	0.3
SG - 43	0.3	94	0.3

a Samples collected and analyzed October 16 - 19, 1989

b Only positive results are presented. All results are presented in PRC, 1989. Most detection limits were 0.04 µg/L (12 ppb). Some were 0.08 µg/L (25 ppb).

c Calculated at 23.9 degrees celsius. Conversion is 1 µg/l = 312 ppb

d Total hydrocarbons presented for comparison

CLEAN
Central Zone

Contract No. N62474-88-D-5086

Contract Task Order 0011

Navy Engineer-in-Charge: Bella Dizon

PRC Project Manager: Kirk Switzer

NAVAL SUPPLY CENTER OAKLAND
ALAMEDA ANNEX AND FACILITY
ALAMEDA, CALIFORNIA

REMEDIAL INVESTIGATION/FEASIBILITY STUDY
FINAL FIELD SAMPLING PLAN

SCREENING LOT AND SCRAPYARD AREA

Prepared By

PRC ENVIRONMENTAL MANAGEMENT, INC.
11030 White Rock Road, Suite 190
Rancho Cordova, CA 95670
916/852-8300

May 30, 1991

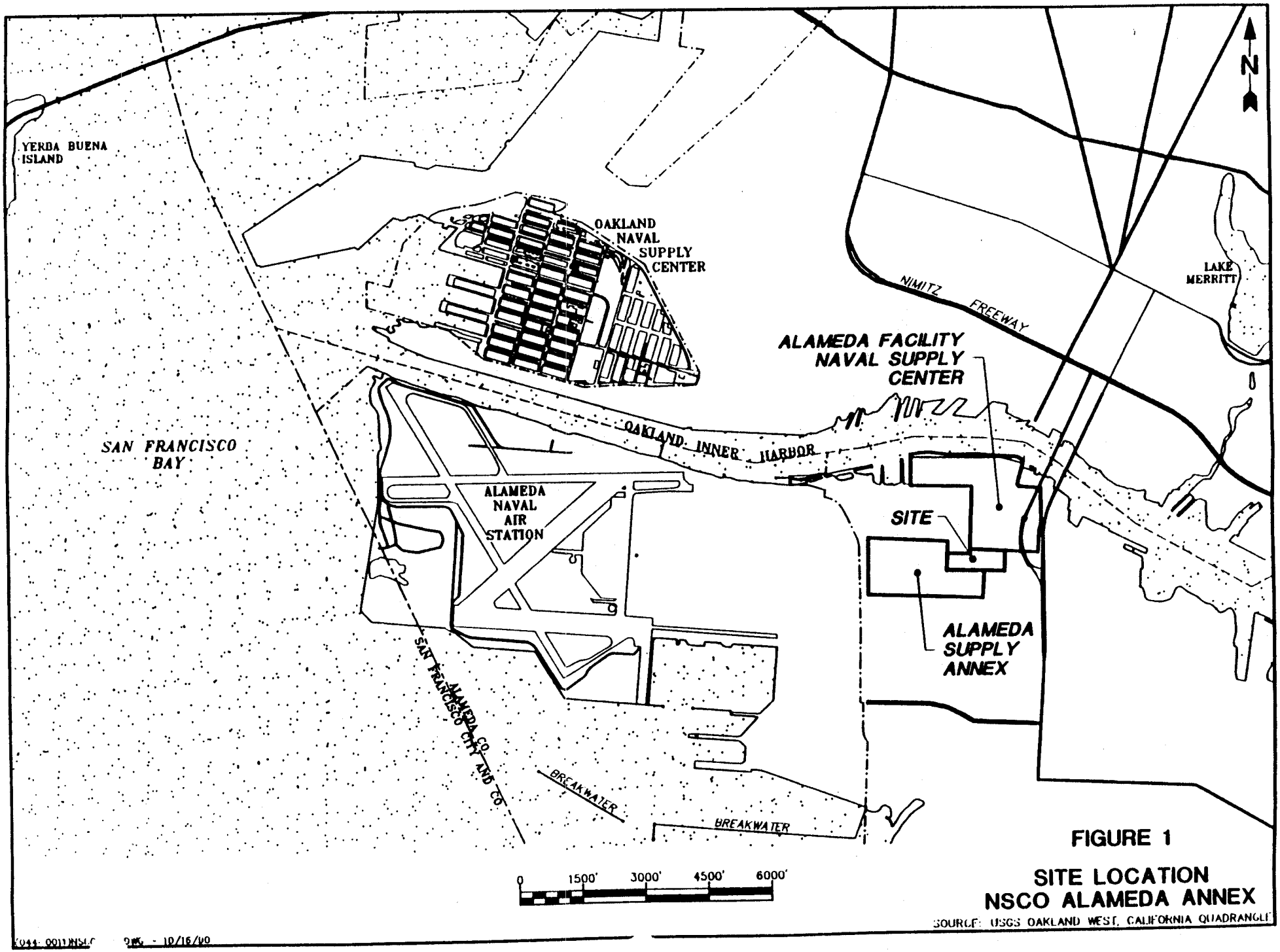

FIGURE 1

SITE LOCATION
NSCO ALAMEDA ANNEX

SOURCE: USGS OAKLAND WEST, CALIFORNIA QUADRANGLE

044: 0011NSLC DRG - 10/16/90

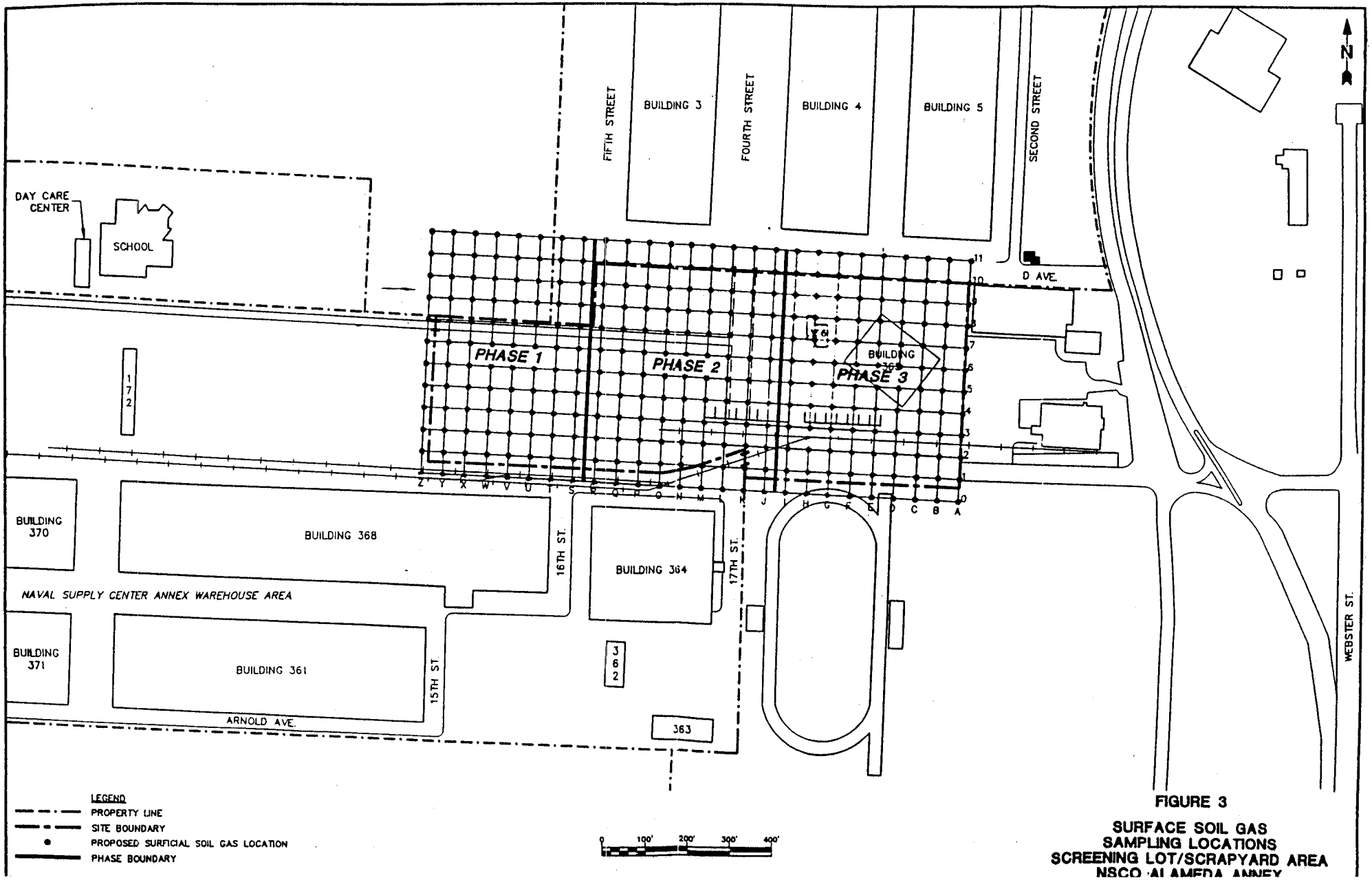

FIGURE 3

SURFACE SOIL GAS SAMPLING LOCATIONS SCREENING LOT/SCRAPYARD AREA NSCO ALAMEDA ANNEX

CLEAN

Contract No. N62474-88-D-5086

Contract Task Order 0067

Navy Engineer-in-Charge: Paul Kannapel

PRC Project Manager: Randy Fish

PRC Air Quality Project Manager: Randy Fox

NAVY SUPPLY CENTER OAKLAND
ALAMEDA ANNEX
ALAMEDA, CALIFORNIA

AIR SAMPLING AND ANALYSIS
NAVAL FAMILY HOUSING AREA

FINAL REPORT

Prepared By

PRC ENVIRONMENTAL MANAGEMENT, INC.
1099 18th Street, Suite 1960
Denver, CO 80202
303/295-1101

March 26, 1993

TABLE 4-1

RANGE OF LOWER DETECTION LIMITS (ppb)

Compound	Minimum	Maximum
Acetone	1.1	2.1
Trichlorofluoromethane	0.23	0.45
1,1-Dichloroethene	0.33	0.64
Methylene chloride	0.38	0.73
Carbon disulfide	0.42	0.80
Trichlorotrifluoroethane	0.17	0.33
trans-1,2-Dichloroethene	0.33	0.64
cis-1,2-Dichloroethene	0.33	0.64
1,1-Dichloroethane	0.32	0.62
Vinyl acetate	0.71	1.4
2-Butanone	0.85	1.7
Chloroform	0.27	0.52
1,2-Dichloroethane	0.32	0.62
1,1,1-Trichloroethane	0.24	0.46
Benzene	0.41	0.78
Carbon tetrachloride	0.21	0.40
1,2-Dichloropropane	0.28	0.55
Bromodichloromethane	0.20	0.38
Trichloroethene	0.24	0.47
cis-1,3-Dichloropropene	0.29	0.56
4-Methyl-2-pentanone	0.61	1.2
trans-1,3-Dichloropropene	0.29	0.56
1,1,2-Trichloroethane	0.24	0.46
Toluene	0.35	0.66
Dibromochloromethane	0.15	0.30
2-Hexanone	0.61	1.2
Tetrachloroethene	0.19	0.37
Chlorobenzene	0.28	0.55
Ethylbenzene	0.30	0.58
Bromoform	0.13	0.24
Styrene	0.31	0.59
m- and p-Xylenes	0.30	0.58
o-Xylene	0.30	0.58
1,1,2,2,-Tetrachloroethane	0.19	0.37
Naphthalene	0.48	0.96

TABLE 4-2
AIR SAMPLING RESULTS FOR BENZENE AT MARINA VILLAGE (ppb)

Sample ID	Building Number	Benzene
S-1-10	10	3.2
S-2-22	22	0.95
S-3-35	35	2.4
S-4-49	49	23
S-5-54	54	3.1
S-6-65	65	0.88
S-7-73	73	1.2
S-8-74	74	0.56TR
S-9-82*	82	4.3
S-35-82*	82	4.2
S-35-85*	85	0.79
S-10-85*	85	0.57
S-11-86	86	0.49
S-12-88	88	6.9
S-13-89	89	0.82
S-14-92	92	0.74TR
S-15-93	93	0.66TR
S-16-95	95	1.7
S-17-99	99	2.5
S-18-113	113	9.5
S-19-117	117	3.7
S-20-118	118	8.7
S-21-123	123	0.83
S-22-130	130	1.2
S-23-135*	135	1.5
S-23-135*	135	2.0
S-24-141	141	0.81
S-25-143*	143	0.47
S-32-143*	143	0.48TR
S-26-144	144	15
S-27-146	146	3.3
S-28-147	147	3.6
S-29-151	151	8.2
S-30-159	159	3.5

TR = Trace level - below detection limit
* = Duplicate Sample

TABLE 4-3

SUMMARY OF BENZENE RESULTS AT MARINA VILLAGE (ppb)

Building Type	Mean	Maximum	Minimum	Standard Deviation	Number of Samples
I	6.8	23	0.95	7.5	9
III	2.5	9.5	0.47	3.5	10
IV	2.1	3.6	0.81	1.4	3
V	3.4	4.3	2.5	0.76	4
VI	2.2	6.9	0.49	3.1	4
All Buildings	3.8	23	0.47	5.0	30

Note: Benzene was detected in all samples collected.

TABLE 4-4

AIR SAMPLING RESULTS FOR VOCs AT ALAMEDA ANNEX (ppb)

Compound	Sample ID							
	S-4-49	S-5-54	S-6-65	S-8-74	S-10-85^	S-11-86	S-14-92	S-15-93
Acetone	69	36	29	21	39	27	68	11
Trichlorofluoromethane	4.0	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	2.6	6.8	ND	2.1	ND	ND	ND	3.5
Carbon disulfide	ND	5.7	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane	1.2	7.8	1.6	1.2	1.4	1.3	1.3	1.2
2-Butanone	27	38	ND	ND	11	ND	15	7.8
1,1,1-Trichloroethane	0.98	1.9	1.7	1.4	1.5	2.0	2.2	0.64
Benzene	23	3.1	0.88	0.56TR	0.79	0.49	0.74TR	0.66TR
Trichloroethene	ND	1.9	ND	0.17TR	ND	ND	ND	0.54
Toluene	65	190	27	8.9	56	2.4	4.0	150
Tetrachloroethene	0.25	3.3	ND	2.5	0.31TR	ND	ND	2.0
Ethylbenzene	10	33	11	1.2	10	ND	ND	21
Styrene	2.6	10	40	ND	3.3	ND	ND	6.0
m- & p-Xylenes	36	93	3.4	4.3	30	1.5	1.9	55
o-Xylene	13	35	2.2	1.3	14	ND	0.63	22
Naphthalene	22	280	11	ND	150	24	6.8	170

Notes:

The last 2 digits in the sample ID denote the building in which the sample was taken.
ND = Not detected
TR = Trace level - below detection limit
^ = Field duplicate sample

TABLE 4-4 (Continued)

AIR SAMPLING RESULTS FOR VOCs AT ALAMEDA ANNEX (ppb)

Compound	Sample ID						
	S-17-99	S-21-123	S-22-130	S-24-141	S-25-143^	S-29-151	S-30-159
Acetone	42	11	13	19	12	20	29
Trichlorofluoromethane	1.1	ND	ND	ND	ND	ND	1.2
Methylene chloride	4.3	3.2	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane	ND	1.1	1.6	2.2	1.3	1.6	1.4
2-Butanone	16	ND	4.9	ND	2.8	ND	5.4
1,1,1-Trichloroethane	0.99	0.80	1.0	0.67	0.52	ND	0.39TR
Benzene	2.5	0.83	1.2	0.81	0.47	8.2	3.5
Trichloroethene	ND	ND	ND	ND	ND	ND	ND
Toluene	20	3.5	13	61	2.0	28	39
Tetrachloroethene	0.16TR	ND	ND	0.63	ND	ND	0.50
Ethylbenzene	3.6	ND	1.9	9.3	ND	4.9	6.0
Styrene	0.78	ND	0.40TR	2.7	0.30TR	11	1.3
m- and p-Xylenes	13	1.7	7.6	28	1.4	17	19
o-Xylene	4.4	0.67	3.9	12	0.47	6.7	8.0
Naphthalene	11	7.9	160	160	8.7	7.1	190

Notes: The last 2-3 digits in the Sample ID denote the building in which the sample was taken.
ND = Not Detected
TR = Trace Level - Below Detection Limit
^ = Field duplicate sample

AIR SAMPLING RESULTS FOR VOCs AT ALAMEDA ANNEX (ppb)

Compound	Sample ID							
	S-32-143[A]	S-33-98[C]	S-34-85[A]	S-36-158[C]	S-37-321E[B]	S-38-498E[B]	S-39-159[D]	S-40-159[D]
Acetone	20	37	110	8.7	12	13	0.93TR	1.2
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	2.9	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane	1.7	1.4	0.61	1.4	1.9	1.8	ND	ND
2-Butanone	3.4	21	63	3.4	9.5	2.4	ND	ND
1,1,1-Trichloroethane	0.44TR	0.62	0.73	0.50	0.99	0.26TR	ND	ND
Benzene	0.48TR	0.50TR	0.57	0.36TR	0.74TR	0.60TR	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	2.2	5.5	11	1.6	85	4.5	ND	ND
Tetrachloroethene	ND	ND	ND	ND	0.76	ND	ND	ND
Ethylbenzene	ND	1.2	1.0	1.3	11	1.5	ND	ND
Styrene	ND	20	0.59	ND	2.6	21	ND	ND
m- & p-Xylenes	1.4	3.2	4.5	1.3	31	4.0	ND	ND
o-Xylene	0.52TR	1.2	1.8	0.44	12	1.9	ND	ND
Naphthalene	5.5	26	12	6.2	270	12	ND	ND

Notes:

The last 2-3 digits in the sample ID denote the building in which the sample was taken. (This does not apply to samples noted with C or D, which were not indoor samples.)

ND = Not Detected

TR = Trace Level - Below Detection Limit

[A] = Field duplicate sample

[B] = Indoor off-site background sample

[C] = Outdoor on-site background sample

[D] = Field Blank sample

TABLE 4-5
SUMMARY OF VOC RESULTS AT MARINA VILLAGE (ppb)

Compound	Number of Detects	Mean (Of Detects Only)	Maximum	Minimum	Standard Deviation	Mean (Including NDs
Acetone	15	32.3	110	8.7	22	32.3
Trichlorofluoromethane	3	2.1	4.0	1.1*	1.6	0.56
Methylene Chloride	6	3.75	6.8	2.1*	1.7	1.6
Carbon Disulfide	1	5.7	5.7	5.7*	NA	0.67
Trichlorotrifluoromethane	14	1.9	7.8	1.0*	1.7	1.7
2-Butanone	9	17	63	2.8*	13	11
1,1,1-Trichloroethane	14	1.2	2.2	0.44*	0.59	1.1
Benzene	15	3.2	23	0.47	5.8	3.2
Trichloroethene	4	0.78	1.9	0.17*	0.77	0.34#
Toluene	15	43	190	2.0	56	43
Tetrachloroethene	8	1.2	3.3	0.16*	1.2	0.71
Ethylbenzene	11	9.8	33	1.0*	9.5	7.2
Styrene	11	7.0	40	0.30*	12	5.2
m- and p-xylenes	15	20	93	1.4	25	20
O-Xylene	14	8.4	35	0.47*	9.8	7.9
Naphthalene	14	81	280	6.8*	92	76

Notes:

NA Not applicable
ND Not detected
* Minimum value of detected results; there was at least one nondetect for this compound
\# Value is below the average of the maximum and minimum lower detection limits from all analyses of the compound

TABLE 4-6

BACKGROUND SAMPLE RESULTS AT ALAMEDA ANNEX (ppb)

Compound	Sample Identification			
	Outdoor On-site Background		Indoor Off-site Background	
	S-33-98	S-36-158	S-37-321E	S-38-498E
Acetone	37	8.7	12	13
Trichlorofluoromethane	ND	ND	ND	ND
Methylene chloride	ND	ND	ND	ND
Carbon disulfide	2.9	ND	ND	ND
Trichlorofluoroethane	1.4	1.4	1.9	1.8
2-Butanone	21	3.4	9.5	2.4
1,1,1-Trichloroethane	0.62	0.50	0.99	0.26TR
Benzene	0.50TR	0.36TR	0.74	0.60TR
Trichloroethene	ND	ND	ND	ND
Toluene	5.5	1.6	85	4.5
Tetrachloroethene	ND	ND	0.76	ND
Ethylbenzene	1.2	1.3	11	1.5
Styrene	20	ND	2.6	21
m- and p-Xylenes	3.2	1.3	31	4.0
o-Xylenes	1.2	0.44	12	2.9
Napthalene	26	6.2	270	12

ND = Not Detected
TR = Trace Level - Below Detection Limit

TABLE A-1 AIR SAMPLING RESULTS FOR VOCs AT ALAMEDA ANNEX (ppb)

Compound/Sample ID	S-4-49	S-5-54	S-6-65	S-8-74	S-10-85	S-11-86	S-14-92	S-15-93
Acetone	69	36	29	21	39	27	68	11
Trichlorofluoromethane	4.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	2.6	6.8	ND	2.1	ND	ND	ND	3.5
Carbon disulfide	ND	5.7	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane	1.2	7.8	1.6	1.2	1.4	1.3	1.3	1.2
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	27	38	ND	ND	11	ND	15	7.8
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.98	1.9	1.7	1.4	1.5	2.0	2.2	0.64
Benzene	23	3.1	0.88	0.56TR	0.79	0.49	0.74TR	0.66TR
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	1.9	ND	0.17TR	ND	ND	ND	0.54
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	65	190	27	8.9	56	2.4	4.0	150
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	0.24	3.3	ND	2.5	0.31TR	ND	ND	2.0
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	10	33	11	1.2	10	ND	ND	21
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	2.6	10	40	ND	3.3	ND	ND	6.0
m- & p-Xylenes	36	93	3.4	4.3	30	1.5	1.9	55
o-Xylene	13	35	2.2	1.3	14	ND	0.63	22
1,1,2,2,-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	22	280	11	ND	150	24	6.8	170

ND = Not detected TR = Trace level - below detection limit

TABLE A-1 AIR SAMPLING RESULTS FOR VOCs AT ALAMEDA ANNEX (ppb) (Continued)

Compound/Sample ID	S-17-99	S-21-123	S-22-130	S-24-141	S-25-143	S-29-151	S-30-159
Acetone	42	11	13	19	12	20	29
Trichlorofluoromethane	1.1	ND	ND	ND	ND	ND	1.2
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	4.3	3.2	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane	ND	1.1	1.6	2.2	1.3	1.6	1.4
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	ND	ND	ND	ND	ND	ND	ND
2-Butanone	16	ND	4.9	ND	2.8	ND	5.4
Chloroform	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.99	0.80	1.0	0.67	0.52	ND	0.39TR
Benzene	2.5	0.83	1.2	0.81	0.47	8.2	3.5
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Toluene	20	3.5	13	61	2.0	28	39
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	0.16TR	ND	ND	0.63	ND	ND	0.50
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	3.6	ND	1.9	9.3	ND	4.9	6.0
Bromoform	ND	ND	ND	ND	ND	ND	ND
Styrene	0.78	ND	0.40TR	2.7	0.30TR	11	1.3
m- & p-Xylenes	13	1.7	7.6	28	1.4	17	19
o-Xylene	4.4	0.67	3.9	12	0.47	6.7	8.0
1,1,2,2,-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND
Naphthalene	11	7.9	160	160	8.7	7.1	190

ND = Not detected TR = Trace level - below detection limit

TABLE A-1 AIR SAMPLING RESULTS FOR VOCs AT ALAMEDA ANNEX (ppb) (Continued)

Compound/Sample ID	S-32-143	S-33-98	S-34-85	S-36-158	S-37-321E	S-38-498E	S-39-159	S-40-159
Acetone	20	37	110	8.7	12	13	0.93TR	1.2
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	1.2	ND	ND	ND
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	2.9	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane	1.7	1.4	0.61	1.4	1.9	1.8	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	3.4	21	63	3.4	9.5	2.4	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.44TR	0.62	0.73	0.50	0.99	0.26TR	ND	ND
Benzene	0.48TR	0.50TR	0.57	0.36TR	0.74TR	0.60TR	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	2.2	5.5	11	1.6	85	4.5	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	0.76	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	1.2	1.0	1.3	11	1.5	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	20	0.59	ND	2.6	21	ND	ND
m- & p-Xylenes	1.4	3.2	4.5	1.3	31	4.0	ND	ND
o-Xylene	0.52TR	1.2	1.8	0.44	12	1.9	ND	ND
1,1,2,2,-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	5.5	26	12	6.2	270	12	ND	ND

ND = Not detected TR = Trace level - below detection limit

CLEAN
Central Zone

Contract No. N62474-88-D-5086

Contract Task Order No. 0200

Navy Engineer-in-Charge: Ernesto Galang

PRC Project Manager: Daniel Shafer

Versar Project Manager: Doug Bleakly

NAVAL SUPPLY CENTER, OAKLAND
ALAMEDA ANNEX AND FACILITY
SCREENING LOT AND SCRAPYARD AREA
ALAMEDA, CALIFORNIA

SAMPLING RESULTS
TECHNICAL MEMORANDUM
VOLUME I of VI

DRAFT

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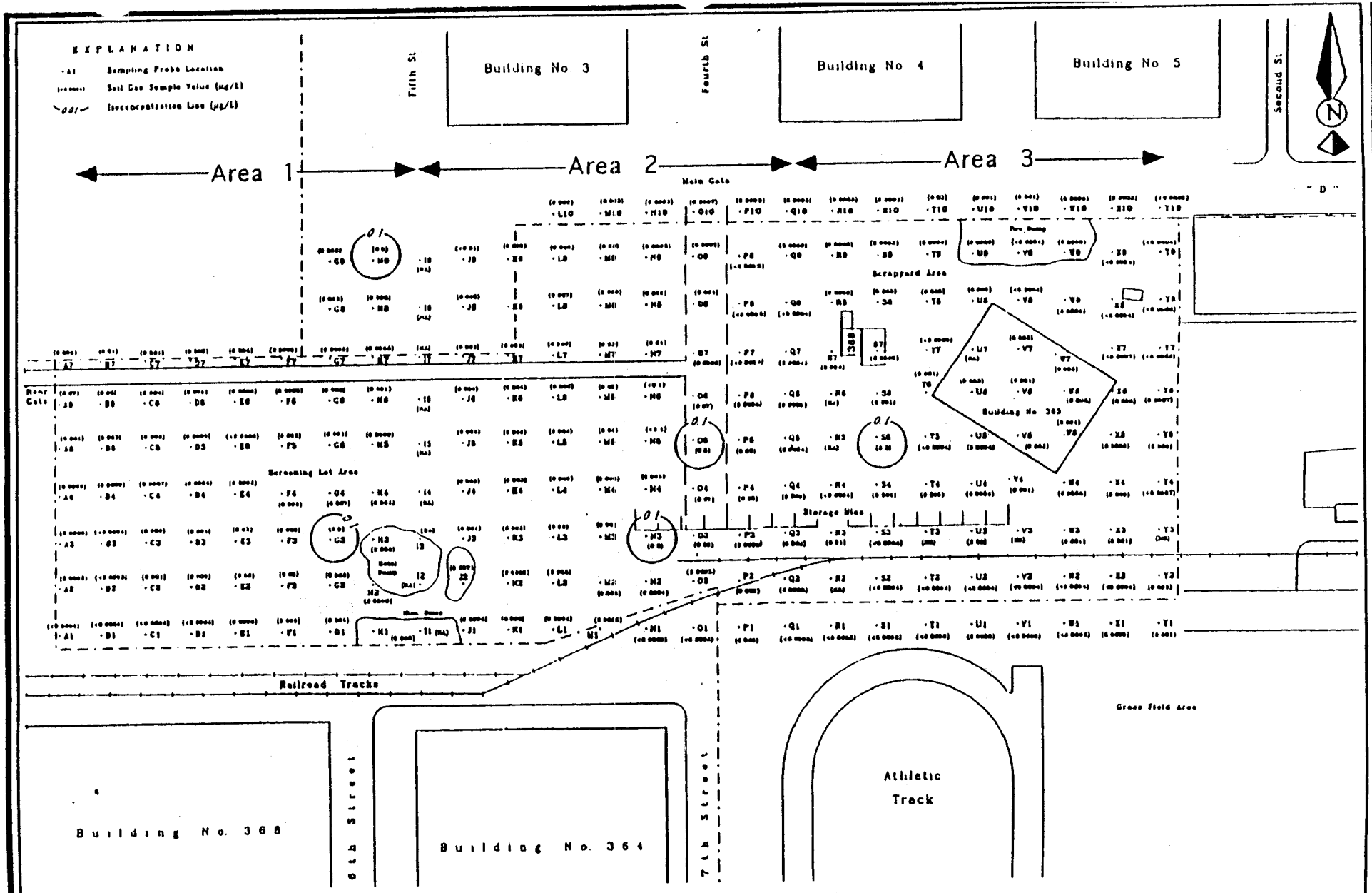
February 1993



Approximate Scale (feet)

0 200

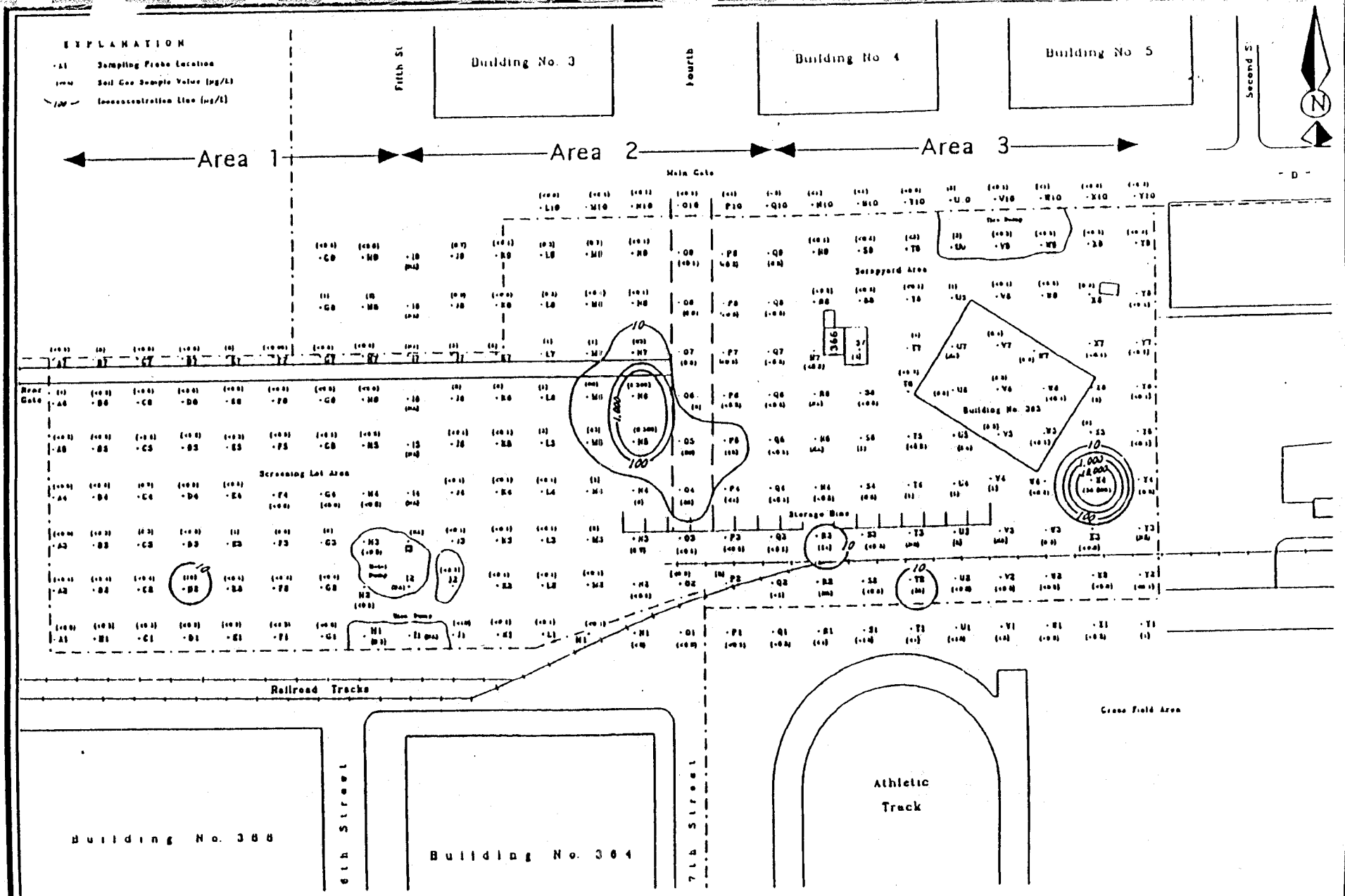
CTO 0200

Soil Gas Survey Concentration Contour Map: Trichloroethane (TCA)

Screening Lot / Scrapyard Area
NSCO Alameda Annex and Facility

Figure 20

RI/FS



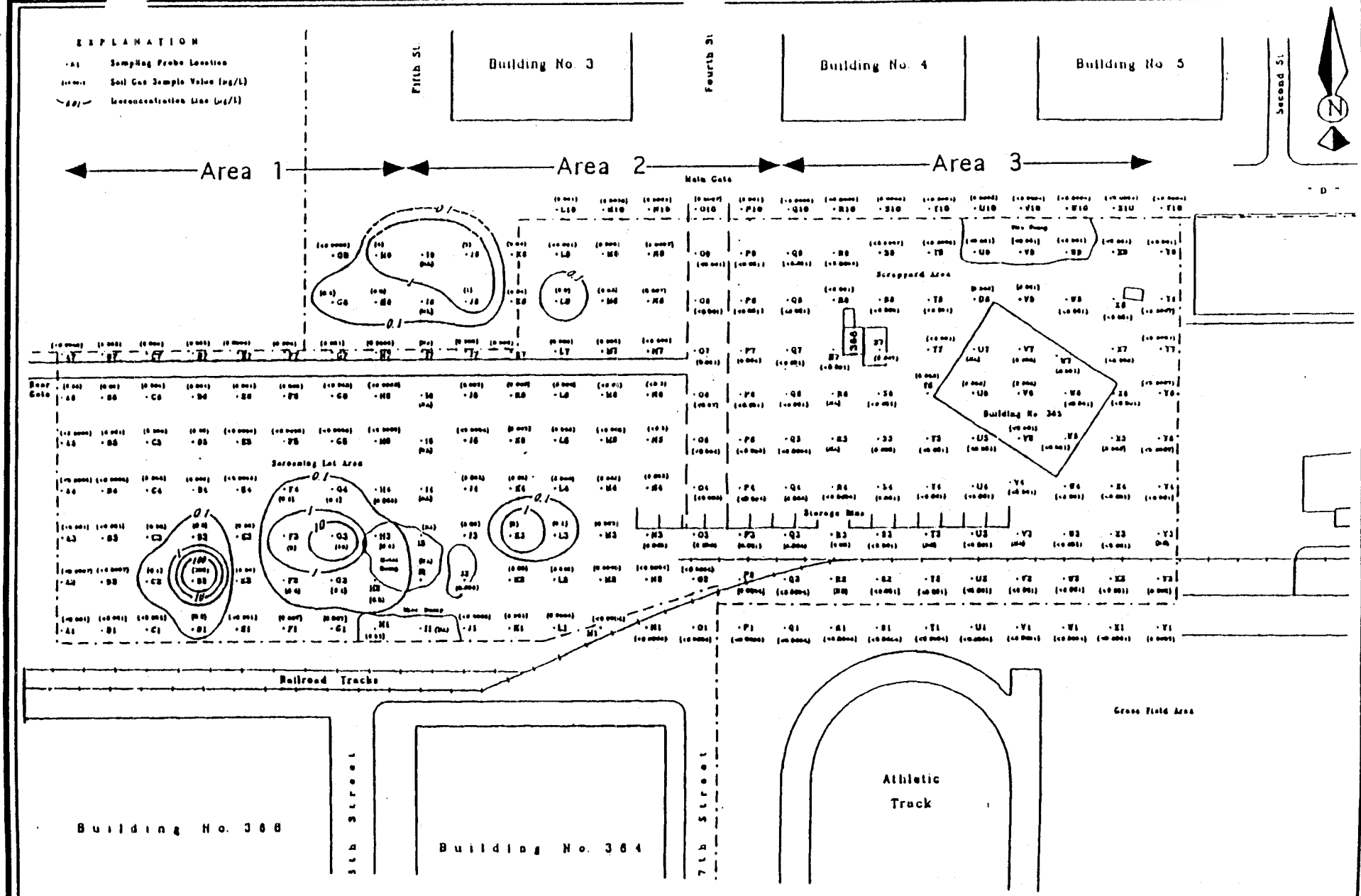
Approximate Scale (feet)
0 200

CTO 0200

Soil Gas Survey Concentration Contour Map:
Total Volatile Hydrocarbon Compounds (TVHC)
Screening Lot / Scrapyard Area
NSCO Alameda Annex and Facility

Figure 23

RI/FS



Approximate Scale (feet)

0 200

CTO 0200

Soil Gas Survey Concentration Contour Map:
Tetrachloroethene (PCE)
Screening Lot / Scrapyard Area
NSCO Alameda Annex and Facility

Figure 21

RI/FS

SECTION 6-98

PARCEL 98 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 98 at NAS Alameda (Figure 6-98-1). The parcel, which is located in the northeastern corner of the base, is approximately 45 acres in size and is roughly square in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. Two parcel-specific and two zone-wide target investigation areas (target areas) were identified on this parcel. Sampling procedures called for in the screening-level investigation in these target areas include surface soil sampling and soil vapor sampling. Table 6-98-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 98, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 98, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also describes any areas of concern identified.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 99, 100, 103, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184 and 212. This parcel zone has been designated the Housing Zone (Zone 16). The Housing Zone encompasses the parcels that are primarily residential and commercial (e.g., the Navy Lodge). During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the

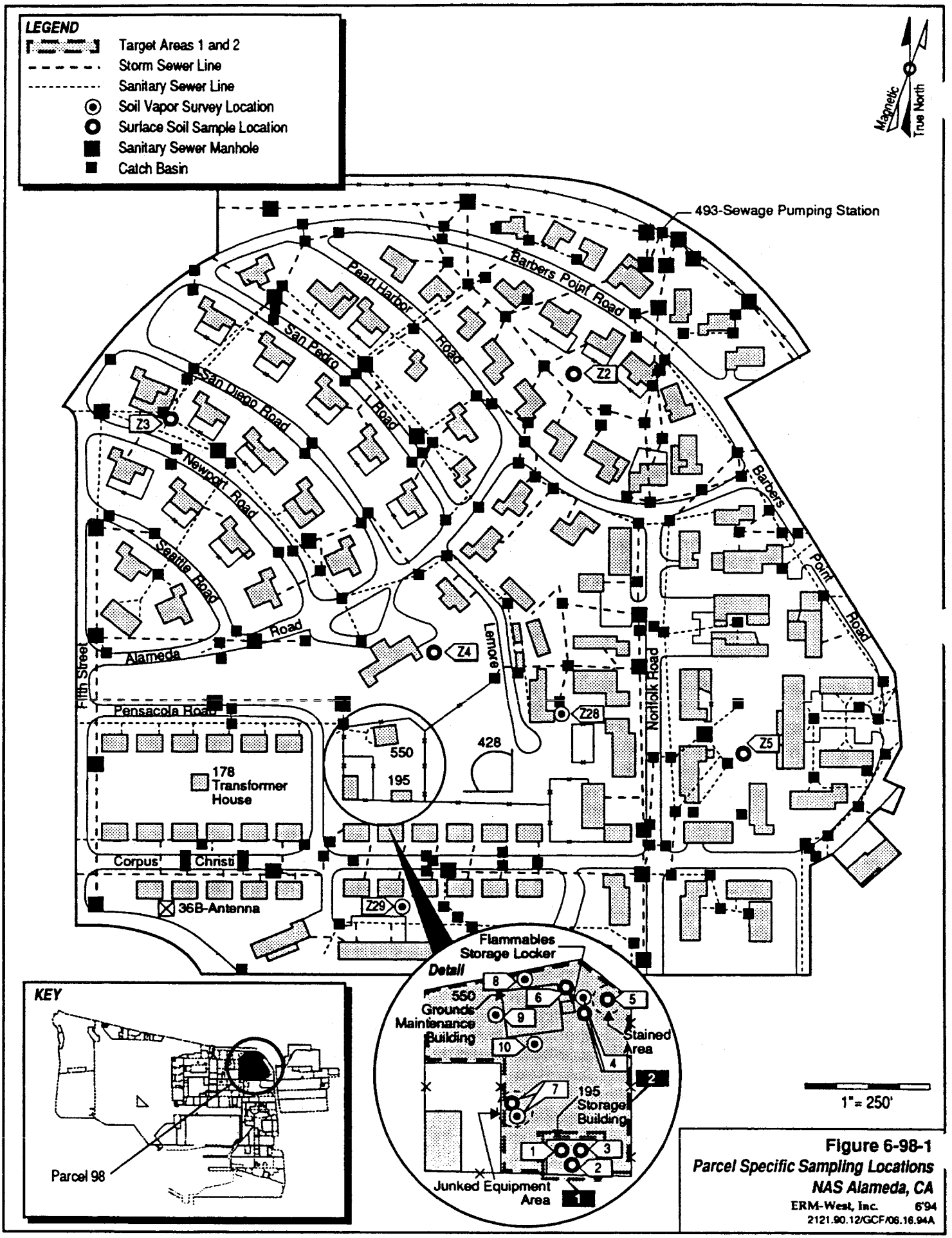


Figure 6-98-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/06.16.94A

TABLE 6-98-1

Summary of Recommended Samples
NAS Alameda Parcel 98

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Target Analytes	Analytical Method
98-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides/PCBs, TPH	CLP RAS, Modified EPA 8015
98-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides/PCBs, TPH	CLP RAS, Modified EPA 8015
98-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides/PCBs, TPH	CLP RAS, Modified EPA 8015
98-4-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	Modified EPA 8015
98-4-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
98-5-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	Modified EPA 8015
98-6-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Pesticides/PCBs, TPH	CLP RAS, Modified EPA 8015
98-7-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Pesticides/PCBs, TPH	CLP RAS, Modified EPA 8015
98-7-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
98-8-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
98-9-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
98-10-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
Z16-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 1	Pesticides	CLP RAS
Z16-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 1	Pesticides	CLP RAS
Z16-4-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 1	Pesticides	CLP RAS
Z16-5-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 1	Pesticides	CLP RAS
Z16-28-3-V-S-DDMMYY	0.0-0.5'	SVS	Vapor	Zone 16 Target Area 2	VOCs	GC
Z16-29-3-V-S-DDMMYY	0.0-0.5'	SVS	Vapor	Zone 16 Target Area 2	VOCs	GC

data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 16.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was composed of approximately 40 percent salt marsh and tidal flats and 60 percent inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1931; the ground level may have been raised slightly between 1931 and 1940. The fill initially sloped to the south but was later made nearly flat.

Currently, approximately 115 buildings cover approximately 20 percent of the parcel (Figure 6-98-1). The remaining 80 percent of the parcel is open space. In general, the parcel area is currently used for family housing. Approximately 20 buildings, which were mostly temporary barracks and associated facilities, were formerly located on the parcel in the area between Norfolk Road and Barbers Point Road. These buildings have since been demolished and replaced with multi-family residences. Sewer lines are present on this parcel and are shown on Figure 6-98-1.

Parcel 98 is located approximately 350 feet south of an Installation Restoration (IR) site (IR Site 20, Oakland Estuary). No previous investigations have been conducted at Parcel 98, and specific data regarding chemical occurrence at this parcel are not available.

It is recommended that the parcel-specific sampling data be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, background concentrations may represent a more appropriate screening level than the concentrations suggested by the PRGs.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials will be addressed in other sampling programs and are not considered in this PEP. Results of radon tests conducted in two of the parcel buildings were negative. Interiors of individual housing units were not inspected during the EBS.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Family Housing

The family housing units on the parcel were constructed in two phases. The first phase of construction took place in the early 1940s which included construction of most of the units along Pensacola Road and Corpus Christi Road, and the units in the area bounded by Alameda Road and Pearl Harbor Road. The remaining housing units on Parcel 98 (located along Barbers Point Road and Norfolk Road) were added after 1961, after barracks in that area were demolished. Utilities located within and immediately surrounding these buildings include underground natural gas, sanitary sewer, storm sewer, water, and electrical lines.

Building 550

This building is a metal maintenance shed with concrete floors. It covers approximately 1,000 square feet. The construction date of Building 550 is unknown. The building is currently occupied by a maintenance contractor who is supervised by PWC. The building and surrounding area are enclosed by a fence. The area has reportedly been used by grounds maintenance personnel for approximately 20 to 30 years.

Building 195

Building 195 is a metal Quonset hut used for storage of fertilizers and pesticides. It is approximately 40 feet long and 20 feet wide. The building has an earthen floor. The construction date of Building 195 is unknown.

Building 278

Building 278 is a small stucco transformer house. When the building was inspected during the EBS, the transformer had been removed from the concrete pad inside the building and was located on the ground approximately four feet east of the building. No evidence of transformer leakage was noted and no evidence of chemical storage or use was observed. The construction date of Building 278 is unknown.

Facility 493

This facility is a sewage pumping station that is located below ground beneath a concrete pad which is surrounded by a chain link fence. Assorted vent pipes, access ports, and other equipment extend above

the pad. The facility is also referred to as "sewage station 3." A sign at the facility indicates its number is 492 rather than 493, as shown on facility maps. No chemicals were observed to be present at the facility. The construction date of Facility 493 is unknown.

Structure 36B

This structure is the base of a former radio communications antenna that has been demolished. The construction and demolition dates of Structure 36B are unknown.

Facility 428

This facility is a baseball field with a backstop and a small set of bleachers.

Open Space

The open space of Parcel 98 has been subdivided into two open spaces. The first open space is the fenced area of the maintenance yard associated with Building 550. Eighty percent of this area consists of bare soil and gravel and 20 percent is covered with grass and weeds. The second open space area consists of the landscaped and paved portions of the parcel between the housing units. Utilities located within the open space include underground electrical, storm sewer, sanitary sewer, water, and natural gas lines. Pad-mounted and pole-mounted transformers are also located in the open space.

Interviews indicate that banned pesticides and possibly PCBs may have been used in grounds maintenance at NAS Alameda. This may have impacted landscaped areas of both parcel open spaces. In addition, the open space associated with Building 550 may have been impacted by chemical use and storage activities associated with maintenance operations. Three stained areas were noted outside Building 550. These stains are believed to be the result of leaks and spills of petroleum products and/or pesticides. The stains are located in the gravel area east of Building 550, around the flammables storage locker located at the exterior east wall of Building 550, and along the northern half of the east side of the Building 550 foundation. An additional concern in this open space is the presence of discarded equipment between Building 550 and Building 195. An abandoned 55-gallon waste oil drum was also observed in this area.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 98 is bordered by Parcels 62, 79, 80, 87, 88, 96, 97, 99, 100, 102, 103, 104, 105, 188, 189, and 900. The only activities of concern are the shipyard-related operations that occurred at the former Todd Shipyard (located northeast of Parcel 98, off-base).

No parcels contiguous with Parcel 98 are IR sites; therefore, no sampling is called for in this PEP in response to any IR sites.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 98, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-98-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, radiological concerns, and asbestos. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

No industrial hygiene (IH) sampling is required for Parcel 98 because no industrial buildings are present.

As noted earlier, Parcel 98 has open space areas that are unpaved and landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., unpaved areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides.

TABLE 6-98-2

Summary of Data Gaps
NAS Alameda Parcel 98

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 98.
Installation Restoration (IR) Sites	• IR Site 20 (Oakland Estuary) is located approximately 350 feet north of Parcel 98. Additional subsurface investigation relative to IR Site 20 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Parcel 900 (The former Todd Shipyard).
Potential Zone-Wide Release Areas	• Landscaped/Unpaved Areas. • Filled wetlands.
Potential Parcel-Specific Release Areas	• Maintenance Yard. • Building 195.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current of former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, natural gas, and water lines identified.

TABLE 6-98-2

Summary of Data Gaps
NAS Alameda Parcel 98

Data Gap	Status/Description
Wetlands	• No wetlands identified.
Other	• Other data gaps identified include assorted vent pipes and access ports at Facility 493 (sewage pumping station).

Potential concerns related to pesticides have been identified as a parcel-specific data gap for Parcel 98. Pesticide sampling for this parcel has been limited to Building 195 and the maintenance yard associated with Building 550 (See detail on Figure 6-98-1), based on the potential intensive use and storage activities at these locations and the stains observed during the site inspection. Pesticide sampling outside the intensive-use area described above has been addressed as a zone-wide issue for the parcels located in Zone 16. Pesticide sampling for the landscaped areas of Parcel 98 are described in the Zone Analysis Plan for Zone 16.

As noted earlier, Parcel 98 was previously occupied by wetlands. The parcel may have been impacted by historical (prior to filling) releases or disposal of organic compounds from a nearby oil refinery and two gas manufacturing plants. Subsurface soil samples collected on Parcel 181 as part of the investigation of the Naval Supply Center contained elevated levels of benzene and naphthalene. The soil samples contained a tar-like material. The affected horizon was between 16 and 20 feet below the ground surface (bgs). No parcel-specific VOC sampling has been proposed for Parcel 98; however, VOC sampling has been addressed as a zone-wide issue for the parcels located in Zone 16.

Once the data gaps in Table 6-98-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 98 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains two parcel-specific target areas and is also affected by two zone-wide target areas. This subsection of the PEP discusses the specific parcel target areas and provides an overview of the zone-wide target areas. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 16. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Building 195): The unpaved floor of Building 195 may have been impacted by the storage and use of potentially hazardous substances including pesticides, PCBs, and petroleum products (gasoline, diesel fuel, and motor oil). This target area

covers approximately 950 square feet. The likelihood that environmental impacts have occurred in this target area is classified as suspect. Samples to be collected in Target Area 2 are listed in Table 6-98-1.

- Target Area 2 (Maintenance Yard): The Maintenance Yard covers approximately 60,000 square feet. The soil in the area along the eastern side of Building 550 may have been impacted by the storage and use of potentially hazardous substances related to grounds maintenance activities. Staining around Building 550 (Grounds Maintenance) indicates that releases have occurred. In addition, staining observed in the junked equipment area (abandoned vehicles, etc.), which is located to the southwest of Building 550, indicates that releases have occurred. Potential compounds of concern in Target Area 1 include pesticides, herbicides, PCBs, solvents, and petroleum products (gasoline, diesel fuel, and motor oil). The likelihood that environmental impacts have occurred in this target area is classified as potential. Samples to be collected in Target Area 1 are listed in Table 6-98-1.

- Zone 16 Target Area 1 (Landscaped Areas): Zone 16 Target Area 1 includes all landscaped and currently or formerly unpaved areas within the Housing Zone. The landscaped areas located throughout Parcel 98 are part of this zone-wide target area. Four of the 21 proposed zone-wide surface soil samples for pesticides are located on Parcel 98. The samples were located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area. The proposed zone-wide target area samples that are located on Parcel 98 are listed on Table 6-98-1.

- Zone 16 Target Area 2 (Filled Wetlands): Zone 16 Target Area 2 includes all former wetlands within the Housing Zone. Two of the 14 proposed zone-wide soil vapor samples for VOCs are located in Parcel 98. The sample was located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area. Samples that are located on Parcel 99 are listed on Table 6-98-1.

Screening-Level Investigation

Two screening-level techniques, surface soil sampling (SOP 3) and soil vapor sampling (SOP 6), will be employed to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-98-1 summarizes screening-level sampling and analyses for the parcel's target areas.

Seven soil vapor samples and eleven surface soil samples will be collected from the locations shown on Figure 6-98-1 (note detail area). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

The seven soil vapor samples will be collected at the following locations: five in the maintenance yard and two through-out the parcel (as part of the zone-wide sampling). The eleven of the surface soil samples will be collected at the following locations: three samples from the stained areas inside Building 195, one sample from the junked equipment area, one sample from the stained area east of Building 550, one sample from the stained area in front of the door of the flammables storage locker, one sample from the soil adjacent to the staining at the northeast corner of the Building 550 foundation, and four samples from the landscaped areas located throughout this parcel. These sample locations are shown in Figure 6-98-1. These locations are based on the evaluation of historic activities inside the buildings and in open spaces described above. Minor adjustments in the sample locations may be made in the field based on visual observations and accessibility. Samples will be analyzed for TPH and/or pesticides/PCBs and/or VOCs as indicated on Table 6-98-1.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: subsurface GeoProbe soil sampling (SOP 14), Hydropunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-99

PARCEL 99 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 99 at NAS Alameda (Figure 6-99-1). The parcel, which is located in the northeastern portion of the base, is 3.5 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific target areas were identified at this parcel. However, two zone-wide target areas encompass this parcel. One sample for each of the zone-wide target areas is to be collected at this parcel. Surface soil sampling and soil vapor sampling will be used to accomplish the screening-level investigation. Table 6-99-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 99, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for the open space and boundaries of Parcel 99, consistent with objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 98, 100, 103, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184 and 212. This parcel zone has been designated the Housing Zone (Zone 16). The Housing Zone encompasses the parcels that are primarily residential and commercial (e.g., the Navy Lodge). During the sampling program development, the parcels located in this zone were evaluated together.

TABLE 6-99-1

Summary of Recommended Samples
NAS Alameda Parcel 99

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Target Analytes	Analytical Method
Z16-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 1	Pesticides	CLP RAS
Z16-27-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 16 Target Area 2	VOCs	GC

Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 16.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was covered by tidal flats and/or wetlands. The area within the parcel boundary was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, no buildings or structures are present on the parcel. The parcel is 100 percent open space. The parcel is presently in use as a playground and parking area. Three temporary barracks (Buildings 143, 145, and 147) were formerly located on the parcel and have since been demolished. Sewer lines are present on the parcel and are shown on Figure 6-99-1.

Parcel 99 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 99, and specific data regarding chemical occurrence at this parcel are not available; however, investigations have been conducted at Parcel 178 located to the east of Parcel 99 (east of Main Street). Specific data regarding chemical occurrence are available for Parcel 178.

It is recommended that the parcel-specific sampling data be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, background concentrations may represent a more appropriate screening level than the concentrations suggested by the PRGs.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Activities of potential concern within the parcel open space are described in detail below.

Open Space

The open space covers 100 percent of the parcel. Ninety percent of the open space is landscaped with grass, bushes, and trees, and a park/playground area is present in the center of the parcel. The

remaining ten percent of the open space is paved with asphalt roadways and parking areas.

The parcel formerly contained part of several temporary barracks (Buildings 143, 145, and 147) that were built in the early 1940s and demolished in the late 1960s. The landscaped areas along the western side of the parcel appear to have been continuously maintained since the 1940s when they bordered the former barracks. The other landscaped areas of the parcel date to the late 1960s, after demolition of the barracks.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 99 is bounded by parcel 98 (housing area) to the north and west, and Parcel 100 (Navy Lodge) to the south. The northeastern and eastern borders of the parcel are bounded by the former Todd Shipyard and Main Street, respectively. To the east and south east of Main Street are Parcels 178 and 174 (former warehouse and scrap yard), respectively. While some compounds of concern have been detected at Parcel 178, the concentrations have been relatively low, and impacts to Parcel 99 from Parcel 178 are unlikely.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 99, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-99-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: radiological concerns. Sampling and imaging associated with sewer lines are also addressed

TABLE 6-99-2

Summary of Data Gaps
NAS Alameda Parcel 99

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 99
Installation Restoration (IR) Sites	• No IR sites are located on or within 500 feet of Parcel 99.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• The former Todd Shipyard is located northeast of Parcel 99.
Potential Zone-Wide Release Areas	• Landscaped Areas. • Filled Wetlands.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, and electrical lines identified.
Wetlands	• No wetlands identified as currently being located on-site.
Other	• No evidence of other data gaps identified.

separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

No industrial hygiene (IH) sampling is required for Parcel 99 because no buildings are present.

As noted earlier, Parcel 99 had and currently has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) need to be sampled for pesticides. Therefore, no parcel-specific pesticide sampling has been proposed for Parcel 99. Pesticide sampling for landscaped areas has been addressed as a zone-wide issue for the parcels located in Zone 16.

As noted earlier, Parcel 99 was previously occupied by wetlands. The parcel may have been impacted by historical (prior to filling) releases or disposal of organic compounds from a nearby oil refinery and two gas manufacturing plants. Subsurface soil samples collected on Parcel 181 as part of the investigation of the Naval Supply Center contained elevated levels of benzene and naphthalene. The soil samples contained a tar-like material. The affected horizon was between 16 and 20 feet below the ground surface (bgs). No parcel-specific VOC sampling has been proposed for Parcel 99; however, VOC sampling has been addressed as a zone-wide issue for the parcels located in Zone 16.

Once the data gaps in Table 6-99-2 are addressed and screening-level sampling results from the zone-wide target areas described below are compared to the appropriate screening levels, Parcel 99 may be reclassified from BRAC Category 7 to another BRAC.

Target Areas and Compounds of Concern

No parcel-specific and two of the three zone-wide target areas encompass this parcel. This subsection of the PEP provides an overview of the zone-wide target areas. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 16. The nature and locations of the zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual

observation and accessibility. The two zone-wide target areas identified at this parcel are listed in Table 6-99-2.

- Zone 16 Target Area 1 (Landscaped Areas): Zone 16 Target Area 1 includes all landscaped and currently or formerly unpaved areas within the Housing Zone. The landscaped areas located throughout Parcel 99 are part of this zone-wide target area. One of the 21 proposed zone-wide surface soil samples for pesticides is located in Parcel 99. The sample was located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area. Samples that are located on Parcel 99 are listed on Table 6-99-1.

- Zone 16 Target Area 2 (Filled Wetlands): Zone 16 Target Area 2 includes all former wetlands within the Housing Zone. One of the 14 proposed zone-wide soil vapor samples for VOCs is located in Parcel 99. The sample was located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area. Samples that are located on Parcel 99 are listed on Table 6-99-1.

Screening-Level Investigation

Several screening-level investigation techniques will be employed to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase is necessary. These techniques include surface soil sampling (SOP 3) and soil vapor sampling (SOP 6). Table 6-99-1 summarizes screening-level sampling and analysis for the parcel's zone-wide target areas. One surface soil sample and one soil vapor sample will be collected from the approximate locations shown on Figure 6-99-1. Sampling will be conducted in accordance with the referenced SOP in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technologies discussed above on a higher sampling density as well as the following technologies not previously discussed: subsurface

GeoProbe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

PARCELS 100 AND 212 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcels 100 and 212 at NAS Alameda (Figure 6-100-1). Parcel 212 is being considered concurrently with Parcel 100 because the histories and former uses of these parcels are very similar. Parcel 212 is completely contained within Parcel 100 (see Figure 6-100-1). The parcels, which are located in the northeastern portion of the base, are four acres in size and together are roughly rectangular in shape. These parcels have been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located on these parcels. One parcel-specific target investigation area (target area) and two zone-wide target areas encompass these parcels. No zone-wide target area samples are located on these parcels. Subsurface GeoProbe soil sampling will be used to accomplish the screening-level investigation. Table 6-100-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcels 100 and 212, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcels 100 and 212, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of these parcels was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

These parcels have been grouped into a zone with Parcels 98, 99, 103, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, and 184.

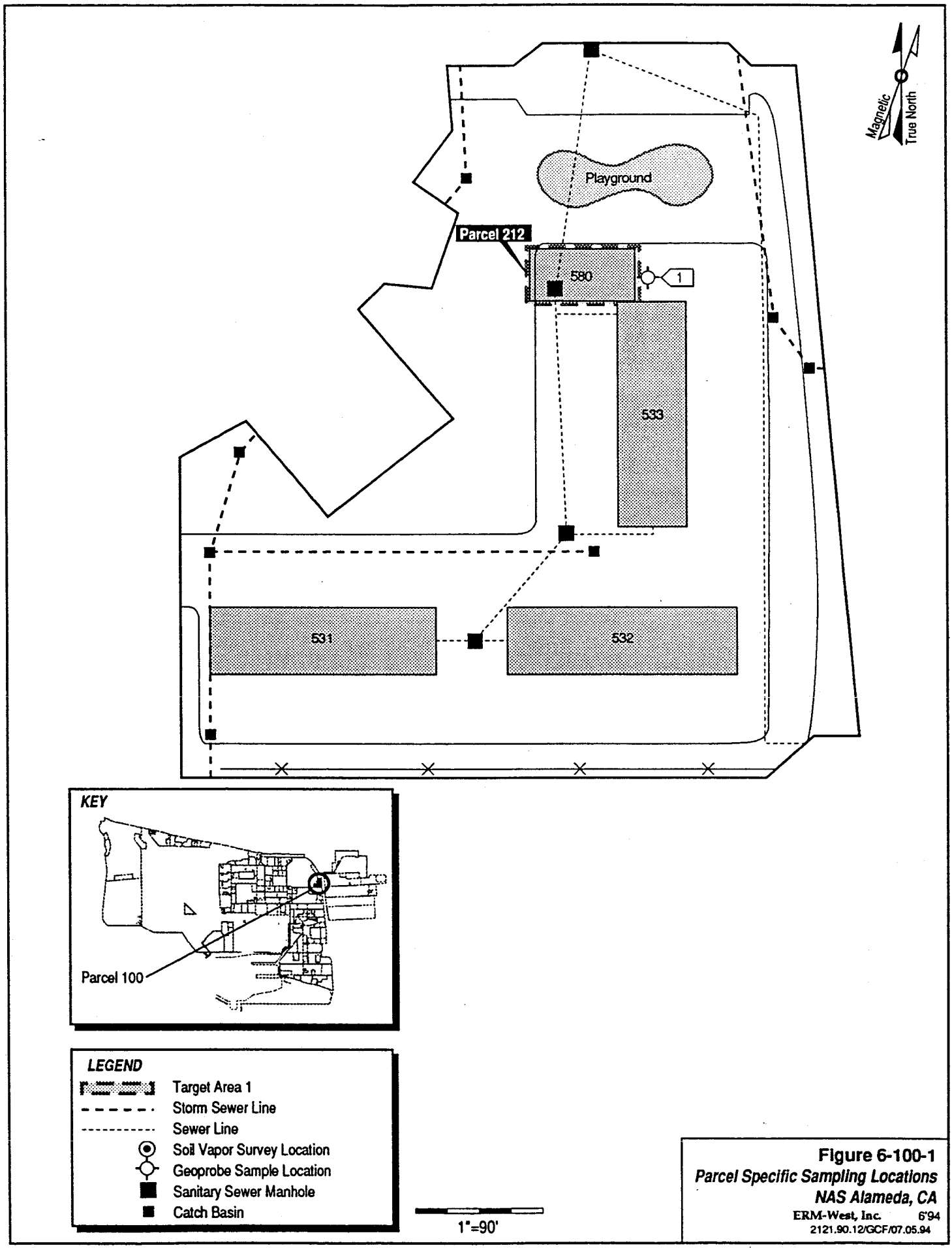


Figure 6-100-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/07.05.94

TABLE 6-100 & 212 -1

Summary of Recommended Samples
NAS Alameda Parcels 100 & 212

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Target Analytes	Analytical Method
100-1-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	VOCs, TPH	CLP RAS, Modified EPA 8015

This parcel zone has been designated the Housing Zone (Zone 16). The Housing Zone encompasses the parcels that are primarily residential and commercial (e.g., the Navy Lodge). During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 16.

Filling began in the area covered by these parcels in the early 1930s. Prior to this time, the parcel area was covered by tidal flats and/or wetlands. The area within the parcel boundary was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, a Navy motel consisting of Buildings 531, 532, and 533 covers approximately 15 percent Parcel 100. The remainder (85 percent) of Parcel 100 is open space that is partially landscaped and partially paved. Parcel 100 formerly contained all or part of several temporary barracks (Buildings 139, 141, 148, and 149) built in the early 1940s and demolished in the late 1960s. Currently, two Conex boxes and a shed used by the adjacent Navy Lodge motel cover approximately five percent Parcel 212. The remainder (95 percent) of Parcel 212 is open space that is partially landscaped and partially paved. Parcel 212 formerly contained part of Building 141, a temporary barracks building built in the early 1940s and demolished in the late 1960s. Sewer lines on Parcels 100 and 212 are shown in Figure 6-100-1.

Parcels 100 and 212 are not located within 500 feet of any Installation Restoration (IR) Program sites. Previous investigations have not been conducted at Parcels 100 or 212; however, investigations have been conducted at Parcel 178 located to the east of Parcel 100 east of Main Street. Specific data regarding chemical occurrence are available for Parcel 178.

It is recommended that the parcel-specific sampling data be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, background concentrations may represent a more appropriate screening level than the concentrations suggested by the PRGs.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Activities of potential

Building CHB-3

Building CHB-3 is a Conex box (no roof vent) located on the grass on the northwest corner of the parcel. Less than 10 gallons of paint were observed to be stored in the building. The age of the building is unknown.

Open Space

Parcel open space is 60 percent paved (with concrete sidewalks and asphalt parking areas). The remaining 40 percent of the open space is landscaped with grass, bushes, and trees. A playground area is present near the north end of Building 533. The landscaped areas along the western and southern sides of the parcel appear to have been continuously maintained since the early 1940s when they bordered the former barracks. The other landscaped areas of the parcel date to the early 1970s, after construction of the motel buildings.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at these parcels. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at these parcels.

Parcel Boundary Conditions

Parcel 100 is bounded by Main Street, Avenue C, and Barber Point Road to the east, south, and northwest, respectively. Across the streets to the east is Parcels 178 (housing, former warehouse), and Parcels 98 (housing) and 102 (parking lot and commissary) are located to the west. Parcel 99 (playground/park) borders Parcel 100 to the north. While some constituents of concern have been detected at Parcel 178, the concentrations have been relatively low, and impacts to Parcels 100/212 from Parcel 178 are unlikely.

Parcel 212 is entirely contained within Parcel 100.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcels 100 and 212, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific

issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-100-2 must be addressed before these parcels can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at these parcels: transformers, lead-based paint, asbestos, and radiological concerns. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling appears to be required for Parcels 100 and 212 because no industrial buildings are present. However, the one-time compliance program will determine whether further sampling or cleanup measures are required within buildings before transfer or lease can occur.

As noted earlier, Parcels 100 and 212 previously had and currently has open space areas that were landscaped. Based on current EPA/Cal-EPA policy, landscaped areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) need to be sampled for pesticides. Pesticide sampling for landscaped areas has been addressed as a zone-wide issue for the parcels located in Zone 16.

As noted earlier, Parcels 100 and 212 were previously occupied by wetlands. These parcels may have been impacted by historical (prior to filling) releases or disposal of organic compounds from a nearby oil refinery and two gas manufacturing plants. Subsurface soil samples collected on Parcel 181 as part of the investigation of the Naval Supply Center contained elevated levels of benzene and naphthalene. The soil samples contained a tar-like material. The affected horizon was between 16 and 20 feet below the ground surface (bgs). No parcel-specific VOC sampling has been proposed for Parcel 100; however, VOC sampling has been addressed as a zone-wide issue for the parcels located in Zone 16.

Once the data gaps in Table 6-100-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcels 100 and 212 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-100 & 212-2

Summary of Data Gaps
NAS Alameda Parcels 100 & 212

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 99
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcels 100 and 212.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• The Todd Shipyard is located northeast of Parcel 100.
Potential Zone-Wide Release Areas	• Landscaped/Unpaved Areas. • Filled wetlands.
Potential Parcel-Specific Release Areas	• Buildings 2 and 580.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, and electrical lines identified.
Wetlands	• No wetlands identified as currently being located on-site.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

Parcels 100 and 212 contain one parcel-specific target area and are affected by two zone-wide target areas. However, no zone-wide target area samples are located on these parcels. Sampling for the two zone-wide target areas is described in the Zone Analysis Plan for Zone 16. This subsection of the PEP discusses specific parcel target area. The nature and location of the parcel-specific target area were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Buildings 2 and 580): Potential releases of TPH and VOCs from leaks or spills in or near these storage sheds is a concern in this area. This target area covers approximately 300 square feet and has been classified as having a potential likelihood of impacts. One subsurface GeoProbe soil sample will be collected from Target Area 1 as indicated in Table 6-100-1.

The following zone-wide target areas were identified on Parcel 100 based on possible impacts from activities described above involving potentially hazardous substances.

- Zone 16 Target Area 1 (Landscaped/Unpaved Areas): This parcel does not contain any samples from this zone.

- Zone 16 Target Area 2 (Filled Wetlands): This parcel does not contain any samples from this zone.

Screening-Level Investigation

Subsurface GeoProbe soil sampling (SOP 14) is the screening-level investigation technique that will be used to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-100-1 summarizes the screening-level sampling and analysis recommended for the parcel-specific target area on Parcel 100. One subsurface GeoProbe soil sample will be collected from the parcel-specific target area on this parcel. Sampling will be conducted in accordance with the referenced SOPs Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: surface soil sampling (SOP 3), soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-103

PARCEL 103 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 103 at NAS Alameda (Figure 6-103-1). The parcel, which is located in the central eastern portion of the base, is approximately 25 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One parcel-specific and one of the three zone-wide target investigation areas (target areas) have been identified on this parcel. Surface sampling will be used to accomplish the screening-level investigation. Table 6-103-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 103, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 103, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel were determined from site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine area on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 98, 99, 100, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184 and 212. This parcel zone has been designated the Housing Zone (Zone 16). The Housing Zone encompasses the parcels that are primarily residential and commercial (e.g., the Navy Lodge). During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the

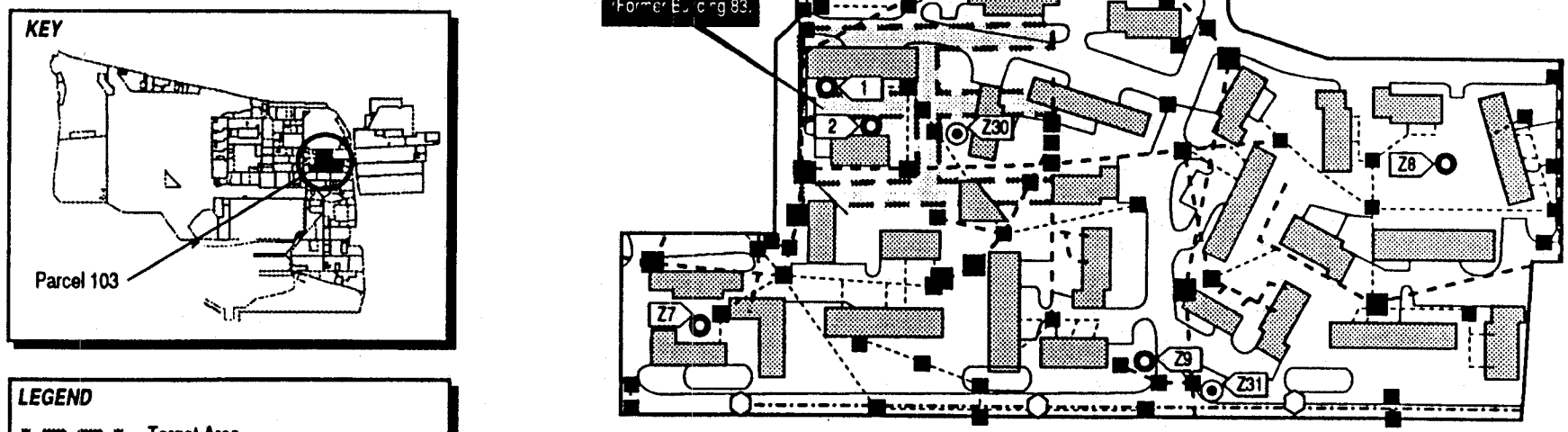


Figure 6-103-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6/94
2121.90.12/GCF/07.05.94

TABLE 6-103-1

Summary of Recommended Samples
NAS Alameda Parcel 103

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Target Analytes	Analytical Method
103-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
103-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	CLP RAS
Z16-6-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 1	Pesticides	CLP RAS
Z16-7-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 1	Pesticides	CLP RAS
Z16-8-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 1	Pesticides	CLP RAS
Z16-9-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 1	Pesticides	CLP RAS
Z16-30-0-S-V-DDMMYY	3'	SVS	Vapor	Zone 16 Target Area 2	VOCs	GC
Z16-31-0-S-V-DDMMYY	3'	SVS	Vapor	Zone 16 Target Area 2	VOCs	GC

data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 16.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, 34 houses cover approximately 50 percent of the parcel. The remaining 50 percent is open space. The parcel area is presently a residential area. Thirteen buildings and one structure were formerly located on the parcel and have since been demolished. The demolished buildings were used as barracks, an insect vector control office, a combat training pool and a baseball field. Sewer lines are present on this parcel and are shown on Figure 6-103-1.

Parcel 103 is located directly west of an Installation Restoration (IR) Program site (IR Site 7A, Navy Exchange Service Station). Previous investigations have been conducted at Parcel 103; however specific data regarding potential chemical occurrence are not available.

In addition to comparing the existing data to PRGs, it is recommended that the parcel-specific sampling data be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, background concentrations may represent a more appropriate screening level than the concentrations suggested by the PRGs.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 83 (Demolished)

Former Building 83 was constructed in 1945 and served both as a barracks and a public works storage area for insect vector control (Figure 6-103-1). This building was demolished in approximately 1960. Former Building 83 was a two story building, constructed of wood and covered approximately 26,000 square feet.

Pesticides are documented to have been stored in a portion of former Building 83 from 1945 to approximately 1960. Pesticide disposal methods for that period are unknown. There are no documented spills within former Building 83.

Open Space

The open space covers approximately 50 percent of the parcel. The open space is 50 percent paved and 50 percent unpaved. Approximately 50 percent of the paved area is surfaced with asphalt and 50 percent is covered with concrete. The pavement is generally in good condition. The unpaved areas of the open space are covered with grass and landscaping.

A baseball field, constructed in 1945, was formerly located within the open space. The field was removed in approximately 1960.

Buildings 79, 80, 81, 82, 125, 126, 127, 128, 150, 157, 159 were formerly located in this open space. These buildings housed barracks and related activities and were demolished in approximately 1960. These buildings were two story buildings constructed of wood and covered approximately 25,000 square feet each. Building 160 was formerly located in this open space. It housed a combat training swimming pool and was demolished in approximately 1960. Building 160 covered approximately 25,000 square feet. Utilities located within and immediately surrounding the open space include sanitary sewer, storm sewer, and industrial sewer lines.

EBS information indicates that activities conducted within this open space included normal residential activities. No chemicals are documented to have been stored in the open space. There are no other spills or incidents documented for this parcel.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 103 is bounded by Parcels 98, 104, 105, 203, 110, 111, 197, 113, 112, and 102. Parcel 113 is IR Site 7A (Navy Exchange Service Station). If

the continuing investigations at the IR site reveal a cause for concern at Parcel 103, then additional sampling on Parcel 103 may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 103, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-103-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3. No Industrial Hygiene (IH) sampling is required for Parcel 103 because no industrial buildings are present.

As noted earlier, Parcel 103 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., unpaved areas where vegetation was actively suppressed) and intensive-use areas (i.e., unpaved agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling in landscaped areas has been addressed as a zone-wide issue for the parcels located in Zone 16.

Once the data gaps in Table 6-103-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 103 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target area and is also contained within two of the three zone-wide target areas.

TABLE 6-103-2

Summary of Data Gaps
NAS Alameda Parcel 103

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 103.
Installation Restoration (IR) Sites	• IR Site 7A (Service Station) is located adjacent to the east boundary of Parcel 103. Additional subsurface investigation relative to IR Site 7A is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Potential groundwater contamination migration from IR Site 7A.
Potential Zone-Wide Release Areas	• Pesticides may have impacted the long-term landscaped areas of this parcel. • Release from the Pacific Coast Oil Refinery may have impacted the former wetlands area.
Potential Parcel-Specific Release Areas	• Pesticides may have impacted the long term intensive use areas (i.e., storage and distribution areas, etc.) at Bldg. 83 on Parcel 103
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-103-2

Summary of Data Gaps
NAS Alameda Parcel 103

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, steam, electrical, and water lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

This subsection of the PEP discusses the specific parcel target area and provides an overview of the zone-wide target areas. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 16. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Area of Former Building 83): Pesticides are documented to have been stored in a portion of former Building 83 from 1945 to approximately 1960. This target area covers approximately 26,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this Target Area are listed in Table 6-103-1.

- Zone 16 Target Area 1 (Landscaped Areas): Zone 16 Target Area 1 includes all landscaped and currently or formerly unpaved areas within the Housing Zone. Two of the 21 proposed zone-wide surface soil samples for pesticides are located within Parcel 103. The samples were located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area.

- Zone 16 Target Area 2 (Filled Wetlands): Zone 16 Target Area 2 includes all former wetlands within the Housing Zone. Two of the 14 proposed zone-wide soil vapor samples for VOCs is located in Parcel 103. The samples were located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area. Samples that are located on Parcel 103 are listed on Table 6-103-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) and soil vapor sampling (SOP 6) are the screening-level investigation techniques that will be used to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-103-1 summarizes screening-level sampling and analysis for the parcel's target areas. Two parcel-specific surface soil samples, four zone-wide surface soil samples, and four zone-wide soil vapor samples will be collected from the locations shown on Figure 6-103-1. Sampling will be conducted in accordance with the referenced SOP in Appendix A, the screening-level sampling protocols in Section 3, and

the QA/QC guidelines in Section 4. Surface soil sampling locations shown on Figure 6-103-1 are approximate.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: subsurface Geoprobe soil sampling (SOP 14), chip sampling (SOP 18), and HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-170

PARCEL 170 EVALUATION PLAN

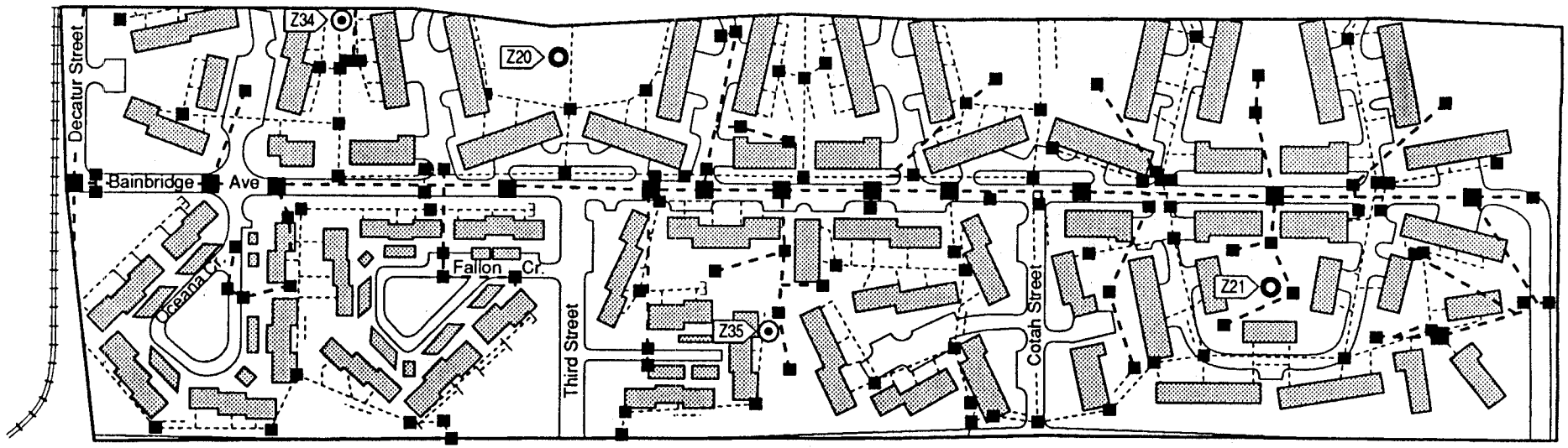
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 170 at NAS Alameda (Figure 6-170-1). The parcel, which is located in the northeast portion of the base, is approximately 34 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located on this parcel. No parcel-specific target investigation areas (target areas) have been identified on this parcel; however, two of the three zone-wide target areas affect this parcel. Surface soil and soil vapor sampling will be used to accomplish the screening-level investigation for the zone-wide target areas. Table 6-170-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 170, historical activities are summarized below.

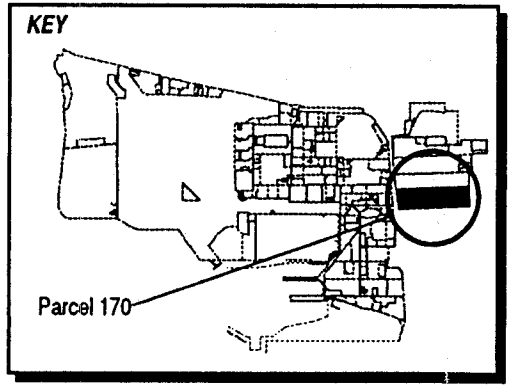
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 170, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 98, 99, 100, 103, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184 and 212. This parcel zone has been designated the Housing Zone (Zone 16). The Housing Zone encompasses the parcels that are primarily residential and commercial (e.g., the Navy Lodge). During the sampling program





LEGEND

- Storm Sewer Line
- Sewer Line
- Capped
- Soil Vapor Survey Location
- Surface Soil Sample Location
- Sanitary Sewer Manhole
- Catch Basin

1"= 250'

Figure 6-170-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.11/DS/07.07.94

TABLE 6-170-1

Summary of Recommended Samples
NAS Alameda Parcel 170

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Target Analytes	Analytical Method
Z16-20-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 1	Pesticides	CLP RAS
Z16-21-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 1	Pesticides	CLP RAS
Z16-34-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 16 Target Area 2	VOCs	GC
Z16-35-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 16 Target Area 2	VOCs	GC

development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. While no sampling has been proposed at this parcel, sampling results from adjacent parcels within the zone should be considered during future evaluations. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 16.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, wetlands occupied the parcel area. This parcel is adjacent to Old Alameda Point, which was part of the original island. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, approximately 65 family housing units are located on the parcel (Figure 6-170-1). No industrial buildings are located on this parcel. These dwellings cover approximately 25 percent of the parcel. The remainder (75 percent) is open space. Based upon aerial photographs, temporary barracks were present on Parcel 170 prior to the early 1940s. These barracks were demolished and replaced with multifamily residences between the mid and late 1960s. Utilities located within and immediately surrounding the family housing and open space include underground natural gas, sanitary sewer, storm sewer, potable and fire protection water, and electrical lines.

Parcel 170 is not located within 500 feet any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 170, and specific data regarding potential chemical occurrence at this parcel are not available.

It is recommended that the zone-wide sampling data be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, the background concentration may represent a more appropriate screening level than the concentration suggested by the PRGs.

Sewer lines present at this parcel are shown in Figure 6-170-1. Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Family Housing

Construction of the current family housing units on the parcel was completed by the fall of 1970. Based upon aerial photographs, the former barracks were constructed prior to late April 1942. The barracks on the eastern portion of the parcel were demolished prior to late July 1963. New family housing was constructed on the eastern side of the parcel by April 1966 and on the western side of the parcel by September 1970.

Open Space

Currently, the open space areas between family dwellings on Parcel 170, cover approximately 75 percent of the parcel. Open space areas are primarily covered by grass and weeds (70 percent), and secondarily covered by asphalt (20 percent) and concrete (10 percent) roadways. These open space areas are shown on Figure 6-170-1. The landscaped areas on this parcel have been landscaped since the early 1940s.

EBS information indicates that the activity conducted within this open space has consisted solely of residential housing. Minor stains in the open space and oil stains on roads and driveways are considered to be the result of normal vehicle traffic and parking. Transformers that may contain PCBs are also present. Railroad tracks associated with the Alameda Railroad are located on the western side of the parcel.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 170 is bounded by Parcel 171 to the north. Activities of concern on this adjacent parcel are similar to those on Parcel 170. The Alameda Railroad runs along Main Street on the western border of this parcel. The railroad also runs on the southern side of Atlantic Avenue, which borders the southern boundary of Parcel 170. This segment of tracks most likely has not impacted Parcel 170. Private property is located to the east of Parcel 170.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 170. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another category. The data gaps shown in Table 6-170-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently ongoing to address the following data gaps: asbestos, transformers, radiological concerns, and lead-based paint. Sampling and imaging associated with underground sewer lines is also addressed separately. Sampling associated with sewers is discussed in corresponding protocols presented in Section 3. No industrial hygiene (IH) sampling is required for Parcel 170 because no industrial buildings are present.

As noted earlier, Parcel 170 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate use areas (i.e. unpaved areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. No parcel-specific pesticide sampling has been proposed for Parcel 170; however, the ZAP for Zone 16 addresses potential pesticide concerns in landscaped areas on a zone-wide basis.

Once the data gaps in Table 6-170-2 are addressed and screening-level sampling results from the zone-wide target area described in the Zone Analysis Plan are compared to PRGs and background concentrations, Parcel 170 may be reclassified from BRAC category 7 to another BRAC category.

Target Areas and Compounds of Concern

Two of the three zone-wide target areas affect this parcel. No parcel-specific target areas were identified for this parcel. This subsection of the PEP provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 16. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field

TABLE 6-170-2

Summary of Data Gaps
NAS Alameda Parcel 170

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 170.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 170.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Landscaped Areas. • Filled Wetlands.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current of former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, natural gas, and water lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Zone 16 Target Area 1 (Landscaped Areas): Zone 16 Target Area 1 includes all landscaped and currently or formerly unpaved areas within the Housing Zone. The landscaped areas located throughout Parcel 170 are part of this zone-wide target area. Two of the 21 proposed zone-wide surface soil samples for pesticides are located in Parcel 170. The samples were located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area. Samples that are located on Parcel 170 are listed on Table 6-170-1.

- Zone 16 Target Area 2 (Filled Wetlands): Zone 16 Target Area 2 includes all former wetlands within the Housing Zone. Two of the 14 proposed zone-wide soil vapor samples for VOCs are located in Parcel 170. The samples were located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area. Samples that are located on Parcel 170 are listed on Table 6-170-1.

In addition, data gaps pertaining to asbestos, lead-based paint, transformers, underground lines, and radiological concerns must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in the zone-wide target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and soil vapor sampling (SOP 6). Table 6-170-1 summarizes the screening-level sampling and analysis recommended for the zone-wide target areas that impact Parcel 170. Two surface soil samples and two soil vapor samples will be collected from the locations shown on Figure 6-170-1. Sampling will be conducted in accordance with the referenced SOPs Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: subsurface Geoprobe soil sampling (SOP 14), chip sampling (SOP 18), wipe sampling (SOP 20), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6 -171

PARCEL 171 EVALUATION PLAN

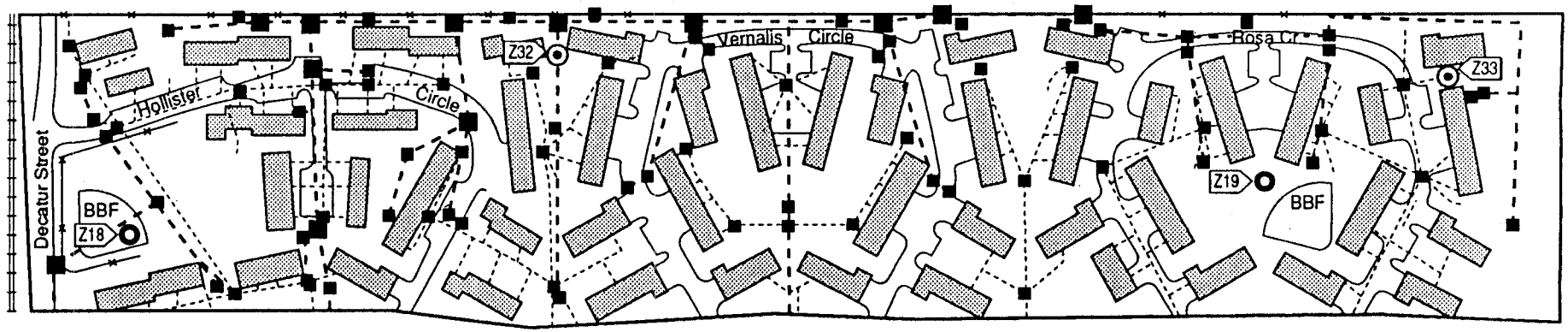
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 171 at NAS Alameda (Figure 6-171-1). The parcel, which is located in the northeast portion of the base, is approximately 24 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located on this parcel. No parcel-specific target investigation areas (target areas) have been identified on this parcel, however two of the three zone-wide target areas have been identified that affect this parcel. Surface soil sampling and soil vapor sampling will be used to accomplish the screening-level investigation for the zone-wide target areas. Table 6-171-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 171, historical activities are summarized below.

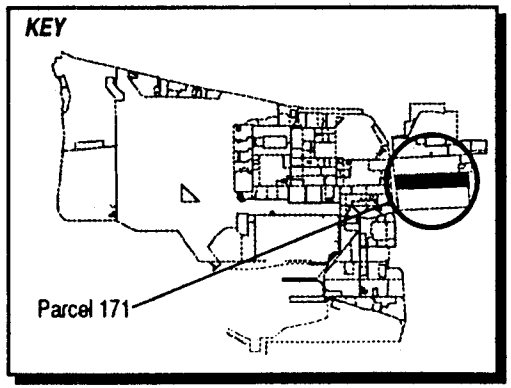
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 171, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 98, 99, 100, 103, 170, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184 and 212. This parcel zone has been designated the Housing Zone (Zone 16). The Housing Zone encompasses the parcels that are primarily residential and commercial (e.g., the Navy Lodge). During the sampling program development, the parcels located in this zone were evaluated together.





LEGEND

- Storm Sewer Line
- Sewer Line
- Capped
- Soil Vapor Survey Location
- Surface Soil Sample Location
- Sanitary Sewer Manhole
- Catch Basin

1"= 250'

Figure 6- 171-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90 [illegible]OS/07.07.94

TABLE 6-171-1

Summary of Recommended Samples
NAS Alameda Parcel 171

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Target Analytes	Analytical Method
Z16-18-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 1	Pesticides	CLP RAS
Z16-19-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 1	Pesticides	CLP RAS
Z16-32-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 16 Target Area 2	VOCs	GC
Z16-33-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 16 Target Area 2	VOCs	GC

Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. While no sampling has been proposed at this parcel, sampling results from adjacent parcels within the zone should be considered during future evaluations. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 16.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was wetlands. This parcel is adjacent to Old Alameda Point. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, approximately 50 family units are located on the parcel (Figure 6-171-1). These dwellings cover approximately 20 percent of the parcel. The remainder (80 percent) is open space. Based upon aerial photographs, temporary barracks were present on Parcel 171 prior to the early 1940s. These barracks were demolished and replaced with multifamily residences between the early and mid-1960s. No industrial buildings are located on this parcel. Utilities located within and immediately surrounding the family housing and open space include underground natural gas, sanitary sewer, storm sewer, potable and fire protection water, and electrical lines. Sewer lines present at this parcel are shown in Figure 6-171-1.

Parcel 171 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 171 and specific data regarding potential chemical occurrence at this parcel are not available.

Current investigations are being performed at the Fleet and Industrial Supply Center Oakland; Alameda Facility and Alameda Annex. This investigation affects parcels in the Housing Zone. The parcels located within 500 feet of the study area include Parcels 171, 172, 173, 174, 175, 176, 177, 178 and 184, 179 and 180, 181, and 182. These parcels were investigated during the 1990s by PRC Environmental Management, Inc. and VERSAR, Inc. A May 1991 report and an October 1993 addendum were prepared by PRC Environmental Management, Inc. and VERSAR, Inc., under contract N62474-88-D-5086, entitled *Remedial Investigation/Feasibility Study Phase II Field Sampling Plan*, summarizes the results of current Phase IIA and IIB investigative plans. A Phase IIC workplan has also been prepared and is currently being implemented. The final RI/FS document is scheduled for delivery to the Navy on March 27, 1995. When all three phases of these current investigations are implemented, approximately 83 soil borings and 40 monitoring wells will be installed throughout the study area.

Previous and current investigations that affect parcels within the Housing Zone are also summarized in the Zone Analysis Plan for Zone 16. It is recommended that the zone-wide sampling data be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, the background concentration may represent a more appropriate screening level than the concentration suggested by the PRGs.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Family Housing

Based upon aerial photographs, the former barracks were constructed prior to late April 1942. The structures on the eastern portion of the parcel were demolished prior to July 1963. By April 1966, all of the new family housing had been constructed on the parcel.

Open Space

Currently, approximately 80 percent of Parcel 171 consists of open space between family dwellings. This open space area is primarily covered by grass and weeds (70 percent), and secondarily covered by asphalt (20 percent) and concrete (10 percent) roadways. This parcel presently has open space areas that have been landscaped since the early 1940s. These open space areas are shown on Figure 6-171-1.

Transformers that may contain PCBs are also present. Railroad tracks associated with the Alameda Railroad are located on the western edge of the parcel. EBS information does not indicate any evidence of spills in the open spaces.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 171 is bounded by Parcel 170 to the south, and Parcels 172 and 174 to the north. Activities on Parcel 170 are similar to Parcel 171. Activities of concern on the other adjacent parcels include hazardous material storage on Parcel 172, and storage and/or use of petroleum products, spray paint, paint thinner, corrosives, halogenated organic compounds, metals, petroleum products, and pesticides within buildings on Parcel 174. The Alameda Railroad runs along Main Street on the western border of Parcel 171. Private property is located to the east of Parcel 171.

Monitoring wells were installed on Parcel 172 (MW-10) and Parcel 174 (MW-12) as indicated in a 1988 report prepared by ERM-West, Inc., under contract N62474-85-D-5627, entitled *Contaminated Site Investigation at the Warehouse and Scrapyard Area.* The Warehouse and Scrapyard Area (Scrapyard) is an IR site located on Parcel 176, and the site investigation has been extended beyond the Scrapyard boundaries. Prior to monitoring well installation, earlier investigations on these parcels included soil sampling. The monitoring well on Parcel 172 (MW-12) is approximately 50 feet north of the boundary between Parcels 171 and 172. Results of soil and groundwater data are summarized in Tables 6-172-2 and 6-172-3 in the PEP for Parcel 172. Concentrations of cadmium, chromium, lead, and nickel in groundwater exceeded 1993 MCLs. The concentration of arsenic in soil exceeded August 1994 industrial and residential PRGs. The previous and proposed screening-level investigations are discussed in the PEPs for Parcels 172 and 174. The data from these investigations will provide the necessary boundary conditions for Parcel 171. Ongoing follow-up sampling and radiological sampling at the Scrapyard IR site are being performed by the IR contractor.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 171, consistent with the objectives in Section 1 of the Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another category. The data gaps shown in Table 6-171-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently ongoing to address the following data gaps: asbestos, radiological concerns, transformers and lead-based paint. Sampling and imaging associated with underground

TABLE 6-171-2

Summary of Data Gaps
NAS Alameda Parcel 171

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 171.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 171.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Monitoring wells on Parcel 174 (Hazardous Materials Storage Warehouse) indicate the presence of benzene and napthalene in the groundwater.
Potential Zone-Wide Release Areas	• Landscaped Areas. • Filled Wetlands.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current of former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, natural gas, and water lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

sewer lines is also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3. No Industrial Hygiene (IH) sampling is required for Parcel 171 because no industrial buildings are present.

As noted earlier, Parcel 171 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate use areas (i.e. unpaved areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no parcel-specific pesticide sampling has been proposed for Parcel 171. Pesticide sampling for landscaped areas has been addressed as a zone-wide issue for the parcels located in Zone 16.

Once the data gaps in Table 6-171-2 are addressed and screening-level sampling results from the zone-wide target area described in the Zone Analysis Plan is compared to PRGs and background concentrations, Parcel 171 may be reclassified from BRAC category 7 to another BRAC category.

Target Areas and Compounds of Concern

Two of the three zone-wide target areas affect this parcel. No parcel-specific target areas were identified for this parcel. This subsection of the PEP provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 16. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Zone 16 Target Area 1 (Landscaped Areas): Zone 16 Target Area 1 includes all landscaped and currently or formerly unpaved areas within the Housing Zone. The landscaped areas located throughout Parcel 171 are part of this zone-wide target area. Two of the 21 proposed zone-wide surface soil samples for pesticides are located in Parcel 171. The samples were located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area. Samples that are located on Parcel 171 are listed on Table 6-171-1.

- Zone 16 Target Area 2 (Filled Wetlands): Zone 16 Target Area 2 includes all former wetlands within the Housing Zone. Two of the 14 proposed zone-wide soil vapor samples for VOCs are located in Parcel 171. The samples were located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area. Samples that are located on Parcel 171 are listed on Table 6-171-1.

In addition, data gaps pertaining to asbestos, PCBs, lead-based paint, underground lines, potential groundwater contamination migration, and radiological concerns must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Screening-Level Investigation

Surface soil sampling (SOP 3) and soil vapor sampling (SOP 6) are the screening-level techniques that will be employed to assess conditions in the zone-wide target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

Table 6-171-1 summarizes the screening-level sampling and analysis recommended for the zone-wide target areas that impact Parcel 171. Two surface soil samples and two soil vapor samples will be collected from the locations shown on Figure 6-171-1. Sampling will be conducted in accordance with the referenced SOPs Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: subsurface Geoprobe soil sampling (SOP 14), chip sampling (SOP 18), wipe sampling (SOP 20), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-172

PARCEL 172 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 172 at NAS Alameda (Figure 6-172-1). The parcel, which is located in the northeastern portion of the base, is approximately 2.5 acres in size and is roughly J-shaped. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One zone-wide and one parcel-specific target investigation areas (target areas) have been identified on this parcel; however, no zone-wide samples are located on this parcel. Soil vapor sampling will be used to accomplish the screening-level investigation. Table 6-172-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 172, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 172, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 98, 99, 100, 103, 170, 171, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184 and 212. This parcel zone has been designated the Housing Zone (Zone 16). The Housing Zone encompasses the parcels that are primarily residential and commercial (e.g., the Navy Lodge). During the sampling program development, the parcels located in this zone were

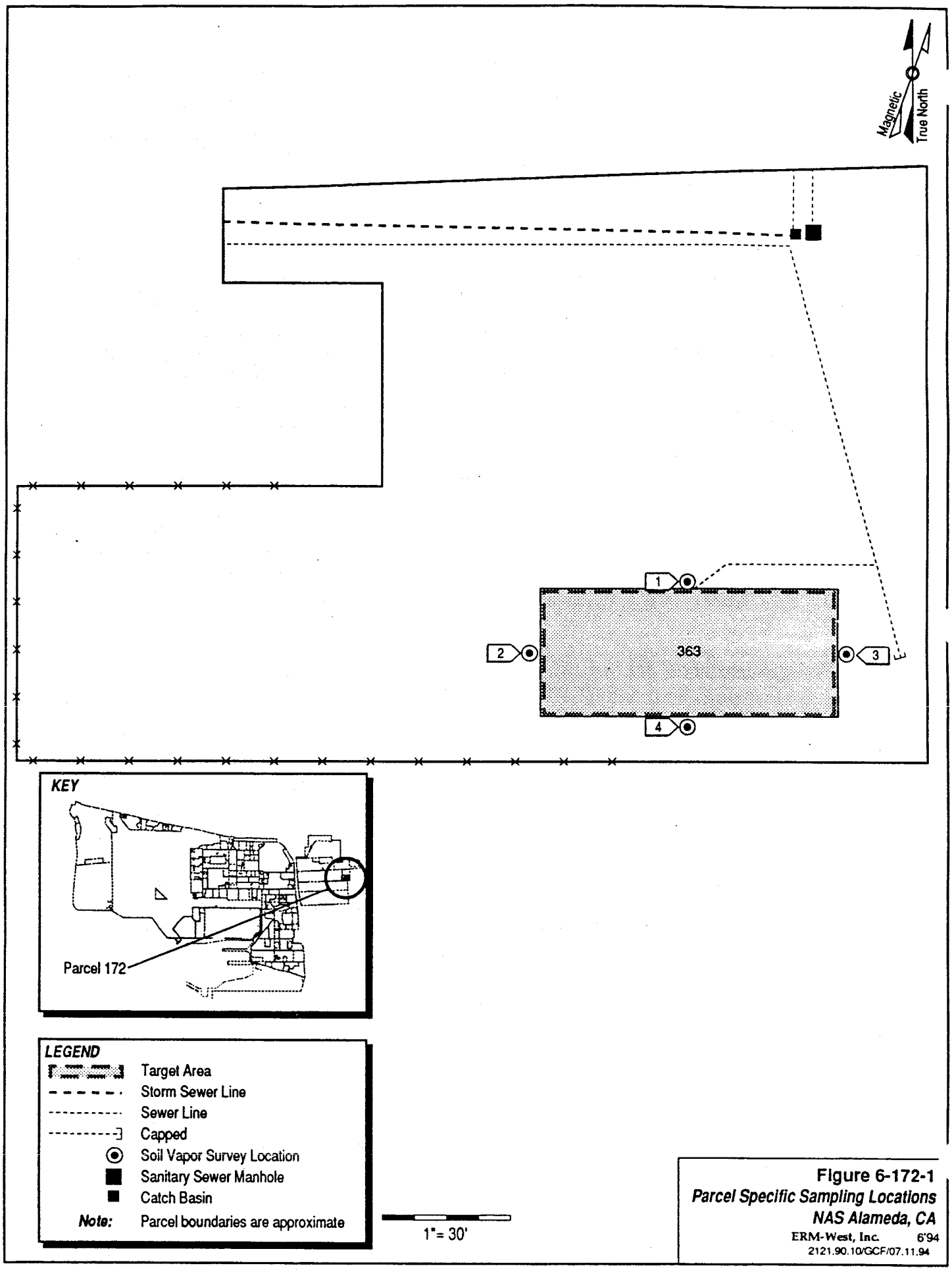


Figure 6-172-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.10/GCF/07.11.94

TABLE 6-172-1

Summary of Recommended Samples
NAS Alameda Parcel 172

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Target Analytes	Analytical Method
172-1-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	GC
172-2-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	GC
172-3-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	GC
172-4-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	GC

evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 16.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, wetlands occupied the parcel area. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one concrete foundation (formerly Building 363) covers approximately 10 percent of the parcel area (Figure 6-172-1). The remaining 90 percent is open space. The parcel area is presently used for storing Conex boxes. Building 363, formerly located on the parcel, was demolished in 1990. Sewer lines are present on this parcel and are shown on Figure 6-172-1.

Parcel 172 is located within 500 feet of the Scrapyard Installation Restoration (IR) Program site (Parcel 176). Previous investigations, including monitoring well (MW-10) installation and soil sampling, have occurred on Parcel 172, southeast of Building 363. Data and results are available in a report prepared by ERM-West, Inc. (contract N62474-85-D-5627) entitled *Contaminated Site Investigation at the Warehouse and Scrap Yard Area.* This report discusses the impacts from this IR site on Parcels 172, 174, 175, 176, and 177. Additional data and results for Parcels 176 and 177 are included in a report prepared by PRC Environmental Management, Inc. (contract N62474-88-D-5086) entitled *Naval Supply Center, Oakland Alameda Annex and Facility Screening Lot and Scrapyard Area Alameda, California Sampling Results Technical Memorandum.*

Data from soil and groundwater samples taken at MW-10 between March 1987 and January 1988 are summarized in Tables 6-172-2 and 6-172-3. Data indicate that activities on adjacent parcels have impacted Parcel 172. Concentrations of cadmium, chromium, lead, and nickel in groundwater exceeded 1993 MCLs. The concentration of arsenic in soil exceeded August 1994 industrial and residential PRGs. Current monitoring well data from the Scrapyard IR site (Parcel 176) are not yet available to fully characterize the impacts to Parcel 172.

Current investigations are being performed at the Fleet and Industrial Supply Center Oakland; Alameda Facility and Alameda Annex. This investigation affects parcels in the Housing Zone. The parcels located within 500 feet of the study area include Parcels 171, 172, 173, 174, 175, 176, 177, 178 and 184, 179 and 180, 181, and 182. These parcels were investigated during the 1990s by PRC Environmental Management, Inc. and VERSAR, Inc. A May 1991 report and an October 1993

TABLE 6-172-2

Soil Sample Results in mg/kg from Boring 10
NAS Alameda Parcel 172

	Arsenic	Cadmium	Chromium	Lead	Nickel
March 1987	13	1	60	48	92
Detection Limit	0.05	0.05	0.05	0.2	0.5

Source: ERM-West, Inc., 1988

TABLE 6-172-3

Groundwater Sample Results in mg/L from Boring 10
NAS Alameda Parcel 172

	Arsenic	Cadmium	Chromium	Lead	Nickel	Benzene	Naphthalene
Aug-87	0.038	0.08	0.07	0.82	0.35	ND	66
Jan-88	0.008	ND	ND	ND	ND	ND	ND
Detection Limit	0.005	0.001	0.005	0.005	0.05	0.0005	40
May 1993 MCL	0.05	0.005	0.1	0.015	0.1	0.005	N/A

Source: ERM-West, Inc., 1988

addendum were prepared by PRC Environmental Management, Inc. and VERSAR, Inc., under contract N62474-88-D-5086, entitled *Remedial Investigation/Feasibility Study Phase II Field Sampling Plan*, summarizes the results of current Phase IIA and IIB investigative plans. A Phase IIC workplan has also been prepared and is currently being implemented. The final RI/FS document is scheduled for delivery to the Navy on March 27, 1995. When all three phases of these current investigations are implemented, approximately 83 soil borings and 40 monitoring wells will be installed throughout the study area.

Previous and current investigations that affect parcels within the Housing Zone are also summarized in the Zone Analysis Plan for Zone 16. In addition to comparing the existing data to PRGs, it is recommended that the parcel-specific sampling data be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, background concentrations may represent a more appropriate screening level than the concentrations suggested by the PRGs.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental concern within parcel open space and buildings are described in detail below.

Concrete Foundation (Formerly Building 363)

Building 363 was constructed in 1944 and appears to have served as a warehouse or storage facility since that time. This building was demolished by May 1990. Building 363 covered approximately 9,200 square feet.

Information collected during the EBS indicates that recent activities conducted at this parcel have included storage of Conex boxes on and adjacent to the concrete foundation. No chemicals are documented to have been stored in Building 363 while it was in service. Based upon visual inspection, over 300 Conex boxes were present throughout the parcel. Approximately 10 Conex boxes had hazardous material labels for flammable liquid and gas, non-flammable gas, or poison. These 10 Conex boxes were stored on or adjacent to the concrete foundation.

Methods of disposing of chemicals currently stored on the concrete foundation are unknown.

Scattered staining, including paint overspray staining, was noticed on the concrete foundation during the visual inspection. Floor drains were also observed during the visual inspection.

Open Space

The open space occupies approximately 90 percent of the parcel. In general, the open space has been used for storage of Conex boxes.

There are no structures located within the open space other than the concrete foundation of former Building 363. Approximately 10 percent of the parcel is paved with asphalt, 10 percent is paved with concrete, and the remaining 80 percent of the open space is covered with gravel, often located over crumbly asphalt. The poor condition of the pavement and the presence of gravel made it difficult to identify the presence of stains.

EBS information indicates that activities conducted within this open space (other than those activities which occurred adjacent to the concrete foundation) included storage of non-hazardous materials in Conex boxes only. No chemicals are documented to have been stored in the open space.

One transformer was noted on the southeastern edge of the parcel; however, the location appears to be outside the property line. A groundwater monitoring well (MW-10) was installed southeast of Building 363 as part of a previous investigation at and around Parcel 176 (the Scrapyard IR site).

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 172 is bordered by Parcel 171 to the south, Parcels 173 and 174 to the west, and Parcel 175 to the north. Activities of concern include hazardous material storage of Conex boxes on Parcel 173, potential chemical storage of Conex boxes on Parcel 175, and petroleum products,

spray paint, paint thinner, corrosives, halogenated organics, metals, and pesticides within buildings on Parcel 174. Additionally, a diesel tank with observed stains is located on Parcel 174 at the border of Parcel 172.

Monitoring wells were installed on Parcels 174 and 175; both parcels border Parcel 176, which is part of the Scrapyard IR Site. Previous investigations on these parcels include groundwater and soil sampling data. The data obtained from previous and proposed screening-level investigations should provide sufficient characterization of boundary conditions for Parcel 172.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 172, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-172-4 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

No industrial hygiene (IH) sampling is required for Parcel 172 because no industrial buildings are present.

As noted earlier, Parcel 172 was previously occupied by wetlands. These parcels may have been impacted by historical (prior to filling) releases or disposal of organic compounds from a nearby oil refinery and two gas manufacturing plants. Subsurface soil samples collected on Parcel 181 as part of the investigation of the Naval Supply Center contained elevated levels of benzene and naphthalene. The soil samples contained a tar-like material. The affected horizon was between 16 and 20 feet below the ground surface (bgs). No parcel-specific VOC sampling has been proposed for Parcel 172; however, VOC sampling has been addressed as a zone-wide issue for the parcels located in Zone 16.

TABLE 6-172-4

Summary of Data Gaps
NAS Alameda Parcel 172

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 172.
Installation Restoration (IR) Sites	• The Scrapyard IR Site is located approximately 500 feet south of Parcel 172. Additional subsurface investigation relative to the Scrapyard is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Filled wetlands.
Potential Parcel-Specific Release Areas	• Hazardous materials storage may have impacted the area bounded by the foundation of former Building 363.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-172-4

Summary of Data Gaps
NAS Alameda Parcel 172

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Once the data gaps in Table 6-172-4 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 172 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

This subsection of the PEP discusses the specific parcel target area and provides an overview of the zone-wide target area. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 16. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Former Building 363): This target area is defined as the concrete foundation of former Building 363. The target area is approximately 9,200 square feet in size. Hazardous materials (including flammable and non-flammable liquids) stored in Conex boxes are the primary compounds of concern. Although Conex boxes were observed throughout the site during the visual inspection, hazardous materials were stored only on or adjacent to the concrete foundation. Therefore, only the concrete foundation and its boundaries are considered to be the target area. The likelihood of environmental impact having occurred within this target area is classified as potential. Samples to be collected in this target area are listed on Table 6-172-1.

The following zone-wide target area was identified on Parcel 172 based on possible impacts from activities described above involving potentially hazardous substances.

- Zone Target Area 2 (Filled Wetlands): This parcel does not contain any samples from this zone.

Screening-Level Investigation

Soil vapor sampling is the screening-level technique that will be employed used to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-172-1 summarizes screening-level sampling and analysis called for within the parcel's target area. Four soil vapor samples will be collected from the locations

shown on Figure 6-172-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

The soil vapor samples will be located on the outer edge of the foundation. Effort should be made to ensure that samples are taken at locations of staining, and, when applicable, at cracks in the concrete foundation or asphalt underneath the gravel. Adjustments to the proposed sampling locations can be made if warranted by field conditions.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern that have been identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technology not previously discussed: surface soil sampling (SOP 3), subsurface GeoProbe soil sampling (SOP 14), chip sampling (SOP 18), and HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10) and follow-up groundwater sampling from the existing monitoring well (MW-10) located southeast of Building 363.

Follow-up sampling may be performed on Parcel 172 to characterize the impacted areas as part of ongoing investigations at adjacent parcels. Sampling will be conducted in accordance with the referenced SOP in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-173

PARCEL 173 EVALUATION PLAN

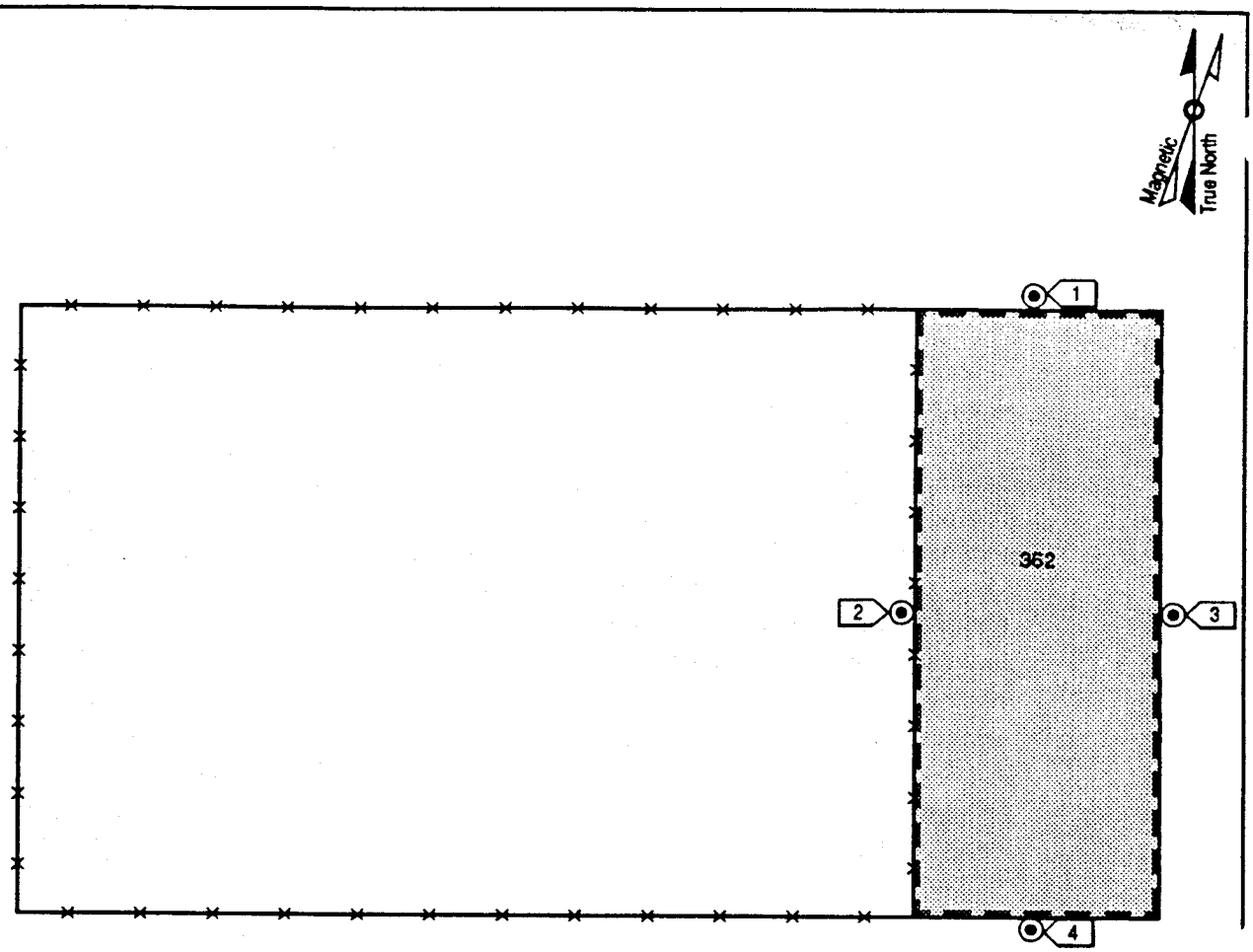
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 173 at NAS Alameda (Figure 6-173-1). The parcel, which is located in the northeast portion of the base, is approximately 0.5 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1. This parcel does not contain any RCRA sites. One parcel-specific and one zone-wide target investigation area (target area) have been identified on this parcel. No zone-wide target area samples are located on this parcel. The sampling procedure called for in the screening-level investigation in this area is soil vapor sampling only. Table 6-173-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 173, historical activities are discussed below.

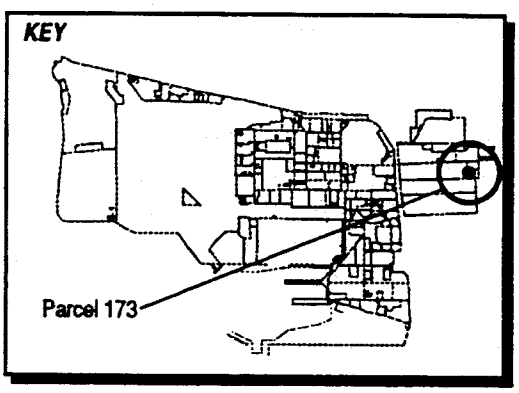
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 173, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies an Installation Restoration Program site and other areas of concern.

Past and present use of this parcel were determined from site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 98, 99, 100, 103, 170, 171, 172, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184 and 212. This parcel zone has been designated the Housing Zone (Zone 16). The Housing Zone encompasses the parcels that are primarily residential and commercial (e.g., the Navy Lodge). During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel





LEGEND

- Target Area
- Soil Vapor Survey Location
- *Note:* Parcel boundaries are approximate

1"= 30'

Figure 6-173-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.10/GCF/07.11.94

TABLE 6-173-1

Summary of Recommended Samples
NAS Alameda Parcel 173

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Target Analytes	Analytical Method
173-1-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	GC
173-2-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	GC
173-3-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	GC
173-4-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 1	VOCs	GC

should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 16.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, wetlands occupied the parcel area. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, there is one concrete foundation (formerly Building 362) located on the parcel (Figure 6-173-1). This foundation covers approximately 25 percent of the parcel area. The remaining 75 percent is open space. In general, the parcel area is presently in use as a storage area. Building 362, formerly located on the parcel, was demolished in 1990.

Parcel 173 is located approximately 300 feet south of an Installation Restoration (IR) Program site (The Scrapyard). No previous investigations have been conducted at Parcel 173 and specific data regarding potential chemical occurrence are not available. Investigations have been performed on adjacent Parcel 175. Parcel 175 is located north of Parcel 173. Data and results are available in a report prepared by ERM-West, Inc. (contract N62474-85-D-5627) entitled *Contaminated Site Investigation at the Warehouse and Scrap Yard Area.* This report discusses the impact from this IR site on Parcels 172, 174, 175, 176, and 177. Additional data and results on Parcels 176 and 177 are included in a report prepared by PRC Environmental Management, Inc. (contract N62474-88-D-5086) entitled *Naval Supply Center, Oakland Alameda Annex and Facility Screening Lot and Scrapyard Area Alameda, California Sampling Results Technical Memorandum* and are discussed in the PEPs for Parcels 176 and 177.

Current investigations are being performed at the Fleet and Industrial Supply Center Oakland; Alameda Facility and Alameda Annex. This investigation affects parcels in the Housing Zone. The parcels located within 500 feet of the study area include Parcels 171, 172, 173, 174, 175, 176, 177, 178 and 184, 179 and 180, 181, and 182. These parcels were investigated during the 1990s by PRC Environmental Management, Inc. and VERSAR, Inc. A May 1991 report and an October 1993 addendum were prepared by PRC Environmental Management, Inc. and VERSAR, Inc., under contract N62474-88-D-5086, entitled *Remedial Investigation/Feasibility Study Phase II Field Sampling Plan,* summarizes the results of current Phase IIA and IIB investigative plans. A Phase IIC workplan has also been prepared and is currently being implemented. The final RI/FS document is scheduled for delivery to the Navy on March 27, 1995. When all three phases of

these current investigations are implemented, approximately 83 soil borings and 40 monitoring wells will be installed throughout the study area.

Previous and current investigations that affect parcels within the Housing Zone are also summarized in the Zone Analysis Plan for Zone 16. It is recommended that the sampling data be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, background concentrations may represent a more appropriate screening level than the concentrations suggested by the PRGs.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental concern within parcel open space and buildings are described in detail below.

Concrete Foundation (Formerly Building 362)

Based upon aerial photographs, Building 362 was constructed in the mid 1950s and appears to have served as a warehouse or storage facility since that time. This building was demolished by May 1990. Building 362 covered approximately 5,200 square feet.

Information collected during the EBS indicates that recent activities conducted at this parcel have included the storage of Conex boxes. No chemicals are documented to have been stored in the former Building 362. Based upon visual inspection, over 200 Conex boxes were present throughout the parcel. Of those 200 Conex boxes, approximately 20 had hazardous material labels for flammable liquid and gas, non-flammable gas, or poison. These 20 Conex boxes were stored on or around the concrete foundation. Methods of disposing used chemicals within the former Building 362 and currently stored on the concrete foundation are unknown.

Scattered staining on the concrete foundation was noticed during the visual inspection. Floor drains were also observed during visual inspection.

Open Space

The open space occupies approximately 75 percent of the parcel. In general, the open space has been used for the storage of Conex boxes.

There are no structures located within the open space other than the concrete foundation of former Building 362. Ten percent of the parcel is paved with concrete, and the remaining 90 percent of the open space is covered with gravel, often located above crumbly asphalt. The poor condition of the pavement and the presence of gravel made it difficult to identify stains during the site inspection.

EBS information indicates that activities conducted within this open space (other than adjacent to the concrete foundation) included storage of non-hazardous materials in Conex boxes only. No chemicals are documented to have been stored in the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 173 is bordered by Parcel 172 to the south and west, Parcel 174 to the west, and Parcel 175 to the north. Activities of concern include hazardous material (flammable liquid and gas) storage of Conex boxes on Parcel 172, potential chemical storage of Conex boxes on Parcel 175, and the presence of petroleum products, spray paint, paint thinner, corrosives, halogenated organic compounds, metals, petroleum products, and pesticides within buildings on Parcel 174.

Monitoring wells were installed on Parcels 172, 174, and 175 as part of a previous investigation at the Scrapyard IR site (Parcel 176). Previous investigations on these parcels include groundwater and soil sampling data. The data obtained from previous and proposed screening level investigations should provide sufficient characterization of boundary conditions for Parcel 173.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 173, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-173-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewers is discussed in corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 173 because no industrial buildings are present.

Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 173.

Once the data gaps in Table 6-173-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 173 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP discusses the parcel-specific target area and provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 16. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

TABLE 6-173-2

Summary of Data Gaps
NAS Alameda Parcel 173

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 173.
Installation Restoration (IR) Sites	• The Scrapyard IR Site is located within 300 feet north of Parcel 173. Additional subsurface investigation relative to the Scrapyard IR Site is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Former Wetlands.
Potential Parcel-Specific Release Areas	• Hazardous materials storage may have impacted the area bounded by concrete foundation of former Building 362.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-173-2

Summary of Data Gaps
NAS Alameda Parcel 173

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

- Target Area 1 (Concrete Foundation of Former Building 362): This target area is approximately 5,200 square feet in size. Hazardous materials (including flammable and non-flammable liquids) stored in Conex boxes are the primary compounds of concern. Although Conex boxes were observed throughout the site during the visual inspection, hazardous materials were stored only on or adjacent to the concrete foundation. Therefore, only the concrete foundation and its boundaries are considered to be the target area. The likelihood of environmental impact having occurred within this target area is classified as potential. Samples to be collected in this target area are listed on Table 6-173-1.

One of the three zone-wide target areas has been identified at this parcel.

- Zone 16 Target Area 2 (Filled Wetlands): No zone-wide target area samples are located on this parcel.

Screening-Level Investigation

Soil vapor sampling (SOP 6) is the screening-level technique that will be used to assess conditions in the parcel-specific target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-173-1 summarizes screening-level sampling and analysis called for within the parcel's target area. Four soil vapor samples will be collected from the locations shown on Figure 6-173-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4. Based upon the large size of the target area and the low potential for compound release, five subsurface soil samples were selected as a minimum. Adjustments to the proposed locations can be made if warranted by field conditions.

The four soil vapor samples will be located on the outer edge of the foundation. Effort should be made to ensure that samples are taken at locations of staining, and, when applicable, at cracks in the concrete foundation or asphalt underneath the gravel. Adjustments to the proposed sampling locations can be made if warranted by field conditions.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: surface soil sampling (SOP 3), subsurface Geoprobe soil sampling (SOP 14), chip sampling (SOP 18), and HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-174

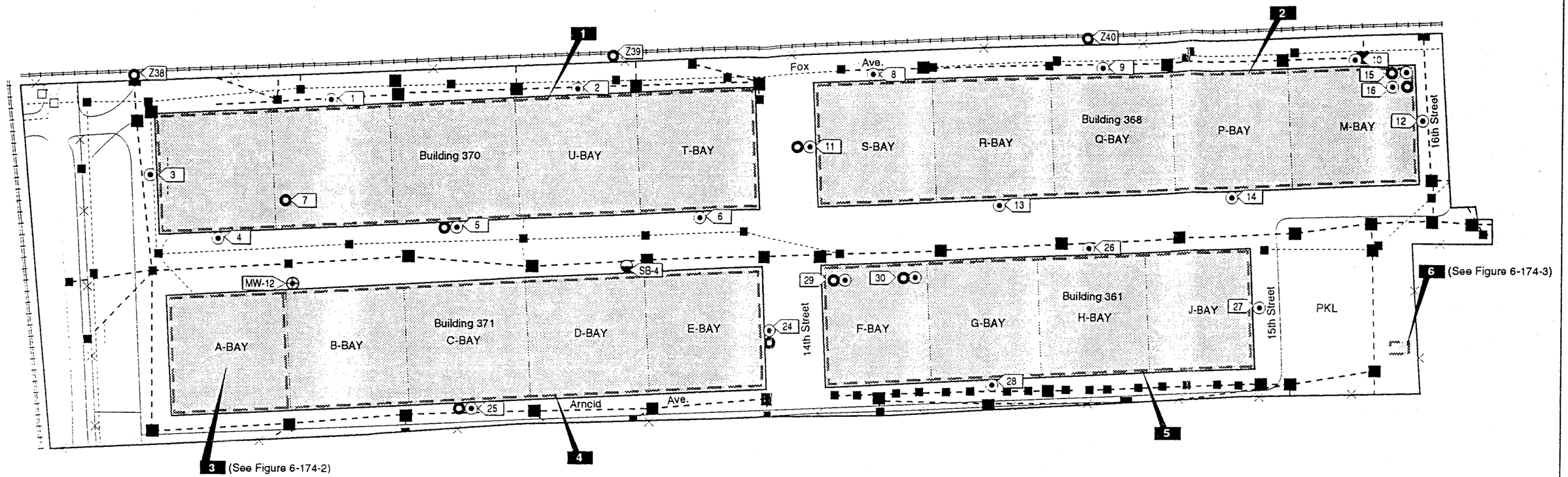
PARCEL 174 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 174 at NAS Alameda (Figures 6-174-1, 6-174-2, and 6-174-3). The parcel, which is located in the northeast portion of the base, is 32.5 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA Sites are located at this parcel. Six parcel-specific target investigation areas (target areas), and two zone-wide target areas are encompassed in the parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling, subsurface GeoProbe soil sampling, and soil vapor sampling. Table 6-174-1 provides the complete list of samples and analyses prescribed by this plan. Previous soil and groundwater sampling have been conducted at the parcel. Results are presented in a 1988 report prepared by ERM-West, Inc., under contract N62474-85-D-5627, entitled *Contaminated Site Investigation at the Warehouse and scrap yard Area.*

This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 174, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 174, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, and other areas of concern. Past and present use of this parcel was determined from site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern. Although there are no records to suggest the area was used for purposes other than storage, gaps in the historical record exist.

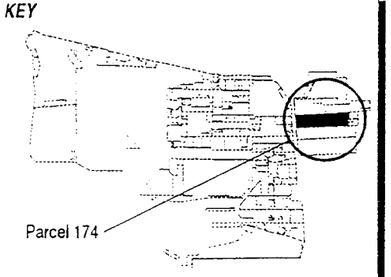


LEGEND

- Target Areas 1-7
- Approximate Location of Bay Wall
- Storm Sewer Line
- Sewer Line
- Soil Vapor Survey Location
- Surface Soil Sample Location
- Boring Location (ERM-West, Inc.)
- Monitoring Well Location (ERM-West, Inc.)
- Manhole
- Catch Basin

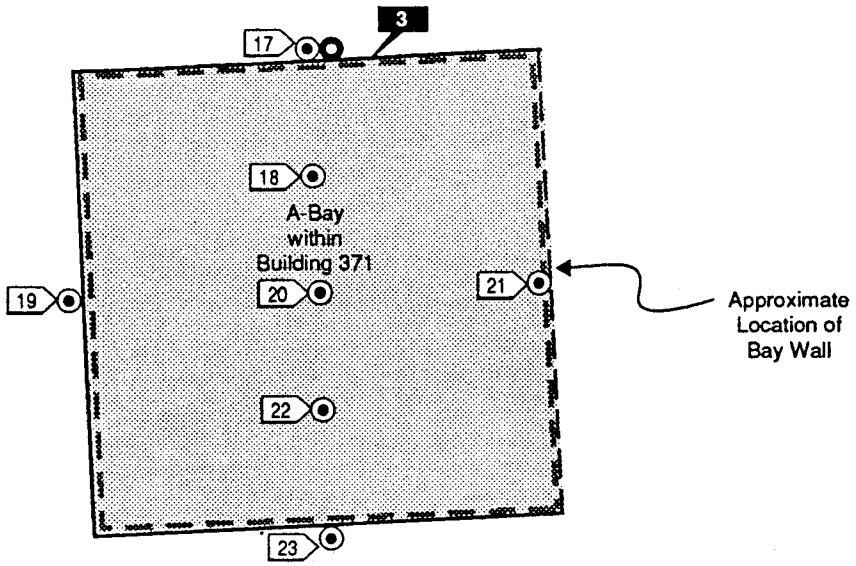
Note: Parcel boundaries are approximate

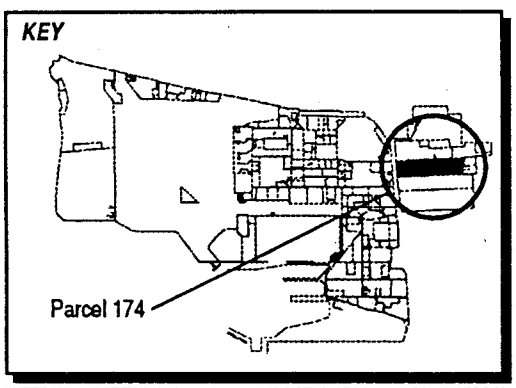
KEY



1"= 190'

Figure 6-174-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/AMR/06.28.94





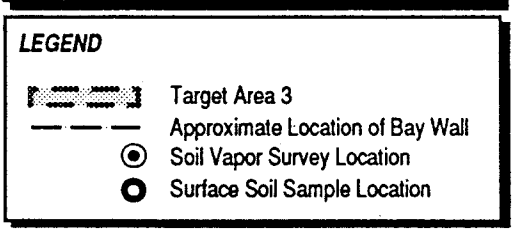
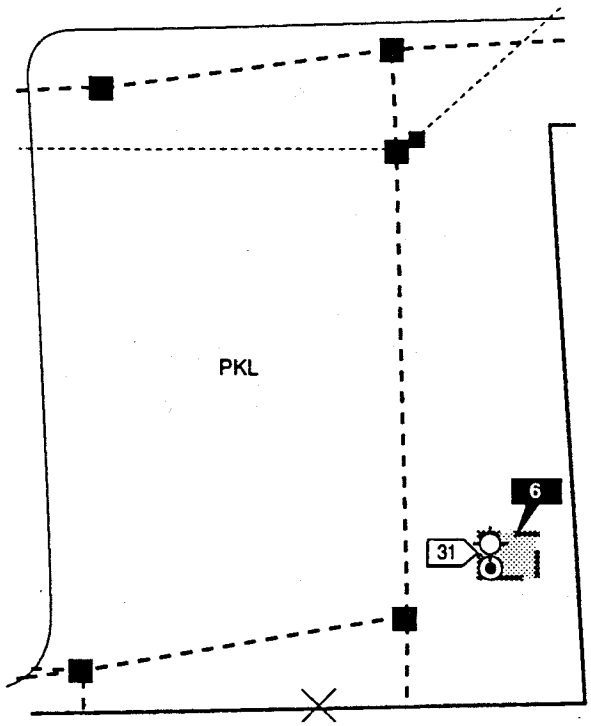
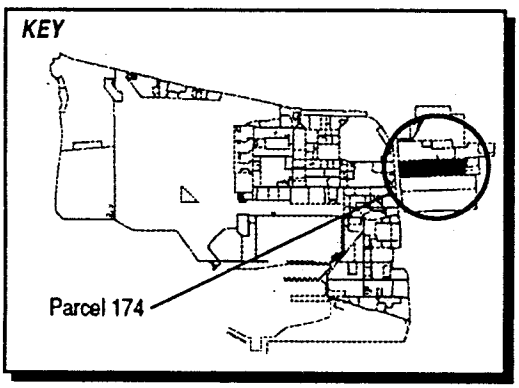


Figure 6-174-2
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/AMR/06.28.94





LEGEND

- Target Area 6
- Storm Sewer Line
- Sewer Line
- Soil Vapor Survey Location
- Geoprobe Sample Location
- Manhole
- Catch Basin

1"= 125'

Figure 6-174-3
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/AMR/06.28.94

TABLE 6-174-1

Summary of Recommended Samples
NAS Alameda Parcel 174

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Target Analytes	Analytical Method
174-1-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	VOCs	GC
174-2-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	VOCs	GC
174-3-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	VOCs	GC
174-4-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	VOCs	GC
174-5-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	VOCs	GC
174-5-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	VOCs, TPH	CLP RAS, Modified EPA 8015
174-6-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	VOCs	GC
174-7-3-V-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	VOCs, TPH	CLP RAS, Modified EPA 8015
174-8-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
174-9-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
174-10-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
174-11-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
174-11-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	VOCs, TPH	CLP RAS, Modified EPA 8015
174-12-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
174-13-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
174-14-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
174-15-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
174-15-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	VOCs, TPH	CLP RAS, Modified EPA 8015
174-16-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
174-16-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	VOCs, TPH	CLP RAS, Modified EPA 8015
174-17-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 3	VOCs	GC
174-17-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	VOCs, TPH	CLP RAS, Modified EPA 8015
174-18-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 3	VOCs	GC
174-19-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 3	VOCs	GC
174-20-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 3	VOCs	GC
174-21-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 3	VOCs	GC

TABLE 6-174-1

Summary of Recommended Samples
NAS Alameda Parcel 174

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Target Analytes	Analytical Method
174-22-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 3	VOCs	GC
174-23-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 3	VOCs	GC
174-24-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 4	VOCs	GC
174-24-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	VOCs, TPH	CLP RAS, Modified EPA 8015
174-25-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 4	VOCs	GC
174-25-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	VOCs, TPH	CLP RAS, Modified EPA 8015
174-26-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 5	VOCs	GC
174-27-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 5	VOCs	GC
174-28-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 5	VOCs	GC
174-29-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 5	VOCs	GC
174-29-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 5	VOCs, TPH	CLP RAS, Modified EPA 8015
174-30-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 5	VOCs	GC
174-30-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 5	VOCs, TPH	CLP RAS, Modified EPA 8015
174-31-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 6	VOCs	GC
174-31-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 6	TPH	Modified EPA 8015
Z16-38-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 3	SVOCs	CLP RAS
Z16-38-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 3	TPH, PCBs, lead	Test Kit, XRF
Z16-38-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 16 Target Area 3	TPH, PCBs, lead	Modified EPA 8015, CLP RAS
Z16-39-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 3	SVOCs	CLP RAS
Z16-39-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 3	TPH, PCBs, lead	Test Kit, XRF

TABLE 6-174-1

Summary of Recommended Samples
NAS Alameda Parcel 174

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Target Analytes	Analytical Method
Z16-40-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 3	SVOCs	CLP RAS
Z16-40-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 3	TPH, PCBs, lead	Test Kit, XRF

* This is the suggested location for the confirmatory sample. The actual location will depend on field analytical results.

This parcel has been grouped into a zone with Parcels 98, 99, 100, 103, 170, 171, 172, 173, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184 and 212. This parcel zone has been designated the Housing Zone (Zone 16). The Housing Zone encompasses the parcels that are primarily residential and commercial (e.g., the Navy Lodge). During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 16.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, wetlands occupied the parcel area. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, four buildings (Buildings 361, 368, 370, and 371), one sewage lift station, and one aboveground diesel storage tank are located on the parcel. These buildings and structures cover approximately 55 percent of the parcel area. The remainder (45 percent) is open space. The parcel area is presently used for storage. Sewer lines are present on this parcel and are shown on Figure 6-174-1.

Parcel 174 is located directly south of the Scrap Yard Installation Restoration (IR) Program site. Because of the proximity of Parcel 174 to the Scrap Yard IR site, previous investigations have been conducted at Parcel 174 and specific data regarding potential chemical occurrence are available. Data from previous investigations at Parcel 174 are discussed later in this PEP and in the 1988 ERM-West report.

Current investigations are being performed at the Fleet and Industrial Supply Center, Oakland Alameda Facility and Alameda Annex. This investigation affects numerous parcels in the Housing Zone. The parcels located within 500 feet of the study area include Parcels 172, 173, 174, 175, 176, 177, 178 and 184, 179 and 180, 181, and 182. These parcels were investigated during the 1990s by PRC Environmental Management, Inc. and VERSAR, Inc. A May 1991 report and an October 1993 addendum were prepared by PRC Environmental Management, Inc. and VERSAR, Inc., under contract N62474-88-D-5086, entitled *Remedial Investigation/Feasibility Study Phase II Field Sampling Plan*, summarizes the results of current Phase IIA and IIB investigative plans. A Phase IIC workplan has also been prepared and is currently being implemented. The final RI/FS document is scheduled for delivery to the Navy on March 27, 1995. When all three phases of these current investigations are implemented, approximately

83 soil borings and 40 monitoring wells will be installed throughout the study area.

Previous and current investigations that affect parcels within the Housing Zone are also summarized in the Zone Analysis Plan for Zone 16. In addition to comparing the existing data to PRGs, it is recommended that the parcel-specific sampling data be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, background concentrations may represent a more appropriate screening level than the concentrations suggested by the PRGs.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Extensive peeling paint was observed on the exterior of all buildings. As these buildings were built before 1978, there may be a lead-paint issue to address on Parcel 174.

Utilities located within and immediately surrounding the parcel buildings and within the open spaces include underground gas, sanitary sewer, storm sewer, water, and electrical lines. Nineteen transformers, both pole- and pad-mounted, and three switches are located in the parcel.

Based upon building visual inspections, buildings located on Parcel 174 do not appear to be equipped with heating-ventilation-air conditioning (HVAC) systems. Activities of potential environmental or industrial hygiene concern within each open space and building on this parcel are described in detail below.

Building 361

Building 361 was constructed in 1944 as a warehouse. It is currently used for storage of items including medical supplies, hazardous materials, and hazardous waste. Building 361 is a one-story building and is constructed of wood with an asphalt floor, a concrete foundation, and a tar and gravel roof. This building covers approximately 140,000 square feet. Information collected during the EBS indicates that activities conducted within this building included equipment and waste storage only.

Hazardous materials and waste including motor oil, pesticides, battery acid, and TCE are documented to have been stored in Bays J, H, and G of Building 361. A total of approximately 30 gallons of Shell motor oil is stored in Building 361. Based upon a building visual inspection, hazardous materials and wastes are only documented to have been stored in Bay F of Building 361. Hazardous materials and waste storage in Bay F includes 500 gallons of pesticides, 500 gallons of Kodak developer, 20 gallons of ammonium nitrate, two 55-gallon drums of used aerosol cans, and paint. Disposal methods for used chemicals are unknown, although potentially impacted storm drains exist on Parcel 174 and staining is present around cracks in the floor possibly caused by earthquakes.

An unknown number of gallons of engine coolant was spilled onto asphalt during the site inspection. A stain approximately ten feet by ten feet in area within Bay F was documented in May 1994. Cleanup of the spill was not documented. Cracks and seams are present in the asphalt in the area of the stain.

Other issues of potential concern include several holes in the floor of Building 361, significant accumulation of dust on interior building surfaces, and possible lead-based paint peeling off the exterior of the building.

Building 368

Building 368 was constructed prior to August 1953 and serves as a storage warehouse. Bay R stores freezers, new and used 275-gallon fuel tanks, and compressors; Bay S stores paper products and wood; Bay P stores lead chest X-ray protectors and antibodies; and Bay M contains a Satellite Hazardous Waste Accumulation Point (SHWAP). Bay M is used for forklift repair and maintenance, and Bays P, R, and S are used for forklift activities. Building 368 is a one-story building. It is constructed of a steel frame with an asphalt floor, a concrete foundation, and metal roofing and siding. It covers approximately 220,000 square feet.

Information collected during the EBS indicates that activities conducted within this building included repair and maintenance of forklifts. PET, brake fluid, engine oil, and WD-40 have been stored and used in the repair shop area of Building 368. One 75-gallon drum and one 55-gallon drum were observed during visual inspection. Disposal of used chemicals was accomplished by discharging into a sink that drains to the sanitary sewer. Potentially impacted storm drains also exists on Parcel 174.

A review of site inspection data indicates that undocumented spills have occurred within Building 368 as indicated by the presence of extensive staining on the asphalt in the forklift area of Bay M. Another issue of potential concern is a four foot by four foot metal plate of unknown function in Bay R.

Building 370

Building 370 was constructed prior to August 1953 and serves as a warehouse for storage of such items as empty gas cylinders, generators, and fuel pump modules (in Bay T); food storage (in Bay U); and food, chemicals, and electronic equipment storage (in the three unlabeled bays). Empty paint and gas cans were found in the west-most unlabeled bay, and hydraulic fluid, coolant, polish, and batteries (wet-filled with alkali) were stored in the middle unlabeled bay. Building 370 is a one-story building. It is constructed of a steel frame with an asphalt floor, a concrete foundation, and metal roofing and siding. The building covers approximately 200,000 square feet.

Information collected during the EBS indicates that activities conducted within this building consisted of food, chemical, and equipment storage only. Hydraulic fluid, lubricating oil, and polish are documented to have been stored in quantities up to 500 gallons in the middle unlabeled bay within Building 370. Disposal methods for used chemicals are unknown, although potentially impacted storm drains exist on this parcel. A ten-foot by five-foot black, oily stain was observed during visual inspection in the middle bay. Other issues of possible concern include dust and possible lead-based paint peeling from the walls of the office space within Building 370.

Building 371

Building 371 was constructed prior to August 1953 as a warehouse for storage of items including medical supplies (in Bays D and E); food (in Bay C); supply vans, medical equipment, and fire extinguishers (in Bay B); paint (in Bay E); and chemicals and hazardous waste (in Bay A). Building 371 is a one-story building. It is constructed of a steel frame with an asphalt floor and a concrete foundation, and metal roofing and siding. The building covers approximately 200,000 square feet.

Information collected during the EBS indicates that activities conducted within this building included food, chemical, and medical supply storage only. Documented chemicals that have been stored in the building include: up to 50 gallons of paint, up to 10 gallons of paint in aerosol cans, less than 50 gallons of lubricating oil, spray paint, paint

thinner, and WD-40 in Bay E; and greater than 1,000 gallons of corrosives, halogenated organic compounds, metals, petroleum products, pesticides, and paints in Bay A. A hazardous waste accumulation area is located in the northeast corner of Bay A. Disposal methods for used chemicals are unknown, although potentially impacted storm drains exist on Parcel 174.

A review of site inspection data shows the presence of stains which indicates that undocumented spills have occurred within Building 371. A 10-foot by 30-foot stain was observed at the suspected former equipment battery recharge area.

Other issues of possible concern include dust and potentially lead-based paint peeling from the walls of the office space within Building 371.

Open Space I

Open Space I is defined as the parking area located southeast of Building 368 on Parcel 174. This space covers approximately ten percent of the parcel. Open Space I is regularly used for vehicle parking.

Structures located within Open Space I include a 500-gallon capacity aboveground diesel fuel storage tank, two hazardous waste drums, and approximately 150 900-gallons empty fuel tanks. The ground surface of Open Space I is entirely paved with asphalt, which is generally in fair condition.

A review of site inspection data indicates that the aboveground diesel fuel storage tank is leaking from the exit hose. A four-foot by four-foot stain extending onto the asphalt below the tank's concrete pad was noted. An odor was also present during the site inspection.

Open Space II

Open Space II is defined as the areas between Buildings 368 and 370 and between Buildings 371 and 361. This space covers approximately five percent of the parcel. In general, Open Space II has been used for the storage of Conex boxes. The ground surface of Open Space II is paved completely with concrete, which is generally in fair condition.

EBS information indicates that activities conducted within this open space have been confined to materials storage. Various chemicals have been stored in Open Space II. Approximately 60 to 80 Conex boxes labeled with flammable liquid, flammable gas, non-flammable gas, and

poison placards are presently stored in Open Space II. There are storm drains located throughout this storage area. There have been no documented spills in this area, and no stains were observed during visual inspection.

Open Space III

Open Space III, which comprises approximately five percent of the parcel, is defined as the area north of Buildings 370 and 368. The use of Open Space III was not documented and is not apparent from visual inspection. The entire ground surface of Open Space III is poorly maintained concrete; loose rocks and dirt are present on top of the pavement.

EBS information is inconclusive with respect to the past use of this area. There is no information regarding chemical use in this area, although various types of stains were observed during the visual inspection.

Scattered paint spills were found at a higher density in Open Space III than elsewhere on the parcel. These spills appear to have involved relatively minor quantities of released material. There are also a few stains in this area that may be associated with equipment waterproofing. Several of these spills were observed in close proximity to storm water drains.

Open Space IV

Open Space IV, which comprises approximately ten percent of the parcel, is defined as the area west of Buildings 370 and 368. No documentation was provided for the use in Open Space IV. From visual inspection, this area appears to be undergoing excavation and construction. The entire ground surface of Open Space IV is covered with loose rocks and dirt.

Open Space V

The remaining open space in parcel 174 is designated as Open Space V. This area covers approximately 15 percent of the parcel, defined primarily as the area between Buildings 370 and 371, and the area between Buildings 361 and 368. In general, the open space has been used for storage.

The majority of this open space is paved with asphalt, with the exception of several concrete walkways, gravel surrounding the sewage

lift station in the southwest corner of the parcel, and sparse vegetation located to the west of Building 370. The majority of the asphalt is in poor condition. The poor condition of the pavement and the presence of gravel made it difficult to identify stains.

EBS information is inconclusive regarding activities conducted within Open Space V. Four hundred Conex boxes were noted in this open space during visual inspection. Most were lacking placards identifying their contents. Numerous storm water drains were also observed during visual inspection in this open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 174 is bounded by Parcel 171 to the south; Parcels 172, 173, and 175 to the east; and Parcels 178, 184, and 176 to the north. Activities of concern on adjacent parcels include hazardous material storage on Parcels 172 and 173, potential chemical storage on Parcel 175, and hazardous waste present on Parcel 176 (part of the Scrapyard IR site). The Alameda Railroad runs along Main Street on the western border and along Fox Street on the northern border of Parcel 174. The Alameda Railroad may have potentially impacted this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 174, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-174-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines

TABLE 6-174-2

Summary of Data Gaps
NAS Alameda Parcel 174

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 174.
Installation Restoration (IR) Sites	• The Scrapyard IR Site is located adjacent to the north side of Parcel 174. Additional subsurface investigation relative to the Scrapyard IR Site is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Alameda Railroad Along The Northern and Western boundaries.
Potential Parcel-Specific Release Areas	• Hazardous materials storage in Buildings 361, 368, 370, 371 and Parcel-Specific Target Area 6.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-174-2

Summary of Data Gaps
NAS Alameda Parcel 174

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, steam, electrical, and water lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

are also addressed separately. Sampling associated with sewers is discussed in corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling appears to be required for Parcel 174 because no industrial buildings are present. However, a one-time compliance program will determine whether further sampling or cleanup measures are required within buildings before transfer or lease can occur.

As noted earlier, Parcel 174 was previously occupied by wetlands. The parcel may have been impacted by historical (prior to filling) releases or disposal of organic compounds from a nearby oil refinery and two gas manufacturing plants. Subsurface soil samples collected on Parcel 181 as part of the investigation of the Naval Supply Center contained elevated levels of benzene and naphthalene. The soil samples contained a tar-like material. The affected horizon was between 16 and 20 feet below the ground surface (bgs). No parcel-specific VOC sampling has been proposed for Parcel 174; however, VOC sampling has been addressed as a zone-wide issue for the parcels located in Zone 16.

Once the data gaps in Table 6-174-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 174 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target areas. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 16. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following six parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-174-2.

- Target Area 1 (Building 370 and Southern Perimeter): This target area addresses the possible release of compounds of concern associated with hydraulic fluid and lubricating oil storage in the middle unlabeled bay, and flammable liquids and poisons storage in the Conex boxes. The size of this area within Building 370 is approximately 200,000 square feet. The likelihood of

environmental impacts having occurred within this target area is classified as suspect.

- Target Area 2 (Building 368): This target area addresses the possible release of compounds of concern associated with use and storage of PET, brake fluid, engine oil, and WD-40 associated with forklift activity throughout the building, and the forklift repair and maintenance shop in Bay M. The size of this area within Building 368 is approximately 220,000 square feet. The likelihood of environmental impacts having occurred within this target area is classified as suspect.

- Target Area 3 (Bay A in Building 371): This target area addresses the possible release of compounds of concern associated with storage of lubricating oil, spray paint, corrosives, halogenated organic compounds, and petroleum products within Bay A, along with storage of hazardous waste in the hazardous waste accumulation area. The size of this area within Building 371 is approximately 40,000 square feet. The likelihood of environmental impacts having occurred within this target area is classified as suspect.

- Target Area 4 (Building 371 excluding Bay A): This target area addresses the possible release of compounds of concern associated with storage of paint and medical equipment. The size of this area within Building 371 is approximately 160,000 square feet. The likelihood of environmental impacts having occurred within this target area is classified as potential.

- Target Area 5 (Building 361): This target area addresses the possible release of compounds of concern associated with storage of paint, battery acid, engine coolant, TCE, pesticides, and hazardous waste. The size of this area within Building 361 is approximately 140,000 square feet. The likelihood of environmental impacts having occurred within this target area is classified as suspect.

- Target Area 6 (Diesel Tank and Drums within Open Space I): This target area addresses the possible release of compounds of concern associated with storage of diesel fuel and hazardous waste. The size of this area within Building 361 is approximately 200 square feet. The likelihood of environmental impacts having occurred within this target area is classified as suspect.

The following zone-wide target areas were identified on Parcel 174 based on possible impacts from activities described above involving potentially hazardous substances.

- Zone 16 Target Area 2 (Filled Wetlands): This parcel does not contain any samples from this zone.

- Zone 16 Target Area 3 (Alameda Railroad Along The Western and Northern Parcel Boundaries): Zone 16 Target Area 3 includes all current or former railroad tracks within the Housing Zone. The railroad borders the western boundary of Parcel 174. Three of the five samples proposed to be collected from this zone-wide target area are located on Parcel 174. The zone-wide target area samples that are located on Parcel 174 are listed on Table 6-174-1. This target area addresses the possible presence of TPH, SVOCs, PCBs, and lead. The likelihood of environmental impacts having occurred within this target area is classified as potential.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3), soil gas sampling (SOP 6), and GeoProbe soil sampling (SOP 14). Table 6-174-1 summarizes screening-level sampling and analysis for the parcel's target areas. Ten surface soil samples, 30 soil gas samples, and one subsurface GeoProbe soil sample will be collected. Locations for these samples are shown on Figures 6-174-1, 6-174-2, and 6-174-3. Adjustments to the proposed locations may be made if warranted by field conditions. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

In Zone 16 Target Area 3, samples should be collected between the tracks underneath the coarse gravel (ballast). Sample locations are shown on Figure 6-174-1.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: chip sampling (SOP 18), and HydroPunch groundwater sampling (SOPs 1 and 15),

TABLE 6-174-3

Soil Sample Results in mg/kg from Boring 12 between 2' and 4'
NAS Alameda Parcel 174

	Arsenic	Cadmium	Chromium	Lead	Nickel
March 1987	9	1	48	34	74
Detection Limit	0.05	0.05	0.05	0.2	0.5

Source: ERM-West, Inc., 1988

TABLE 6-174-4

Groundwater Sample Results in mg/L from MW-12
NAS Alameda Parcel 174

	Arsenic	Cadmium	Chromium	Lead	Nickel	Benzene	Napthalene
Aug-87	ND	0.04	0.03	0.47	0.18	ND	ND
Jan-88	0.008	ND	ND	ND	ND	ND	ND
Detection Limit	0.005	0.001	0.005	0.005	0.05	0.0005	40
May 1993 MCL	0.05	0.005	0.1	0.015	0.1	0.005	

Source: ERM-West, Inc., 1988

TABLE 6-174-5

Soil Sample Results in mg/kg from Boring 4
NAS Alameda Parcel 174

Sample Depth between 0' and 0.5'

	Arsenic	Cadmium	Chromium	Lead	Nickel
March 1987	5	2	41	26	33
Detection Limit	0.05	0.05	0.05	0.2	0.5

Sample Depth between 1' and 1.5'

	Arsenic	Cadmium	Chromium	Lead	Nickel
March 1987	10	5.5	40	22	34
Detection Limit	0.05	0.05	0.05	0.2	0.5

Sample Depth between 4.5' and 5'

	Arsenic	Cadmium	Chromium	Lead	Nickel
March 1987	5.2	2.5	68	14	55
Detection Limit	0.005	0.001	0.005	0.005	0.05

Source: ERM-West, Inc., 1988

environmental air monitoring (SOP 22), monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10), and the existing monitoring well (MW-12).

A monitoring well (MW-12) was installed on Parcel 174 north of Building 371 as part of the previous investigation of the scrap yard IR site. Soil samples were collected from this location prior to monitoring well installation. Soil sampling was also performed from zero to five feet below ground surface at another location north of Building 371 (SB-4). Activities performed at the scrap yard IR site appear to have impacted Parcel 174. Locations of MW-12 and SB-4 are shown on Figure 6-174-1.

Data from soil and groundwater samples taken at MW-12 between March 1987 and January 1988 are summarized in Tables 6-174-3 and 6-174-4 below. Soil samples from boring SB-4 are summarized in Table 6-174-5. Data indicate that activities on adjacent parcels have impacted Parcel 174. Current monitoring well data from the scrap yard IR site is not available to fully characterize the impacts to Parcel 174.

Follow-up sampling may be performed on Parcel 174 to characterize the impacted areas as part of ongoing investigations at adjacent parcels. Additionally, potentially impacted sewer lines and storm drains exist throughout Parcel 174, which require detailed evaluation.

Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-175

PARCEL 175 EVALUATION PLAN

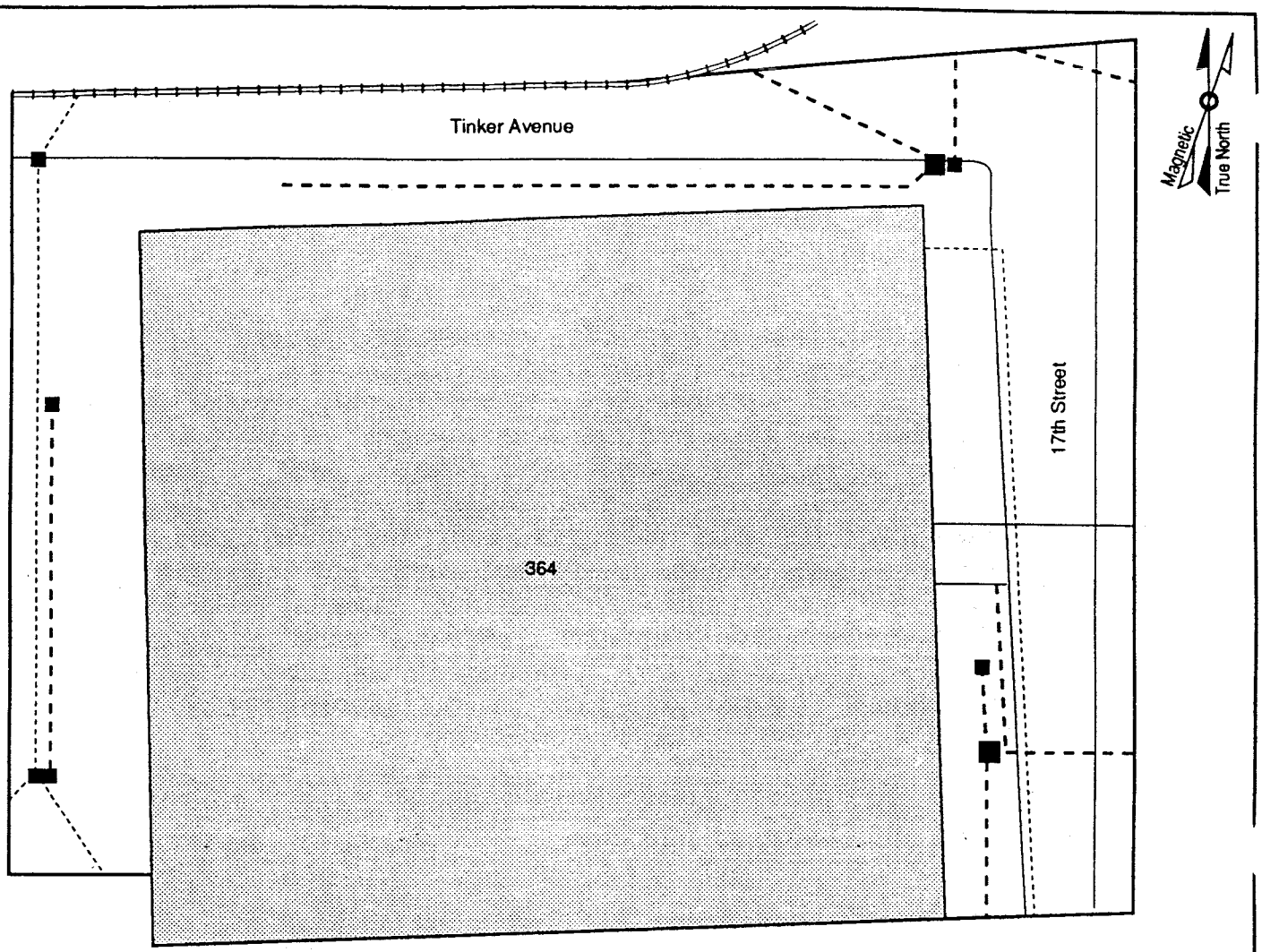
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 175 at NAS Alameda (Figure 6-175-1). The parcel, which is located in the northeast portion of the base, is approximately three acres in size and is roughly square in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel does not contain any RCRA sites. No parcel-specific target investigation areas (target areas) have been identified at this parcel. Two zone-wide target areas have been identified at this parcel; however, no zone-wide samples are located on this parcel. This parcel-specific plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed evaluation of Parcel 175, historical activities are discussed below.

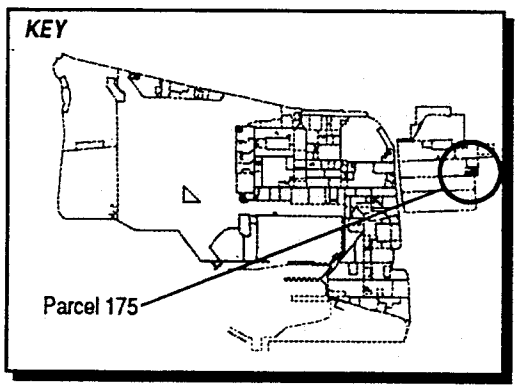
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 175, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identified Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 98, 99, 100, 103, 170, 171, 172, 173, 174, 176, 177, 178, 179, 180, 181, 182, 183, 184 and 212. This parcel zone has been designated the Housing Zone (Zone 16). The Housing Zone encompasses the parcels that are primarily residential and commercial (e.g., the Navy Lodge). During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and





LEGEND

- Storm Sewer Line
- Sewer Line
- Sanitary Sewer Manhole
- Catch Basin

Note: Parcel boundaries are approximate

1" = 60'

Figure 6-175-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.10/GCF/07.11.94

potential zone-wide concerns are described in the Zone Analysis Plan for Zone 16.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, wetlands occupied the parcel area. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 364) covers approximately 60 percent of the parcel. The remaining 40 percent is open space. Building 364 is presently used for storage. Sewer lines are present on this parcel and are shown in Figure 6-175-1.

Parcel 175 is bounded on the north by an Installation Restoration (IR) Program site (Scrapyard). Previous investigations, including monitoring well installation (MW-11) and soil sampling, have occurred on Parcel 175 located north of Building 364. Data and results are available in a report prepared by ERM-West, Inc. (contract N62474-85-D-5627) entitled *Contaminated Site Investigation at the Warehouse and Scrap Yard Area*. This report discusses the impacts from this IR site on Parcels 172, 174, 175, 176, and 177. Additional data and results on Parcels 176 and 177 are included in a report prepared by PRC Environmental Management, Inc. (contract N62474-88-D-5086) entitled *Naval Supply Center, Oakland Alameda Annex and Facility Screening Lot and Scrapyard Area Alameda, California Sampling Results Technical Memorandum.*

Data from soil and groundwater samples taken at monitoring well MW-11 between March 1987 and January 1988 are summarized in Tables 6-175-2 and 6-175-3 below. The 1987 groundwater monitoring data showed that concentrations of cadmium, lead, nickel, and benzene in groundwater exceeded 1993 MCLs. However, 1988 groundwater data showed all constituents to be below MCLs. The concentration of arsenic in soil exceeded August 1994 industrial and residential PRGs. Current monitoring well data from the neighboring Scrapyard IR site (Parcel 176) are not yet available to fully characterize the impacts to Parcel 175.

Current investigations are being performed at the Fleet and Industrial Supply Center Oakland; Alameda Facility and Alameda Annex. This investigation affects parcels in the Housing Zone. The parcels located within 500 feet of the study area include Parcels 171, 172, 173, 174, 175, 176, 177, 178 and 184, 179 and 180, 181, and 182. These parcels were investigated during the 1990s by PRC Environmental Management, Inc. and VERSAR, Inc. A May 1991 report and an October 1993 addendum were prepared by PRC Environmental Management, Inc. and VERSAR, Inc., under contract N62474-88-D-5086, entitled *Remedial*

TABLE 6-175-2

Soil Sample Results in mg/kg from Boring 11
NAS Alameda Parcel 175

	Arsenic	Cadmium	Chromium	Lead	Nickel
March 1987	5	1	48	7	42
March 1987 (duplicate)	5.2	1	36	11	38
Detection Limit	0.05	0.01	0.05	0.05	0.5

Source: ERM-West, Inc., 1988

TABLE 6-175-3

Groundwater Sample Results in mg/L from Boring 11
NAS Alameda Parcel 175

	Arsenic	Cadmium	Chromium	Lead	Nickel	Benzene	Napthalene
Aug-87	ND	0.02	0.03	0.24	0.11	350	560
Jan-88	ND	ND	ND	ND	ND	ND	ND
Detection Limit	0.005	0.001	0.005	0.005	0.05	0.0005	40
May 1993 MCL	0.05	0.005	0.1	0.015	0.1	0.005	

Source: ERM-West, Inc., 1988

Investigation/Feasibility Study Phase II Field Sampling Plan, summarizes the results of current Phase IIA and IIB investigative plans. A Phase IIC workplan has also been prepared and is currently being implemented. The final RI/FS document is scheduled for delivery to the Navy on March 27, 1995. When all three phases of these current investigations are implemented, approximately 83 soil borings and 40 monitoring wells will be installed throughout the study area.

Previous and current investigations that affect parcels within the Housing Zone are also summarized in the Zone Analysis Plan for Zone 16. In addition to comparing the existing data to PRGs, it is recommended that the parcel-specific sampling data be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, background concentrations may represent a more appropriate screening level than the concentrations suggested by the PRGs.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Activities of potential concern within parcel open space is described in detail below.

Building 364

Based upon aerial photographs, Building 364 was constructed prior to August 1963. This building is in fair condition. Building 364 is one-story tall, has a steel frame with a concrete floor, and covers approximately 72,000 square feet. The space occupied by Building 364 was formerly open space used as a storage area.

Information collected during the EBS indicates that activities conducted within Building 364 included storage only. No chemicals are documented to have been stored in this building. Based upon visual inspection, Building 364 is primarily used as a warehouse for X-ray and other medical equipment. One flammable materials locker was observed. This locker contained less than 55 gallons of paint, paint thinner, and degreasers. Methods of disposing used of chemicals stored within Building 364 are unknown.

Scattered, light staining was noticed during visual inspection of the concrete floor. Additionally, the floor appeared to have been resurfaced several times.

Open Space

The open space occupies approximately 40 percent of the parcel. In general, the open space has been used for storage. The entire open space is paved with asphalt (90 percent) and concrete (10 percent).

EBS information indicates that activities conducted within this open space included storage only. No chemicals are documented to have been stored in the open space. Based upon visual inspection, a few Conex boxes were stored on the western side of Building 364.

A few, minor paint overspray stains were noticed during the visual inspection of the open space. Documentation shows that one transformer and one switch gear are present on the western side of Building 364. One groundwater monitoring well (MW-11) was installed north of Building 364 as part of a previous investigation at and around Parcel 176 (the Scrapyard IR site).

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 175 is bounded by Parcel 172 to the south, Parcel 174 to the west, Parcel 176 to the north, and the Fleet Industrial Supply Center - Oakland Alameda Facility to the east. Activities of concern include hazardous material storage on Parcel 172. The presence of petroleum products, spray paint, paint thinner, corrosives, halogenated organics, metals, and pesticides are documented within buildings on Parcel 174. Hazardous waste is present on Parcel 176, which is the Scrapyard IR site. The Alameda Railroad runs along Fox Street and through Parcel 176, which is located along the northern border of Parcel 175.

The presence of a monitoring well (MW-11) on Parcel 175 is probably a result of previous investigations on and around Parcel 176. Soil sampling has been performed on Parcels 174 and 176 as part of previous investigations on and around Parcel 176. The data obtained from previous and proposed screening level investigations should provide sufficient characterization of necessary boundary conditions for Parcel 175.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 175, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-175-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

No industrial hygiene (IH) sampling is required for Parcel 175 because no industrial buildings are present.

As noted earlier, Parcel 175 was previously occupied by wetlands. These parcels may have been impacted by historical (prior to filling) releases or disposal of organic compounds from a nearby oil refinery and two gas manufacturing plants. Subsurface soil samples collected on Parcel 181 as part of the investigation of the Naval Supply Center contained elevated levels of benzene and naphthalene. The soil samples contained a tar-like material. The affected horizon was between 16 and 20 feet below the ground surface (bgs). No parcel-specific VOC sampling has been proposed for Parcel 175; however, VOC sampling has been addressed as a zone-wide issue for the parcels located in Zone 16.

Once the data gaps in Table 6-175-1 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 175 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. However, two zone-wide target areas were identified. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 16.

TABLE 6-175-1

Summary of Data Gaps
NAS Alameda Parcel 175

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 175.
Installation Restoration (IR) Sites	• The Scrapyard IR Site is located adjacent to the north side of Parcel 175. Additional subsurface investigation relative to the Scrapyard IR Site is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified. The railroad tracks in this parcel are being addressed as part of the Scrapyard IR Site.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-175-1

Summary of Data Gaps
NAS Alameda Parcel 175

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, steam, electrical, and water lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

As discussed previously, monitoring well MW-11 is located on Parcel 175 west of Building 364; this well is part of the previous investigation for Parcel 176, the Scrapyard IR site. Current monitoring well data from the Scrapyard IR site (Parcel 176) are not available to fully characterize the impacts to Parcel 175. Follow-up sampling may be performed on Parcel 175 to characterize the impacted areas as part of ongoing investigations at adjacent parcels.

The following zone-wide target areas were identified on Parcel 175 based on possible impacts from activities described above involving potentially hazardous substances.

- Zone Target Area 2 (Filled Wetlands): This parcel does not contain any samples from this zone.
- Zone Target Area 3 (Railroad Tracks): This parcel does not contain any samples from this zone.

SECTION 6-176

PARCEL 176 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 176 at NAS Alameda (Figure 6-176-1). The parcel, which is located in the northeast portion of the base, is approximately nine acres in size and is roughly rectangular in shape. No RCRA sites are located at this parcel. Parcel 176 is part of an Installation Restoration (IR) Program site and is currently undergoing investigation by the IR contractor. Two zone-wide target investigation areas (target areas) were identified for Parcel 177. A high level of effort is needed to complete the assessment at this parcel.

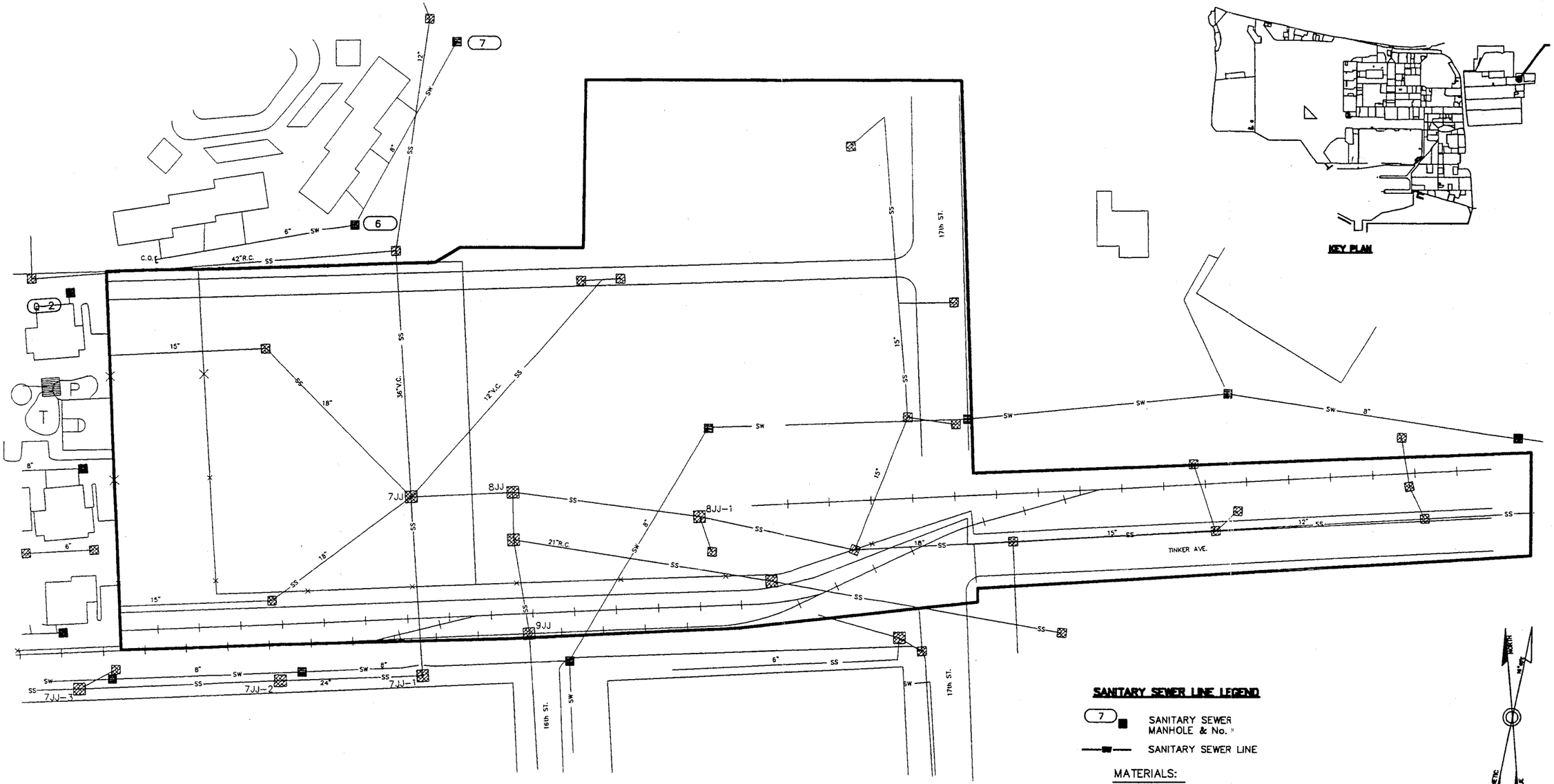
Releases of radioactive materials, petroleum products, corrosives, flammable liquids, mercury, and metals have historically impacted the open space of this parcel. Soil and groundwater sampling results have been addressed in a 1988 report prepared by ERM-West, Inc., under contract N62474-85-D-5627, entitled *Contaminated Site Investigation at the Warehouse and Scrapyard Area*, and a 1993 report prepared by PRC Environmental Management, Inc., under contract N62474-88-D-5086, entitled *Naval Supply Center, Oakland; Alameda Annex and Facility Screening Lot and Scrapyard Area; Alameda, California; Sampling Results Technical Memorandum*. Ongoing follow-up sampling and radiological sampling are being performed by the IR contractor.

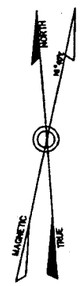
This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. Historical activities on Parcel 176 are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for open spaces and boundaries of Parcel 176, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies an Installation Restoration Program site and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the





GENERAL LEGEND

PARCEL OUTLINE

NOTES:

1. NO P.E.P. SPECIFIC SAMPLING IS CALLED FOR AT THIS PARCEL.
2. PLEASE REFER TO THE REPORTS REFERENCED IN THE PARCEL 176 EVALUATION PLAN (SECTION 6-176) FOR PREVIOUS SAMPLING LOCATIONS AND SAMPLING RESULTS AT THIS PARCEL.

SCALE IN FEET

100 0 100 200 300

1" = 100'

SANITARY SEWER LINE LEGEND

7 SANITARY SEWER MANHOLE & No.

SW SANITARY SEWER LINE

MATERIALS:

C.I. – CAST IRON

NOTES:

1. ALL SANITARY SEWERS ARE VITRIFIED CLAY PIPE UNLESS NOTED OTHERWISE.

STORM DRAIN LEGEND

7JJ-3 MANHOLE

CATCH BASIN

SS STORM SEWER LINE

MATERIALS:

R.C. – REINFORCED CONCRETE

NAVAL AIR STATION, ALAMEDA

FIGURE 6-176-1
PARCEL 176
PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO. 1956B176.DWG	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS: PWC 17.631 (STORM DRAINS) PWC 108.730 (SANITARY SEWER)
SCALE AS NOTED	DATE: 10/14/94

SHEET 1 OF 1

parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 98, 99, 100, 103, 170, 171, 172, 173, 174, 175, 177, 178, 179, 180, 181, 182, 183, 184 and 212. This parcel zone has been designated the Housing Zone (Zone 16). The Housing Zone encompasses the parcels that are primarily residential and commercial (e.g., the Navy Lodge). During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 16.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, wetlands occupied the parcel area. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Although no buildings are known to have existed on Parcel 176, one structure (Structure 367) covers less than five percent of the parcel. The parcel is presently in use as a salvage yard. Sewer lines are present at this parcel and are shown in Figure 6-176-1. Storm drains present on this parcel collect runoff from the parcel and may potentially be impacted from the release of liquids from storage containers on the parcel. Historical aerial photographs show that persistent surface staining was present on Parcel 176 from approximately 1953 to 1985.

Parcel 176 is contained within the Scrapyard IR site. Previous investigations have been conducted at Parcel 176 and specific data regarding potential chemical occurrence are available. Data from previous and current investigations at Parcel 176 are discussed in the previous and current investigations subsections in this PEP and in both the 1988 ERM-West and the 1993 PRC reports.

Previous and current investigations that affect parcels within the Housing Zone are also summarized in the Zone Analysis Plan for Zone 16. In addition to comparing the existing sampling data to PRGs, it is recommended that the sampling data be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, background concentrations may represent a more appropriate screening level than the concentrations suggested by the PRGs.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials will be addressed in other sampling programs and

are not considered in this PEP. Lead-based paint, PCBs, and asbestos are not anticipated to be concerns on this parcel.

Seismic disturbances have impacted areas at NAS Alameda; however, there is no documentation of earthquake damage in Parcel 176. Activities of potential environmental or industrial hygiene concern within parcel open space are described in detail below.

Previous Investigations

Previous investigations have collected soil, groundwater, air, and soil vapor samples from Parcels 176 and 177. Follow-up detailed evaluations are being conducted by the IR contractor.

As part of a former screening-level sampling effort summarized in the 1988 ERM-West report, a total of 34 soil samples were collected throughout Parcels 176 and 177 (primarily on Parcel 177). These samples were analyzed for priority pollutants including metals, pesticides/PCBs, VOCs, and asbestos. Another screening-level sampling effort documented in the 1993 report by PRC indicated that a total of 132 soil samples had been collected throughout Parcels 176 and 177, including the railroad track area. These samples were analyzed for priority pollutants including metals, cyanide, phenolics, pesticides/PCBs, VOCs, and SVOCs.

The 1988 ERM-West report indicated that thallium and lead were detected at maximum concentrations of 14 mg/kg and 400 mg/kg, respectively, in a soil sample collected near the railroad tracks in the eastern portion of Parcel 176. The concentration of lead in this soil sample exceeds residential PRGs. The following compounds were detected in soil samples near the west end of Structure 367 at concentrations below residential PRGs: TCE, TCA, benzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, toluene, xylenes, ethylbenzene, t-1,2 dichloroethene, and c-1,2 dichloroethene. According to the 1993 PRC report, soil samples from Parcel 176 contained arsenic, lead, and mercury at maximum concentrations of 212 mg/kg, 26,600 mg/kg, and 4 mg/kg, respectively. The concentrations of both lead and arsenic exceeded residential PRGs for soil.

Soil vapor sampling on Parcels 176 and 177 was performed on a 50-foot interval grid. The 1993 PRC report stated that TCA, PCE, TCE, and TPH were detected in Parcel 176 soil vapor at maximum concentrations of 0.1 µg/L, 100 µg/L, 1 µg/L, and 1,000 µg/L, respectively. Additionally, 17 monitoring wells are located throughout Parcels 176 and 177. Groundwater sampling results from these monitoring wells indicate that most metals and chlorinated organic compounds detected in the groundwater exceeded August 1994 USEPA MCLs. In addition, air

samples were collected and analyzed for lead, arsenic, and asbestos at Parcels 176 and 177. Lead, arsenic, and asbestos were detected at maximum concentrations of 84 ng/SCM, 0.81 ng/SCM, and 0.0039 f/cc, respectively.

The IR contractor has reportedly completed a radiological survey on a 50-foot interval grid as part of follow-up sampling for Parcels 176 and 177. The results were not available at the time of writing.

Current Investigations

Current investigations are being performed at the Fleet and Industrial Supply Center Oakland; Alameda Facility and Alameda Annex. This investigation affects parcels in the Housing Zone. The parcels located within 500 feet of the study area include Parcels 171, 172, 173, 174, 175, 176, 177, 178 and 184, 179 and 180, 181, and 182. These parcels were investigated during the 1990s by PRC Environmental Management, Inc. and VERSAR, Inc. A May 1991 report and an October 1993 addendum were prepared by PRC Environmental Management, Inc. and VERSAR, Inc., under contract N62474-88-D-5086, entitled *Remedial Investigation/Feasibility Study Phase II Field Sampling Plan*, summarizes the results of current Phase IIA and IIB investigative plans. A Phase IIC workplan has also been prepared and is currently being implemented. The final RI/FS document is scheduled for delivery to the Navy on March 27, 1995. When all three phases of these current investigations are implemented, approximately 83 soil borings and 40 monitoring wells will be installed throughout the study area.

Structure 367

Structure 367 was constructed in the early 1950s and is located in the southeastern portion of the parcel. With a paved floor, multiple wooden walls, and no roof, this compartmental structure is currently used for segregating scrap materials. This structure covers approximately 10,000 square feet on both Parcel 176 and Parcel 177. Site inspection data indicate that the structure is in poor condition. According to EBS data, Structure 367 was formerly used as a warehouse. The space occupied by this structure was initially part of the San Francisco Airdrome.

Open Space

Open space covers the entire area referred to as Parcel 176 (nine acres). This parcel has served as a scrapyard for NAS Alameda since the early 1950s. The ground surface of the parcel is primarily dirt with patches of

asphalt and concrete scattered throughout. Asphalt roads run east to west and north to south through this parcel. The scattered pavement is generally in poor condition, while the roads are more carefully maintained. The unpaved areas of the open space are covered with mud, sparse vegetation, and gravel. Utilities located within the open space include underground natural gas, sanitary sewer, storm sewer, water, and electrical lines.

EBS information indicates that activities conducted within this open space have consisted of the storage of salvage materials and the accumulation of waste solutions removed from these salvage materials.

Spills of motor oil and fuel, in amounts typically associated with vehicle parking, were documented in the southeast parking area of the parcel. Near the south edge of the parcel, several stains ranging in size from one square foot to 100 square feet were located on bare soil just north of Gate S-2. No cleanup appeared to have taken place. EBS data indicate that there was an ongoing PCB oil leak from a transformer in the southern portion of Parcel 176.

One aboveground diesel storage tank, which is used to refuel scrapyard equipment, is located in the north-central portion of the parcel. This raised tank is located within a concrete secondary containment structure. According to site inspection data, several stains were present on the bare soil around this tank. These stains appear to be the result of the equipment refueling process.

Approximately 62 locked Conex boxes and several containers labeled "corrosives" and "flammable liquids" were stored at the west end of the parcel during the site inspection.

Potential radiological hazards appear to be of concern in the open space. A small area in the northeast portion of the open space, demarcated with "Caution: Do Not Enter" yellow tape, reportedly contained radioactive materials. There are several spilled and broken drums within this containment area. The ground surface is primarily bare soil, with a lot of standing water in the vicinity. Removal of radioactive waste above one quarter of the permissible radiological dose set by OSHA was performed within this area. In the western portion of Parcel 176, site inspectors noted instruments labeled "radioactive devices" and a wooden crate labeled "mercury metallic" and "radioactive device."

Numerous storm drains are located throughout the open space. They serve as receptacles for the runoff from the scrapyard and the adjacent parking lot in Parcel 174.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 176 is bounded by Parcels 175, 177, 178, 174, 181, and the College of Alameda. The Alameda Railroad runs along the southern portion of Parcel 176. A stain three feet in diameter was located fifteen feet to the south of the tracks. The IR contractor has collected samples for lead, pesticides/PCBs, and SVOCs along this section of tracks.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 176, consistent with the objectives described in Section 1 of the Shell Workplan. The available information suggests that this parcel may be reclassified from BRAC Category 7 to BRAC Category 6. Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred. The data gaps shown in Table 6-176-1 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, radiological concerns, and the Scrapyard Installation Restoration site. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewers is discussed in corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 176 because no industrial buildings are present.

As noted earlier, Parcel 176 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., unpaved areas where vegetation was actively suppressed) and intensive-

use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Because pesticide sampling has already been conducted for previous investigations, no pesticide sampling is recommended for this parcel.

Once the data gaps in Table 6-176-1 are addressed and the sampling results from the previous investigations described below are compared to the appropriate screening levels, Parcel 176 may be leased or transferred.

Target Areas and Compounds of Concern

Because subsurface contamination issues are being addressed by the IR Program, no parcel-specific target areas were identified for this parcel. Two zone-wide target areas were identified at this parcel; however, no zone-wide target area samples are located on this parcel because extensive soil vapor sampling has already been conducted at this parcel.

- Zone 16 Target Area 2 (Filled Wetlands): This parcel does not contain any samples from this zone.

- Zone 16 Target Area 3 (Railroad Tracks): This parcel does not contain any samples from this zone.

The remaining data gaps (concerns pertaining to PCBs, underground lines, radiological concerns, and the Scrapyard IR site) must be resolved before this parcel can be leased or transferred.

TABLE 6-176-1

Summary of Data Gaps
NAS Alameda Parcel 176

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 176.
Installation Restoration (IR) Sites	• The Scrapyard IR Site is located on Parcel 176. Additional subsurface investigation relative to the Scrapyard IR Site is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Parcel 177, Scrapyard IR Site.
Potential Zone-Wide Release Areas	• Former Wetlands. • Railroad Tracks.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, natural gas, and water lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

SECTION 6-177

PARCEL 177 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 177 at NAS Alameda (Figure 6-177-1). The parcel, which is located in the northeast portion of the base, is approximately five acres in size and is rectangular in shape. No RCRA sites are located at this parcel. Parcel 177 is part of an Installation Restoration (IR) Program site and is currently undergoing investigation by the IR contractor. One zone-wide target investigation area (target area) was identified for Parcel 177. A high level of effort is needed to complete the assessment at this parcel.

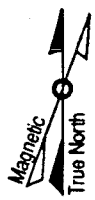
Storage and release of radioactive materials, petroleum products, PCB-containing oil, lead-acid batteries, scrap metal, and halogenated solvents have historically impacted the open space on Parcel 177; storage and release of petroleum hydrocarbons, PCBs, and mercury have historically impacted the interiors of buildings. Soil and groundwater sampling have been addressed in a 1988 report prepared by ERM-West, Inc., under contract N62474-85-D-5627, entitled *Contaminated Site Investigation at the Warehouse and Scrapyard Area*, and a 1993 report prepared by PRC Environmental Management, Inc., under contract N62474-88-D-5086, entitled *Naval Supply Center, Oakland; Alameda Annex and Facility Screening Lot and Scrapyard Area; Alameda, California; Sampling Results Technical Memorandum*.

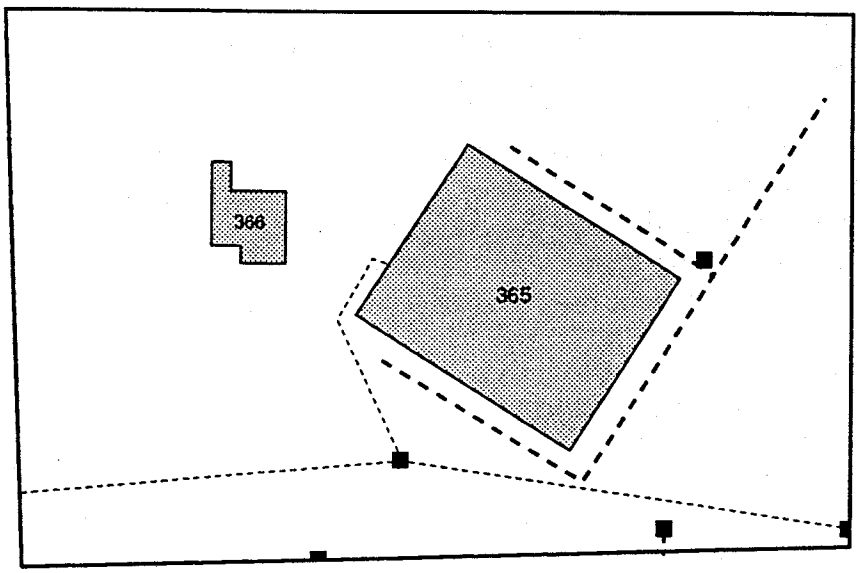
This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. Historical activities are discussed below.

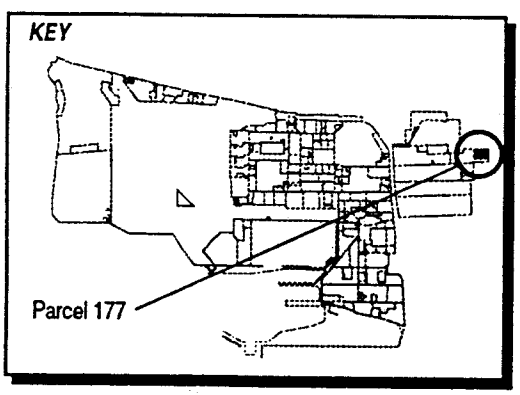
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 177, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies an Installation Restoration Program site and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling







LEGEND

- Storm Sewer Line
- Sewer Line
- Catch Basin or Manhole

Note: No screening - level sampling is recommended for Parcel 177.

1"= 125'

Figure 6-177-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
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was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 98, 99, 100, 103, 170, 171, 172, 173, 174, 175, 176, 178, 179, 180, 181, 182, 183, 184 and 212. This parcel zone has been designated the Housing Zone (Zone 16). The Housing Zone encompasses the parcels that are primarily residential and commercial (e.g., the Navy Lodge). During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 16.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, wetlands occupied the parcel area. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Buildings 365 and 366) and one structure (Structure 367) cover approximately 15 percent of the parcel. The remaining 85 percent is open space. The parcel is presently in use as a storage area. Sewer lines present at this parcel are shown in Figure 6-174-1. Staining observed around the storm drains during the site inspection indicates that the storm sewer may have been impacted.

Parcel 177 is contained within the Scrapyard IR site. Previous investigations have been conducted at Parcel 177 and specific data regarding potential chemical occurrence are available. Data from previous and current investigations at the Scrapyard IR site (Parcels 176 and 177) are discussed in the previous and current investigations subsections in this PEP and in both the 1988 ERM-West and the 1993 PRC reports.

Previous and current investigations that affect parcels within the Housing Zone are also summarized in the Zone Analysis Plan for Zone 16. In addition to comparing the existing data to PRGs, it is recommended that the parcel-specific sampling data be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, background concentrations may represent a more appropriate screening level than the concentrations suggested by the PRGs.

Historical aerial photographs show that persistent surface staining was present on Parcel 177 from approximately 1953 to 1985. Aerial photographs also indicate that aboveground storage tanks and railroad tracks were formerly located on this parcel.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. During the site inspection, potentially lead-based paint was observed peeling from the exteriors of Buildings 365 and 366. Transformer oil is suspected to have been used for dust control in the open space. The transite wallboard on the underside of the welding area in Building 366 is documented to contain asbestos. Asbestos disposal is suspected in the open space.

Based upon building visual inspections, the buildings located on Parcel 177 do not appear to be equipped with heating-ventilation-air conditioning (HVAC) systems. EBS data indicates that such systems are unlikely in these buildings. Activities of potential environmental or industrial hygiene (IH) concern within the parcel's buildings and open spaces are described in detail below.

Previous Investigations

Previous investigations have collected soil, groundwater, air, and soil vapor samples from Parcels 176 and 177. Follow-up detailed evaluations are being conducted by the IR contractor.

As part of a former screening-level sampling effort summarized in the 1988 ERM-West report, a total of 34 soil samples were collected throughout Parcels 176 and 177 (primarily in Parcel 177). These samples were analyzed for priority pollutants including metals, pesticides/PCBs, VOCs, and asbestos. Another screening-level sampling effort documented in the 1993 PRC report indicated that a total of 132 soil samples were collected from locations throughout Parcels 176 and 177. These samples were analyzed for priority pollutants including metals, cyanide, phenolics, pesticides/PCBs, VOCs, and SVOCs.

The 1988 ERM-West report indicates that arsenic was detected at a maximum concentration of 9.4 mg/kg in a soil sample taken near Structure 367, while PCBs and beryllium were detected at maximum concentrations of 1.8 mg/kg and 0.6 mg/kg, respectively, in soil samples collected near Building 365. These concentrations of arsenic, PCBs and beryllium exceeded August 1994 residential preliminary remediation goals (PRGs). In general, soil samples collected near Building 365 had the highest concentrations of metals.

Soil vapor sampling on Parcels 176 and 177 was performed on a 50-foot interval grid. PRC reported detections of TCA, TCE, and TPH in Parcel 177 at maximum concentrations of 0.1, 0.1, and 10,000 µg/L, respectively. Additionally, 17 monitoring wells are located throughout Parcels 176 and 177. Groundwater sampling results from these monitoring wells indicate

that most metals and chlorinated organic compounds detected in groundwater exceed August 1994 U.S. EPA MCLs. Groundwater samples adjacent to or downgradient from Building 365 had the highest concentrations of metals. In addition, air samples were collected and analyzed for lead, arsenic, and asbestos at Parcels 176 and 177. Lead, arsenic, and asbestos were detected at maximum concentrations of 84 ng/SCM, 0.81 ng/SCM, and 0.0039 f/cc, respectively.

As part of the follow-up sampling for Parcels 176 and 177, a radiological survey on a 50-foot interval grid was completed. No areas were identified within Parcel 177 that exceeded one quarter of the permissible radiological dose set by OSHA.

Current Investigations

Current investigations are being performed at the Fleet and Industrial Supply Center Oakland; Alameda Facility and Alameda Annex. This investigation affects parcels in the Housing Zone. The parcels located within 500 feet of the study area include Parcels 171, 172, 173, 174, 175, 176, 177, 178 and 184, 179 and 180, 181, and 182. These parcels were investigated during the 1990s by PRC Environmental Management, Inc. and VERSAR, Inc. A May 1991 report and an October 1993 addendum were prepared by PRC Environmental Management, Inc. and VERSAR, Inc., under contract N62474-88-D-5086, entitled *Remedial Investigation/Feasibility Study Phase II Field Sampling Plan*, summarizes the results of current Phase IIA and IIB investigative plans. A Phase IIC workplan has also been prepared and is currently being implemented. The final RI/FS document is scheduled for delivery to the Navy on March 27, 1995. When all three phases of these current investigations are implemented, approximately 83 soil borings and 40 monitoring wells will be installed throughout the study area.

Building 365

Building 365 was constructed in the early 1930s and covers approximately 19,500 square feet (Figure 6-177-1). This one-story warehouse is constructed of a metal frame, a metal ceiling, and metal walls. The floor is paved with concrete and asphalt. This building initially served as the principal passenger terminal for the San Francisco Airdrome, housing aircraft operated by several commercial carriers until the Airdrome closed in 1941. Building 365 has served as a scrap sorting area since approximately 1941.

Utilities located within and immediately surrounding Building 365 include underground natural gas, sanitary sewer, storm sewer, water, and electrical lines.

Information collected during the EBS indicates that aircraft maintenance activities occurred in this building. These activities involved the use of solvents, cleaning solutions, and paint. Frequent oil leaks and spills also resulted from aircraft maintenance. The building was used for aircraft maintenance between approximately 1930 and 1941. In the ensuing years, the building became an area for scrap operations.

During visual inspection, suspected oil stains were noted throughout the building. Measuring approximately four square feet, the dark-colored stains may be a result of the documented PCB and mercury spills that occurred in this area prior to 1988. Historical data indicate that the Defense Reutilization and Marketing Office (DRMO) responded to the spills in a timely manner. The cleanup methods, however, were not specified.

Site inspections identified several industrial hygiene issues within Building 365. Severe structural damage was noted at the foundation of the building; some of the load-bearing wall supports were also affected. Additionally, potentially lead-based paint was observed peeling from the interior walls.

Three disconnected wall-mounted transformers are present in the building. They appeared to be old and corroded; water damage was probable.

Building 366

Constructed in the early 1950s, Building 366 has primarily served as a storage area for DRMO (Figure 6-177-1). This one-story building is two-thirds vacant and is in poor condition. The walls and ceiling are constructed of wood and the floor is constructed of concrete. The 1,500-square-foot area occupied by Building 366 was formerly part of the San Francisco Airdrome's open space. Currently, a cutting and welding pad and storage pad are present in Building 366.

Utilities located within and immediately surrounding Building 366 include underground natural gas and water lines. During the site inspection, a light-colored stain was noted on the concrete around a floor drain in the southwest corner of Building 366. It is not known whether this floor drain is connected to the storm sewer or the sanitary sewer.

Approximately 50 gallons of gasoline and adhesives are documented to be stored in a steel container in the northern interior of the building. Additionally, there are 150 gallons of oil stored in either steel containers or drums within the building. According to site inspection data, the drums are set on drip catchers and wood pallets. The containers are reported to have staining in and around them. A Conex box containing diesel fuel and hydraulic fluid is present on the storage pads.

Staining, possibly from oil, is present within Building 366. A five-foot-by-four-foot stain was observed on the concrete storage pad. Site inspectors also noted that approximately 60 percent of the plywood and wood pallets beneath a hazardous materials Conex box were stained.

The transite wallboard on the underside of the welding area is documented to contain asbestos. Visual inspections revealed that the wallboard was water-damaged and cracked.

Structure 367

Structure 367 was constructed in the early 1950s and is located in the southwestern portion of the parcel. This structure has a paved floor, multiple wooden walls, and no roof, this compartmental structure is currently used for segregating scrap materials. This structure covers approximately 10,000 square feet on both Parcel 177 and Parcel 176. Site inspection data indicate that the structure is in poor condition. The space occupied by this structure was initially part of the San Francisco Airdrome. According to EBS data, Structure 367 was formerly used as a warehouse.

According to data obtained from visual inspections, leaking materials are present on the foundation of Structure 367. Oily residue from several spools of wire stored at this structure has created a five-foot-by-five-foot stain on the concrete floor. A similar oily stain, approximately 35 square feet in size, is located on the nearby concrete and dirt.

Open Space I

Open Space I is defined as the area immediately surrounding Building 365, Building 366, and Structure 367. This space occupies approximately 10 percent of the parcel. The ground surface of Open Space I is composed of bare soil, asphalt, and concrete. Both the paved and unpaved areas are in poor condition.

EBS information indicates that storage activities associated with Building 365, Building 366, and Structure 367 were conducted in Open Space I. Storage activities involved the processing of transformers, capacitors, lead-acid batteries, and metal scrap (possibly cadmium- and nickel-plated). Historical data indicate that transformer oil was spread on the ground for dust control and that asbestos may have been disposed of in the area. The areas around Buildings 366 and 367 were formerly part of a runway used by the San Francisco Airdrome. Typical chemical handling and use associated with aircraft care in the 1930s may be of potential concern.

Photographs taken by site reviewers show the storage of drums against the exterior of Building 365. The types of chemicals, if any, stored in these drums were not noted.

Ongoing spills of oil and hydraulic fluid are documented in EBS information files. Site inspection data indicate that scattered stains are located throughout Open Space I. These stains, which range in size from one foot to two feet in diameter, appear to originate from the forklifts and cranes used at the Scrapyard. There are no reports of cleanup; however, during visual inspection of this parcel, a worker was seen sweeping soil over a spill that was caused by forklift maintenance activities.

One pad-mounted transformer was noted in Open Space I. The side of this transformer was labeled "sampled 3/23/94 S.O./D.C." An oil/vacuum switch is located northeast of Building 365.

Open Space II

Open Space II, which is located in the northern portion of Parcel 177, covers approximately 15 percent of the parcel.

The ground surface of Open Space II is primarily bare soil and deteriorated asphalt. The poor condition of Open Space II and materials strewn about the parcel make it difficult to identify both the ground type and potential staining in the area.

EBS information indicates that storage activities associated with Building 365, Building 366, and Structure 367 were conducted in Open Space II. Storage activities involved the processing of transformers, capacitors, lead-acid batteries, and metal scrap (possibly cadmium- and nickel-plated). Historical data indicate that transformer oil was spread on the ground for dust control and that asbestos may have been disposed of in the area. The area around Building 366 was formerly part of a runway used by the San Francisco Airdrome. Typical chemical handling and use associated with aircraft care in the 1930s may be of potential concern.

Staining was observed on and beneath a portable generator that was stored in Open Space II. The staining appears to be due to spillage or leakage from the generator's fuel tank. One transformer was documented in the northeast corner of the parcel. EBS files also noted the presence of a storm drain in the northwest corner of the parcel.

Although site inspection data indicate that equipment with "radioactive" stickers were stored in Open Space II, the "radioactive" equipment appeared to be safely contained within cases. A recent radiological survey of the parcel

did not indicate the presence of any ionizing radiation exceeding action levels.

Open Space III

Open Space III is defined by the remaining open area in Parcel 177. This space covers approximately 60 percent of the parcel. The ground surface of Open Space III consists of bare soil, concrete, and asphalt. There are monitoring wells throughout the area.

Utilities located within and immediately surrounding Open Space III include underground natural gas, sanitary sewer, storm sewer, water, and electrical lines. Two storm drains in the southeast area of the open space collect runoff from the scrapyard.

EBS information indicates that storage activities associated with Building 365, Building 366, and Structure 367 were conducted in Open Space III. Storage activities involved the processing of transformers, capacitors, lead-acid batteries, and metal scrap (possibly cadmium- and nickel-plated). Historical data indicate that transformer oil was spread on the ground for dust control and that asbestos may have been disposed of in the area. The areas around Buildings 366 and 367 were formerly part of a runway used by the San Francisco Airdrome. Typical chemical handling and use associated with aircraft care in the 1930's may be potential concerns.

PCB-containing oil is documented to have been spilled in this area in 1987. Although the amount of the release is not documented, it is noted that cleanup was accomplished by a private contractor. Another spill involving PCBs and mercury occurred sometime before 1988. Although the method of cleanup is not disclosed, the documents note that DRMO responded quickly to the releases.

One pad-mounted transformer is located near the eastern edge of Open Space III. No leakage from this transformer was noted during the site inspection. According to a label on its side, the transformer was last sampled on 3/23/94.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 177 is bounded by Parcel 176 to the west and south, and the Fleet Industrial Supply Center (FISC) to the east and north. Parcel 176 is part of the Scrapyard IR site. Radiological hazards are of concern on Parcel 176. The 1993 PRC report on the Scrapyard IR site does not indicate that Parcel 177 has been impacted by Parcel 176.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 177, consistent with the objectives described in Section 1 of the Shell Workplan. The available information suggests that this parcel may be reclassified from BRAC Category 7 to BRAC Category 6. Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred. The data gaps shown in Table 6-177-1 must be addressed before this parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, radiological concerns, and the Scrapyard IR site. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are of concern in Buildings 365 and 366. A one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur. Because of the age, poor structural integrity, former activities, and extensive staining associated with Buildings 365 and 366, it is suggested that these buildings be demolished.

As noted earlier, Parcel 177 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., unpaved areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Because pesticide sampling has been conducted for previous investigations, no pesticide sampling is recommended for this parcel.

Once the data gaps in Table 6-177-1 are addressed and the sampling results from previous subsurface investigations are compared to the appropriate screening levels, Parcel 177 may be leased or transferred.

Target Areas and Compounds of Concern

Because subsurface contamination issues are being addressed by the IR Program, no parcel-specific target areas were identified for this parcel. One zone-wide target area was identified at this parcel; however, no zone-wide target area samples are located on this parcel because extensive soil vapor sampling has already been conducted at this parcel.

- Zone 16 Target Area 2 (Filled Wetlands): This parcel does not contain any samples from this zone.

The remaining data gaps (concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological concerns, and the Scrapyard IR site must be resolved before this parcel can be leased or transferred.

TABLE 6-177-1

Summary of Data Gaps
NAS Alameda Parcel 177

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• The Scrapyard IR Site is located on Parcels 177 and 176. Additional subsurface investigation relative to the Scrapyard IR Site is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Parcel 176, Scrapyard IR Site.
Potential Zone-Wide Release Areas	• Filled Wetlands.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, natural gas, and water lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

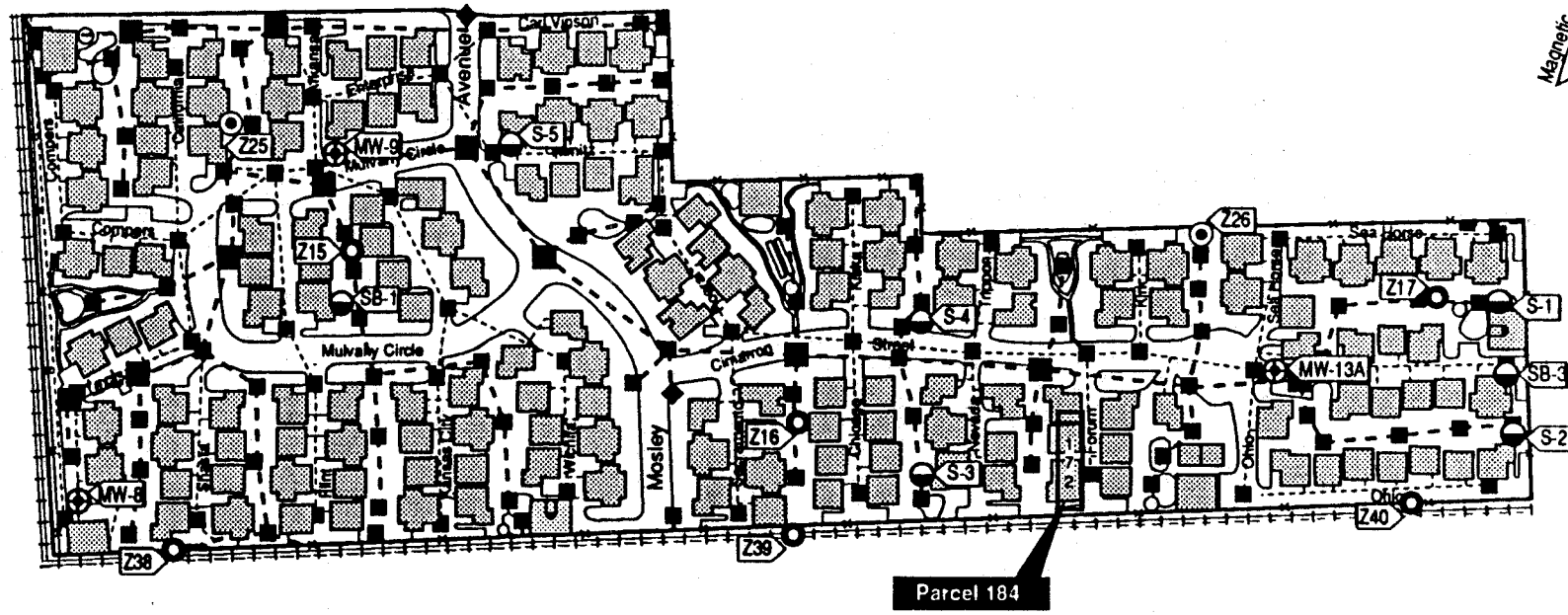
PARCEL 178 & 184 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcels 178 and 184 at NAS Alameda (Figure 6-178-1). Parcel 184 is being considered concurrently with Parcel 178 because the histories and former uses of these parcels are very similar. Parcel 184 is completely contained within Parcel 178 (see Figure 6-178-1). The parcels, which are located in the northeastern portion of the base, are approximately 22.5 acres in size and together are roughly L-shaped. These parcels have been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located on these parcels. No parcel-specific target investigation areas (target areas) have been identified on these parcels; however three zone-wide target areas encompass these parcels. Surface soil and soil vapor sampling will be used to accomplish the screening-level investigation for the zone-wide target areas. Table 6-178-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcels 178 and 184, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcels 178 and 184, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern. Past and present uses of these parcels were determined from site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

These parcels have been grouped into a zone with Parcels 98, 99, 100, 103, 170, 171, 172, 173, 174, 175, 176, 177, 179, 180, 181, 182, 183, and 212. This parcel zone has been designated the Housing Zone (Zone 16). The Housing Zone encompasses the parcels that are primarily residential



LEGEND

- Storm Sewer Line
- Sewer Line
- Soil Vapor Survey Location
- Surface Soil Sample Location
- Boring Location
- Monitoring Well Location
- Sanitary Sewer Manhole
- Catch Basin

1"= 250'

KEY

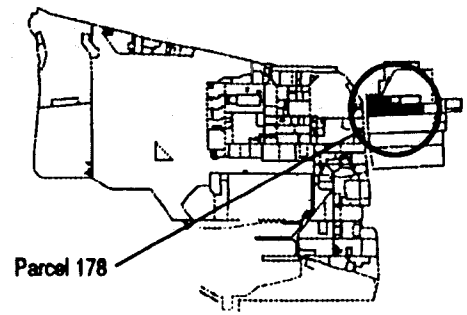


Figure 6-178-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6/94
2121.90.11/AMR/06.28.94

TABLE 6-178-1

Summary of Recommended Samples
NAS Alameda Parcel 178

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Target Analytes	Analytical Method
Z16-15-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 1	Pesticides	CLP RAS
Z16-16-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 1	Pesticides	CLP RAS
Z16-17-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 1	Pesticides	CLP RAS
Z16-25-3-V-S-DDMMYY	3'	SVS	Vapor	Zone 16 Target Area 2	VOCs	GC
Z16-26-3-V-S-DDMMYY	3'	SVS	Vapor	Zone 16 Target Area 2	VOCs	GC
Z16-38-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 3	SVOCs	CLP RAS
Z16-38-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 3	TPH, PCBs, lead	Test Kit, XRF
Z16-38-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 16 Target Area 3	TPH, PCBs, lead	Modified EPA 8015, CLP RAS
Z16-39-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 3	SVOCs	CLP RAS
Z16-39-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 3	TPH, PCBs, lead	Test Kit, XRF
Z16-40-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 3	SVOCs	CLP RAS
Z16-40-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 3	TPH, PCBs, lead	Test Kit, XRF

* This is the suggested location for the confirmatory sample. The actual location will depend on field analytical results.

and commercial (e.g., Navy Lodge). During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 16.

Filling began in the area covered by these parcels in approximately 1930. Prior to this time, wetlands occupied the parcel area. The area within the Parcel 178 and 184 boundaries were completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Approximately 160 family dwellings currently cover approximately 50 percent of these parcels. The remaining 50 percent of the parcels consists of open space. The parcel areas are presently in use as a residential subdivision. One building (Building 369) was formerly located in the southwestern portion of Parcel 178, and Building 172 was formerly located on Parcel 184. Sewer lines are present at these parcels and are shown in Figure 6-178-1.

Parcels 178 and 184 are located to the west of Parcel 176, the Scrapyard Installation Restoration (IR) Program site. Previous investigations have been conducted at Parcel 178, and specific data regarding potential chemical occurrence are available. Parcels 178 and 184 were formerly used as a warehouse area adjacent to the Scrapyard. Parcels 178 and 184 were investigated in a March 1988 report prepared by ERM-West, Inc., under contract N62474-85-D-5627, entitled *Contaminated Site Investigation at the Warehouse and Scrapyard Area*. Two monitoring wells (MW-9 and MW-13) and 10 soil borings were installed on Parcel 178 as part of this previous investigation. A total of 14 soil samples were collected from depths of zero to five feet below ground surface from the 10 soil borings.

Data from soil and groundwater samples collected from the borings and monitoring wells on Parcel 178 between March 1987 and January 1988 are summarized in Tables 6-178-2 and 6-178-3. Only Arsenic was detected in soil samples above August 1994 residential PRG. Groundwater samples collected in August 1987 were above May 1993 USEPA or Cal-EPA MCLs for cadmium, chromium, lead, nickel, and benzene. Only benzene was detected above USEPA and Cal-EPA MCLs in groundwater samples collected in January 1988. Data indicate that activities on Parcel 178 and adjacent parcels have impacted Parcel 178. Current monitoring well data is not yet available to fully characterize the impacts to Parcel 178.

TABLE 6-178-2

March 1987 Soil Sample Results in mg/kg
NAS Alameda Parcel 178

Sample Number	Depth	Arsenic	Cadmium	Chromium	Lead	Nickel
B-9	2'-4'	16	1	56	43	90
B-13	2'-4'	5.9	1	34	14	130
S-1	2'-4'	12	1	53	22	85
S-2	2'-4'	6	1	38	25	37
S-3	2'-4'	8	1	86	31	270
S-4	2'-4'	16	1	62	47	84
S-5	2'-4'	16	1	59	37	79
S-6	2'-4'	4.3	1	150	24	690
SB-1	0.0'-0.5'	3	3	360	9	580
SB-1	1'-1.5'	21	3.5	120	23	80
SB-1	4.5'-5'	8	2.5	90	18	66
SB-3	0.0'-0.5'	6	2.5	190	5	430
SB-3	1'-1.5'	6.2	3	250	18	450
SB-3	4.5'-5'	5.2	1	54	11	48
Detection Limit		0.005	0.001	0.005	0.005	0.05
August 1994 Residential PRGs		1.9	38	380	400	1500

Source: ERM-West, March 1988

TABLE 6-178-3

Groundwater Sample Results in mg/L
NAS Alameda Parcel 178

Sample Number	Date	Arsenic	Cadmium	Chromium	Lead	Nickel	Benzene	Napthalene
MW-9	Aug-87	ND	0.04	0.03	0.32	0.14	0.25	1.1
MW-9	Jan-88	0.009	ND	ND	ND	ND	0.26	7.8
MW-13	Aug-87	ND	0.06	0.07	0.78	0.31	0.57	0.73
MW-13	Jan-88	0.004	ND	ND	ND	ND	0.74	1.8
Detection Limit		0.005	0.001	0.005	0.005	0.05	0.0005	40
USEPA MCL		0.05	0.005	0.1	0.015	0.1	0.005	---
May 1993 CA MCL		0.05	0.01	0.05	0.05	---	0.001	---

Source: ERM-West, March 1988

Construction requirements for the new family housing project for fiscal year 1988 considered the results of the ERM-West, March 1988 report. Based upon the investigation by ERM-West, the top six inches of soil at Parcels 178 and 184 was removed and replaced with a minimum of two feet of clean imported fill. To be able to place residences in this area, the Navy installed an impermeable barrier below building foundations to reduce potential exposure to impacted soil and groundwater. Building foundations for family housing units were underlain by a minimum of 2 inches of sand over a 40 mil impermeable barrier.

Current investigations are being performed at the Fleet and Industrial Supply Center, Oakland Alameda Facility and Alameda Annex. This investigation affects numerous parcels in the Housing Zone. The parcels located within 500 feet of the study area include Parcels 172, 173, 174, 175, 176, 177, 178 and 184, 179 and 180, 181, and 182. These parcels were investigated during the 1990s by PRC Environmental Management, Inc. and VERSAR, Inc. A May 1991 report and an October 1993 addendum were prepared by PRC Environmental Management, Inc. and VERSAR, Inc., under contract N62474-88-D-5086, entitled *Remedial Investigation/Feasibility Study Phase II Field Sampling Plan*, summarizes the results of current Phase IIA and IIB investigative plans. A Phase IIC workplan has also been prepared and is currently being implemented. The final RI/FS document is scheduled for delivery to the Navy on March 27, 1995. When all three phases of these current investigations are implemented, approximately 83 soil borings and 40 monitoring wells will be installed throughout the study area.

Previous and current investigations that affect parcels within the Housing Zone are also summarized in the Zone Analysis Plan for Zone 16. In addition to comparing the existing data to PRGs, it is recommended that the zone-specific sampling data be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, the background concentration may represent a more appropriate screening level than the concentration suggested by the PRGs.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Residential Housing

The residential housing currently located on these parcels was built between 1990 and 1992. The space now occupied by the houses was an open space storage area between the mid 1960s and 1990. Prior to this, the northern section housed a barracks area built in the 1940s. The southwestern portion of Parcel 178 had a large warehouse that was built between 1947 and 1953. The warehouse was demolished between 1985 and 1990. Detailed information about the buildings presently located on the parcel is not available; visual building visual inspections were not conducted within residences.

Utilities located within and immediately surrounding the parcels include underground sanitary sewer, water, natural gas, storm sewer, and electrical lines. Twenty-four small, pad-mounted transformers were noted throughout the parcel. Because of the recent development of the parcel, PCB-containing transformers are not likely to be present. A small oil stain was noted on the concrete pad of a transformer at the north part of Mosley Avenue.

No chemical storage is documented to have occurred in the current or former buildings on the parcels. No other incidents such as fires, mishaps, flooding, crashes, etc., are documented to have occurred within Parcels 178 and 184.

Building 369 (Demolished)

Building 369 (Parcel 178) was constructed in the early 1950s and was used as a warehouse (Figure 6-178-1). This 172,000 square foot building was demolished between 1985 and 1990. A portion of this warehouse was sealed off prior to its demolition due to the deterioration of asbestos fire-proof material.

Building 172 (Demolished)

Building 172 (Parcel 184) was constructed in 1946 and was used as an equipment storage shed. This 5,000 square foot building was demolished between 1990 and 1992. No chemical storage, spills or staining are documented to have occurred in or near Building 172.

Open Space

Open space covers approximately 50 percent of the parcels. The open space of Parcel 178 had been used for vehicle and equipment parking, warehousing of unknown materials, and is currently used for residential and recreational purposes. The open space of Parcel 184 was covered by an equipment storage shed, as described above.

No structures are currently located in the open space on Parcels 178 and 184. The ground surface of the open space consists of 75 percent asphalt and concrete pavement and 25 percent unpaved areas. The pavement is in good condition. The unpaved areas of the open space have been landscaped since 1990. This parcel previously had open space areas that were storage areas from 1960 to 1990.

Utilities located on the parcels include underground sanitary sewers, water, natural gas, electrical, and storm sewer lines. No chemical storage is documented to have occurred on Parcels 178 and 184. No documented spills or staining were noted on the parcel, except for a paint stain on a storm drain that was observed during the site inspection. No incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within Parcels 178 and 184.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at these parcels. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at these parcels.

Parcel Boundary Conditions

Parcel 178 is bounded by Parcels 180 and 181 to the north, Parcel 176 to the east, Parcel 174 to the south, and Main Street to the west. Parcel 184 is bounded by Parcel 178 to the north, west, and east, and Parcel 174 to the south. Parcel 176 (along the eastern border of Parcel 178) is an IR Site (the Scrap Yard). Activities of concern on these adjacent parcels include hazardous materials storage and use. Previous investigations by ERM-West, Inc. and PRC Environmental Management, Inc. have been conducted at Parcels 176, 177, and 178. Data indicate that activities on these parcels have impacted Parcels 178 and 184. Ongoing follow-up sampling and radiological sampling at the Scrap Yard IR site are being performed by the IR contractor.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcels 178 and 184, consistent with the objectives in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another category. The data gaps shown in Table 6-178-4 must be addressed before the parcels can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently ongoing to address the following data gaps: transformers, lead-based paint, asbestos, radiological considerations, and Installation Restoration Sites. Sampling and imaging associated with sewer lines is also addressed separately. Sampling associated sewers is discussed in corresponding protocols presented in Section 3. No Industrial Hygiene (IH) sampling is required for Parcel 178 or Parcel 184 because no industrial buildings are present.

As noted earlier, Parcel 178 previously had open space areas that were unpaved, and currently has open space areas that are landscaped. Parcel 184 was previously covered by Building 172, and currently has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling has been addressed as a zone-wide issue for the parcels located in Zone 16.

As noted earlier, Parcel 178 was previously occupied by wetlands, and may have been impacted by historical (prior to filling) releases or disposal of organic compounds from a nearby oil refinery and two gas manufacturing plants. Subsurface soil samples collected on Parcel 181 as part of the investigation of the Naval Supply Center contained elevated levels of benzene and naphthalene. The soil samples contained a tar-like material. The affected horizon was between 16 and 20 feet below the ground surface (bgs). VOC sampling has been addressed as a zone-wide issue for the parcels located in Zone 16.

Once the data gaps in Table 6-178-4 are addressed and screening-level sampling results from the target areas described below are compared to PRGs and background concentrations, Parcels 178 and Parcel 184 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-178-4

Summary of Data Gaps
NAS Alameda Parcel 178 & 184

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 178 or Parcel 184.
Installation Restoration (IR) Sites	• The Scrapyard IR Site is located adjacent to the east of Parcel 178. Additional subsurface investigation relative to the Scrapyard IR Site is ongoing by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Monitoring wells on Parcel 174 (Hazardous Materials Storage Warehouse) and Parcel 178 indicate the presence of benzene and napthalene in the groundwater.
Potential Zone-Wide Release Areas	• Landscaped or long-term unpaved areas. • Filled wetlands. • Railroad tracks.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-178-4

Summary of Data Gaps
NAS Alameda Parcel 178 & 184

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, natural gas, and water lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

The following zone-wide target areas were identified on Parcel 178 based on possible impacts from activities described above involving potentially hazardous substances.

- Zone 16 Target Area 1 includes all landscaped and currently or formerly unpaved areas within the Housing Zone. The landscaped areas located throughout Parcels 178 and 184 are part of this zone-wide target area. Three of the 21 proposed zone-wide surface soil samples for pesticides are located within Parcels 178 and 184. The samples were located on these parcels to ensure an appropriate distribution of samples throughout the zone-wide target area. The proposed zone-wide target area samples that are located on Parcels 178 and 184 are listed on Table 6-178-1.

- Zone 16 Target Area 2 includes all land area north of Atlantic Avenue within the Housing Zone, which overlie former wetlands. Parcels 178 and 184, which are part of this zone-wide target area, overlie former wetlands. Three of the 14 samples proposed to be collected from this zone-wide target area are located on Parcels 178 and 184. The proposed zone-wide target area samples that are located on Parcels 178 and 184 are listed on Table 6-178-1.

- Zone 16 Target Area 3 includes all current or former railroad tracks within the Housing Zone. The railroad borders the western and southern boundaries of Parcels 178 and 184. Three of the five samples proposed to be collected from this zone-wide target area are located on Parcels 178 and 184. The zone-wide target area samples that are located on Parcels 178 and 184 are listed on Table 6-178-1.

- Zone 16 Target Area 3 includes all current or former railroad tracks within the Housing Zone. Railroad tracks currently located along the western boundary of Parcel 178 and the southern boundaries of Parcels 178 and 184 are part of this zone-wide target area. Seven of the 14 samples proposed to be collected from this zone-wide target area are located on Parcel 170. The proposed zone-wide target area samples that are located on Parcels 178 and 184 are listed on Table 6-178-1.

In addition, data gaps pertaining to transformers, asbestos, lead-based paint, underground lines, and radiological concerns must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Screening-Level Investigation

Two screening-level techniques, surface soil sampling (SOP 3) and soil vapor sampling (SOP 6), will be employed to assess conditions in the zone-wide target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

Table 6-178-1 summarizes the screening-level sampling and analysis recommended for the zone-wide target areas that impact Parcels 178 and 184. Six surface soil samples and two soil vapor samples will be collected from the locations shown on Figure 6-178-1. Sampling will be conducted in accordance with the referenced SOPs Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: subsurface Geoprobe soil sampling (SOP 14), chip sampling (SOP 18), wipe sampling (SOP 20), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

PARCELS 179 AND 180 EVALUATION PLAN

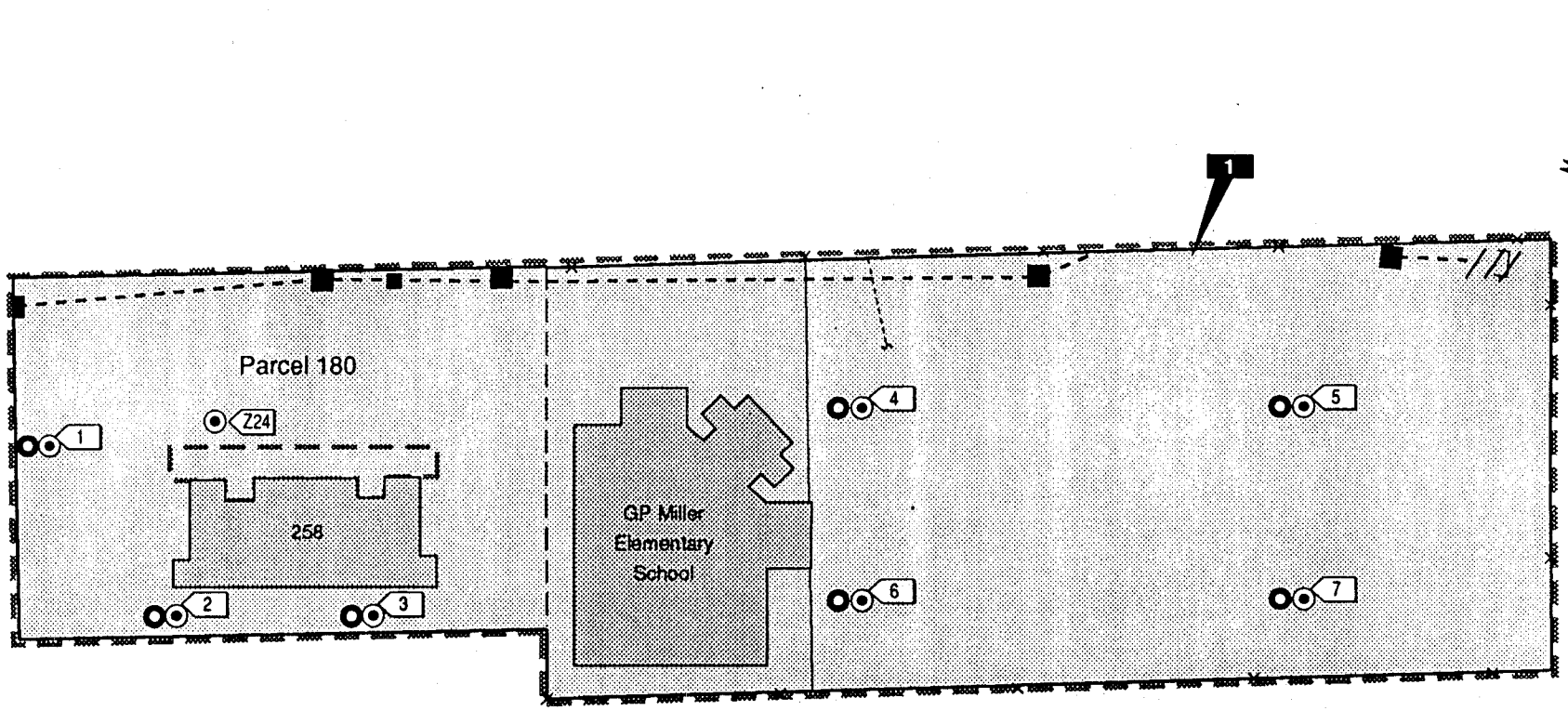
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcels 179 and 180 at NAS Alameda (Figure 6-179-1). Parcel 180 is being considered concurrently with Parcel 179 because the histories, former uses, and current users of these parcels are very similar. Parcel 180 is located to the west of Parcel 179 (see Figure 6-179-1). The parcels, which are located in the northeastern portion of the base, are approximately five acres in size and are roughly rectangular in shape. The parcels have been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located on these parcels. One zone-wide and one parcel-specific target investigation areas (target areas) have been identified on these parcels. Surface soil and soil vapor will be used to accomplish the screening-level investigation for the target areas. Table 6-179-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcels 179 and 180, historical activities are discussed below.

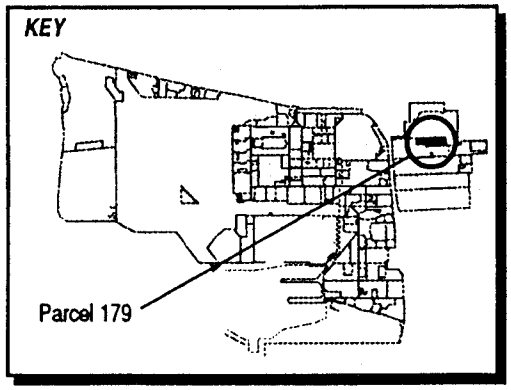
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcels 179 and 180, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of these parcels was determined from the non-intrusive investigation phase which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcels where sampling was deemed necessary to delineate potential impacts of compounds of concern.

These parcels have been grouped into a zone with Parcels 98, 99, 100, 103, 170, 171, 172, 173, 174, 175, 176, 177, 178, 181, 182, 183, 184, and 212.





LEGEND

- Target Area 1
- Storm Sewer Line
- Sewer Line
- Capped
- Sewer Line Abandoned In Place
- Soil Vapor Survey Location
- Surface Soil Sample Location
- Sanitary Sewer Manhole
- Catch Basin

1"=

Figure 6-179-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
212' 'AMR/06.28.94

TABLE 6-179-1

Summary of Recommended Samples
NAS Alameda Parcels 179 and 180

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Target Analytes	Analytical Method
180-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, PCBs, SVOCs, Pesticides, Metals	Modified EPA 8015, CLP RAS
180-1-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	VOCs	GC
180-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, PCBs, SVOCs, Pesticides, Metals	Modified EPA 8015, CLP RAS
180-2-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	VOCs	GC
180-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, PCBs, SVOCs, Pesticides, Metals	Modified EPA 8015, CLP RAS
180-3-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	VOCs	GC
179-4-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	VOCs	GC
179-5-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	VOCs	GC
179-6-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	VOCs	GC
179-7-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, PCBs, SVOCs, Pesticides, Metals	Modified EPA 8015, CLP RAS
179-7-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	VOCs	GC
179-8-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, PCBs, SVOCs, Pesticides, Metals	Modified EPA 8015, CLP RAS
179-8-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	VOCs	GC
179-9-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, PCBs, SVOCs, Pesticides, Metals	Modified EPA 8015, CLP RAS
179-9-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	VOCs	GC
179-10-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, PCBs, SVOCs, Pesticides, Metals	Modified EPA 8015, CLP RAS
179-10-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	VOCs	GC
179-11-0-A-V-DDMMYY	0.0'	Air	Air	Target Area 2	VOCs	CLP RAS
179-12-0-A-V-DDMMYY	0.0'	Air	Air	Target Area 2	VOCs	CLP RAS
179-13-0-A-V-DDMMYY	0.0'	Air	Air	Target Area 2	VOCs	CLP RAS
179-14-0-A-V-DDMMYY	0.0'	Air	Air	Target Area 2	VOCs	CLP RAS
Z16-24-3-V-S-DDMMYY	3.0'	SVS	Vapor	Zone 16 Target Area 2	VOCs	GC

This parcel zone has been designated the Housing Zone (Zone 16). The Housing Zone encompasses the parcels that are primarily residential and commercial (e.g., the Navy Lodge). During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 16.

Filling began in the area covered by these parcels in approximately 1930. Prior to this time, wetlands occupied the parcel area. The area within the Parcel 179 and 180 boundaries was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, the George P. Miller Elementary School and Building 258 (the child care center) cover approximately 30 percent of the Parcels 179 and 180. The remaining 70 percent is open space. The parcel areas are presently in use as a public elementary school. Sewer lines are present at these parcels and are shown in Figure 6-179-1.

Parcels 179 and 180 are located approximately 100 feet west of an Installation Restoration (IR) Program site (The Scrapyard). No previous investigations have been conducted at the parcel and specific data regarding potential chemical occurrence are not available; however, previous investigations have been performed and current investigations are being performed at adjacent parcels. Previous and current investigations affecting adjacent parcels are discussed in the following sections, which are summarized in the Zone Analysis Plan for Zone 16.

In addition to comparing the existing data to PRGs, it is recommended that the parcel-specific and zone-wide sampling data be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, the background concentration may represent a more appropriate screening level than the concentration suggested by the PRGs.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Previous Investigations

Previous and current investigations have been performed at neighboring Parcels 172, 173, 174, 175, 176, 177, and 178. Previous investigations on Parcel 178 and the western portion of Parcel 176 are within 500 feet of the boundaries for Parcels 179 and 180, and will be summarized in this section.

Parcel 178 (along with Parcels 172, 173, 174, 175, 176, and 177) was investigated during 1987 and 1988 by ERM-West, Inc. A March 1988 report prepared by ERM-West, Inc., under contract N62474-85-D-5627, entitled *Contaminated Site Investigation at the Warehouse and Scrapyard Area* summarizes the results of these investigations. As part of these previous investigations, two of 14 monitoring wells (MW-9 and MW-13) and 10 of 52 soil borings were installed on Parcel 178. A total of 14 soil samples were collected from these 10 borings at a depth of zero to five feet below ground surface. Data from soil and groundwater samples collected from the borings and monitoring wells on Parcel 178 are summarized in the PEP for Parcel 178 in Tables 6-178-2 and 6-178-3. Only Arsenic was detected in soil samples above August 1994 Residential Use PRGs. Groundwater samples collected in August 1987 contained concentrations of cadmium, chromium, lead, nickel, and benzene above May 1993 USEPA and Cal-EPA MCLs. However, only benzene was detected above USEPA and Cal-EPA MCLs in groundwater samples collected in January 1988. Current monitoring well data are not available to fully characterize the impacts to Parcel 178.

Construction requirements for the new family housing project for fiscal year 1988 considered the soil data results of the ERM-West, Inc. March 1988 report. Based upon the investigation by ERM-West, the top six inches of soil from Parcels 178 and 184 was removed and replaced with a minimum of two feet of clean imported fill. Prior to construction of residences in this area, the Navy installed an impermeable barrier below building foundations to reduce potential exposure from impacted soil and groundwater. Building foundations for family housing units were underlain by a minimum of 2 inches of sand placed over a 40-mil thick impermeable synthetic barrier.

Four soil borings were installed on the western portion of Parcel 176 by ERM-West in 1987. Six soil samples were collected from these borings at depths of zero to five feet below ground surface. Only arsenic was detected above August 1994 Residential Use PRGs.

A screening-level sampling effort documented in a 1993 report by PRC indicated that a comprehensive soil vapor survey was performed for Parcels 176 and 177. In addition, soil, groundwater, and air samples

were collected throughout Parcels 176 and 177, including the railroad track area.

Soil vapor sampling on Parcels 176 and 177 was performed on a 50-foot interval grid. The 1993 PRC report stated that TCA, PCE, TCE, and TPH were detected in Parcel 176 soil vapor at maximum concentrations of 0.1 µg/L, 100 µg/L, 1 µg/L, and 1,000 µg/L, respectively.

Subsequent, soil boring locations were chosen based on a 150-foot by 150-foot grid, locations of suspected chemicals of concern, potential exposure pathways, and soil vapor survey results. One hundred thirty two soil samples were collected from the soil boring locations. These samples were analyzed for priority pollutants including metals, cyanide, phenolics, pesticides, PCBs, VOCs, and SVOCs. Samples from five of the soil borings were located on the western portion of Parcel 176. The 1993 PRC report indicated the presence of chromium, nickel, and mercury in these soil samples. The concentrations of these metals were all below USEPA's August 1994 industrial PRGs for soil.

One of the four air monitoring sample locations was located on the western portion of Parcel 176. According to the 1993 PRC report, arsenic and lead were detected in the air at concentrations of 0.54 and 51 ng/SCM, respectively.

Four monitoring wells are located on the western portion of Parcel 176. The 1993 PRC report for groundwater sampling results from these four monitoring wells indicated the presence of vinyl chloride, fluorene, naphthalene, and barium. The concentrations were slightly above USEPA and Cal-EPA December 1993 MCLs for most compounds. Any further groundwater investigation requirements will be defined after the screening-level investigation has been completed. The screening-level data collected under this program and the groundwater data to be gathered from new wells at adjacent parcels will be evaluated together to assess the need for any further groundwater investigation.

Current Investigations

Current investigations are being performed at the Fleet Industrial Supply Center, Oakland - Alameda Facility/Alameda Annex. Figure 6-Figure Z-16-2 shows the general site layout of this study area. The sample locations for these investigations are often within 500 feet of Parcels 179 and 180. A May 1991 report and an October 1993 addendum were prepared by PRC Environmental Management, Inc. and VERSAR, Inc., under contract N62474-88-D-5086, entitled *Remedial Investigation/Feasibility Study Phase II Field Sampling Plan*, summarizes the results of current Phase IIA and IIB investigative

plans. A Phase IIC workplan has also been prepared and is currently being implemented. The final RI/FS document is scheduled for delivery to the Navy on March 27, 1995. When all three phases of these current investigations are completed, approximately 83 soil borings and 40 monitoring wells will be installed throughout the study area. Soil samples are proposed to be collected at depths of 0.0 feet, 0.5 feet, 2.0 to 2.5 feet, 5.0 to 5.5 feet, and one directly above the soil/groundwater table interface.

Current and proposed boring and monitoring well locations are illustrated in Figure 6-Z16-3 of the Zone Analysis Plan for Zone 16. A total of seven monitoring wells and nine borings are currently being installed throughout the study area. Three of the seven monitoring wells (S45, S46, and S47) are located within Zone 16. The three monitoring wells are within 500 feet of Parcel 179 and 180. None of the Phase II-C soil borings are located in Zone 16.

Current results of unvalidated data from soil samples taken in the vicinity of Parcels 179 and 180 are summarized below. The three new wells are located northeast of Parcels 179 and 180 in Parcel 181 as illustrated on Figure 6-181-1. Several compounds were detected in soil samples from these three monitoring well locations including VOCs, SVOCs (including PAHs), TPH, and metals.

VERSAR, Inc. indicated that preliminary soil sampling results at monitoring wells S45, S46, and S47 detected high benzene concentrations at the former wetlands crust (10,000 µg/kg benzene detected at boring S46 at a depth of 16 feet bgs); however analytical results were not available to confirm this assertion. The concentration of benzene in the soil sample at S45 at a depth of 16 feet bgs and S47 at a depth of 17.5 feet bgs were 4 µg/kg and 1,100 µg/kg respectively.

Most SVOCs were detected above both industrial and residential PRGs in soil samples from monitoring wells S45, S46, and S47 between 13.0 and 16.0 feet bgs. Most inorganic compounds were detected below residential August 1994 PRGs; however, arsenic was commonly detected above both industrial and residential August 1994 PRGs and chromium was commonly detected above residential August 1994 California modified PRGs. Most soil samples indicated the presence of aluminum above residential August 1994 PRGs.

TPH-gasoline, TPH-motor oil, and TPH-diesel were detected in soil samples from this study area. TPH-gasoline concentrations ranged from 0.750 mg/kg in monitoring well S45 at 13 feet bgs to 250 mg/kg in monitoring well S47 at 14.5 feet bgs. TPH-motor oil concentrations ranged from 7,100 µg/kg in monitoring well S47 at 5.5 feet bgs to 9,700 mg/kg in monitoring well S47 at 14.5 feet bgs. TPH-diesel

concentrations ranged from 20 mg/kg in monitoring well S47 at 16 feet bgs to 2,500 mg/kg in monitoring well S47 at 14.5 feet bgs.

An abandoned 12,000-gallon underground storage tank (Tank AOC-1), located approximately 800 feet northeast of Parcel 181, was removed in October 1994 as part of an investigation by the NSC Annex IR contractor. Preliminary results of soil and groundwater samples collected during a remedial investigation/feasibility study of the site in the second quarter of 1994 indicate the presence of TPH-gasoline and benzene in the subsurface. TPH-gasoline was detected in soil samples at concentrations ranging from 0.50 mg/kg to 11,000 mg/kg. TPH-gasoline and benzene were detected in water samples at concentrations ranging from 37 µg/L to 430 µg/L and 2 µg/L to 16 µg/L, respectively.

George P. Miller Elementary School

The George P. Miller Elementary School Building (the school) was constructed between 1975 and 1981 and has served as a public elementary school (Figure 6-179-1) since that time. The school is a one-story building constructed with a concrete floor/foundation and a composite roof. The school covers approximately 22,500 square feet and is in good condition. The space occupied by the building was formerly an open space used for storage, parking, and residential housing.

Utilities located within and immediately surrounding the school include underground natural gas, sanitary sewer, storm sewer, water, and electrical lines. No environmental permits appear to have been issued for this building.

Cleaning agents and solvents are documented to have been used in the building and stored in the janitor's room in quantities totaling approximately 110 gallons. Other chemicals including toner, duplicating fluid, glue, and paints are also stored in small quantities throughout the school. The disposition of the used chemicals is not known. No staining was noted in the school during the site inspections or the EBS review.

The building is equipped with an HVAC system. No other incidents such as fires, mishaps, or flooding are documented to have occurred within or near the school.

Building 258

Building 258 was constructed in 1985 and has served as a child care center (Figure 6-180-1) since that time. This building is in good condition. Building 258 has ten classrooms; there is no other available information about the center's construction. There is a wood, modular structure located east of the main building that is used as an office and lending library. The space occupied by Building 258 was formerly open space used for storage and parking between 1963 and 1981. It is not immediately clear from aerial photographs whether the parking/storage area was paved, or consisted of bare ground. Prior to this time the parcel area was part of a residential housing development. The housing was demolished sometime between 1958 and 1963.

Utilities located within and immediately surrounding Building 258 include underground natural gas, sanitary sewer, storm sewer, water, and electrical lines. No permits appear to have been issued for this area.

Less than four gallons of pesticides (drione, ficam W, diazinon 4E, bait blocks), cleaning solvents, and bleach were stored in the building at the time of visual inspections. These chemicals were found in the janitor's closet. Approximately twelve gallons of degreaser, floor polish, and concentrated cleaner were documented during the site inspection. Copier toner is located in the modular office located east of the main building. The process employed at this building for disposing of chemical waste is unknown.

Review of site inspection data and historical records indicates that no documented spills have occurred on this parcel, and no staining was noted during the site inspection.

There is no available information pertaining to an HVAC system in Building 258. The building's water supply was found to contain high levels of lead between 1987 and 1988. Filters are currently used and changed every six months to reduce lead levels in water. Floor tile in the building was sampled and tested for asbestos; none was detected. No incidents such as fires, mishaps, or flooding are documented to have occurred within or near Building 258.

Open Space I

Open Space I covers approximately 40 percent of the parcel, and consists of the open space in Parcel 179. In general, Open Space I is used as a

playground. Historically, Open Space I was used for vehicle parking, storage, and residential housing.

The ground surface of Open Space I is almost completely paved. However, two "play pits" containing bark chips are located immediately east of the school building. Most of the paved area is surfaced with asphalt. The pavement is in good condition. Utilities located within and immediately surrounding the open space on Parcel 179 include underground gas, sanitary sewer, storm sewer, water, and electrical lines.

EBS information indicates that activities conducted within this open space include recreational activities and vehicle parking. No chemicals are documented to have been stored in Open Space I. Two oil-filled transformers on poles are located near the northeast corner of the school building.

No documented spills have occurred in the open space. The only staining noted during the site inspection is a stain located along the base of the brick wall near the southeastern corner of the school. This stain is approximately four feet long. Minor staining related to vehicle parking was also noted in the asphalt parking lot north of the school. No other incidents such as fires, mishaps, or flooding are documented to have occurred within or near the school.

Open Space II

Open Space II covers approximately 30 percent of the parcel, and consists of the open space in Parcel 180. In general, Open Space II is used for parking. A playground and a small landscaped area are also located in this open space.

One pole-mounted transformer is located on Open Space II. It was observed along the western edge of the parcel. The ground surface of Open Space II is 80 percent paved and 20 percent unpaved. Approximately 50 percent of Open Space II is surfaced with asphalt and 40 percent is concrete. The pavement is generally in good condition. The unpaved areas of the open space are covered with landscaping. A storage shed located in front of the center is used to store earthquake supplies.

Numerous buildings were formerly located on Open Space II. Parcel 180 was formerly used for residential housing (prior to 1963), with approximately 60 percent of Parcel 180 existing as grassy and landscaped open space at that time. Utilities located within and immediately surrounding this open space include underground

natural gas, sanitary sewer, storm sewer, water, and electrical lines. No permits appear to have been issued for processes occurring within this open space.

No incidents such as fires, mishaps, or flooding are documented to have occurred within Open Space II.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at these parcels. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at these parcels.

Parcel Boundary Conditions

Parcels 179 and 180 are bounded by Parcels 178 to the south, west, and east, and Parcel 181 to the north. Parcels 178 and 181 are currently residential areas. Parcel 176 is part of the Scrapyard IR Site and is located approximately 150 feet southwest of Parcel 179. Activities of concern on Parcels 176 include storage and disposal of hazardous substances. Previous investigations on Parcels 176 and 178 indicated the presence of heavy metals in the soil and groundwater, and benzene in the groundwater. Current investigations on Parcel 181 indicate the presence of benzene in the soil at the wetlands crust.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcels 179 and 180, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another category. The data gaps shown in Table 6-179-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently ongoing to address the following data gaps at this parcel: asbestos, lead-based paint, transformers, radiological considerations, and Installation Restoration Sites. Sampling and imaging associated with sewer lines is also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3. No industrial

TABLE 6-179-2

Summary of Data Gaps
NAS Alameda Parcel 179 & 180

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 179 or Parcel 180.
Installation Restoration (IR) Sites	• The Scrapyard IR Site is located 150 feet to the east of Parcel 179. Additional subsurface investigation relative to the Scrapyard IR Site is ongoing.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Monitoring wells on Parcel 174 (Hazardous Materials Storage Warehouse), Parcel 181 (Residential) and Parcel 178 (Residential) indicate the presence of benzene, vinyl chloride, fluorene, barium, and napthalene in the groundwater.
Potential Zone-Wide Release Areas	• Filled wetlands.
Potential Parcel-Specific Release Areas	• Open Spaces I and II may have been impacted by activities on Parcels 176 and 177 (the Scrapyard IR Site), and the filled wetlands. • The School Crawl Space may have been impacted by accumulation of VOCs from the filled wetlands.

TABLE 6-179-2

Summary of Data Gaps
NAS Alameda Parcel 179 & 180

Data Gap	Status/Description
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, natural gas, and water lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

hygiene (IH) sampling is required for Parcels 179 and 180 because no industrial buildings are present.

As noted earlier, Parcels 179 and 180 have, and previously had open space areas that are or were unpaved or landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling has been addressed as a zone-wide issue for the parcels located in Zone 16.

As noted earlier, Parcel 179 and 180 were previously occupied by wetlands, and may have been impacted by historical (prior to filling) releases or disposal of organic compounds from a nearby oil refinery and two gas manufacturing plants. Subsurface soil samples collected on Parcel 181 as part of the investigation of the Naval Supply Center contained elevated levels of benzene and naphthalene. The soil samples contained a tar-like material. The affected horizon was between 16 and 20 feet below the ground surface (bgs). VOC sampling has been addressed as a zone-wide issue for the parcels located in Zone 16.

Once the data gaps in Table 6-179-2 are addressed and screening-level sampling results from the target areas described below are compared to PRGs and background concentrations, Parcels 179 and 180 may be reclassified from BRAC category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP discusses the specific parcel target areas and provides an overview of the zone-wide target area. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 16. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Open Spaces I and II): This target area may have been impacted by activities at adjacent Parcels 178 and 181, nearby Parcels 176 and 177 (the Scrapyard IR Site), and the filled wetlands. The target area covers approximately 130,000 square feet. This target area has been classified as having a potential likelihood of impacts.

Three surface soil samples and three soil vapor samples will be collected from three locations in the grassy or unpaved areas of Parcel 180. A total of four surface soil samples and four soil vapor samples will be collected from four locations in the grassy and paved areas of Parcel 179. One soil vapor sample will be collected at the boundary between Parcels 179 and 180 to the west of the George P. Miller Elementary School. Two additional soil vapor samples will be collected on the north and south sides of the George P. Miller School's building foundation on Parcel 179. Samples to be collected in this target area are listed in Table 6-179-1.

- Target Area 2 (The School Crawl Space): This target area may have been impacted by the accumulation of VOCs that may have off-gassed from the filled wetlands. The target area covers approximately 22,500 square feet. This target area has been classified as having a potential likelihood of impacts. A minimum of four environmental air samples will be collected from the crawl space below the school on Parcel 179. Samples to be collected in this target area are listed in Table 6-179-1.

The following zone-wide target area was identified on Parcel 172 based on possible impacts from activities described above involving potentially hazardous substances.

- Zone 16 Target Area 2 (Filled Wetlands): Zone 16 Target Area 2 may have been impacted by historical (prior to filling) releases or disposal of organic compounds from a nearby oil refinery and two gas manufacturing plants. VOC sampling has been addressed as a zone-wide issue for these parcels. As an extra level of caution, VOC sampling is also being addressed as a parcel-specific isssue for these parcels.

Screening-Level Investigation

Three screening-level techniques will be employed to assess conditions in the target area and to identify areas that require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3), soil vapor sampling (SOP 6), and air sampling (SOP 22). Table 6-179-1 summarizes screening-level sampling and analysis for the parcel-specific target area. Seven surface soil, ten soil vapor, and a minimum of four environmental air samples will be collected from the locations shown on Figure 6-179-1.

All soil vapor samples will be analyzed in the field for VOCs. All surface soil samples will be analyzed at a contract laboratory for TPH,

PCBs, SVOCs, pesticides, and metals (including Chromium VI). All air samples will be analyzed at a contract laboratory for the same suite of VOCs that are analyzed for soil vapor samples. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: chip sampling (SOP 18), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Follow-up air sampling of the school crawl space will be performed in the summer season to determine if seasonal temperature increases affect the potential volatilization and accumulation of VOCs in the crawl space. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-180

PARCEL 180 EVALUATION PLAN

The Parcel Evaluation Plan (PEP) describing the proposed evaluation strategy for Parcel 180 at NAS Alameda has been incorporated into the PEP for Parcel 179. Parcel 180 is located to the west of Parcel 179. A child care center is located on Parcel 180. The George P. Miller Elementary School is located on Parcel 179. Parcels 179 and 180 have very similar histories and uses. Parcel 180 is located in the northeastern portion of the base and is approximately two acres in size.

SECTION 6-181

PARCEL 181 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 181 at NAS Alameda (Figure 6-181-1). The parcel, which is located in the northeastern portion of the base, is approximately 29 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. Three parcel-specific and two zone-wide target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and soil vapor sampling. Table 6-181-1 provides the complete list of samples and analyses prescribed by this plan. This PEP has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 181, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 181, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 98, 99, 100, 103, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 182, 183, 184 and 212. This parcel zone has been designated the Housing Zone (Zone 16). The Housing Zone encompasses the parcels that are primarily residential and commercial (e.g., the Navy Lodge). During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data

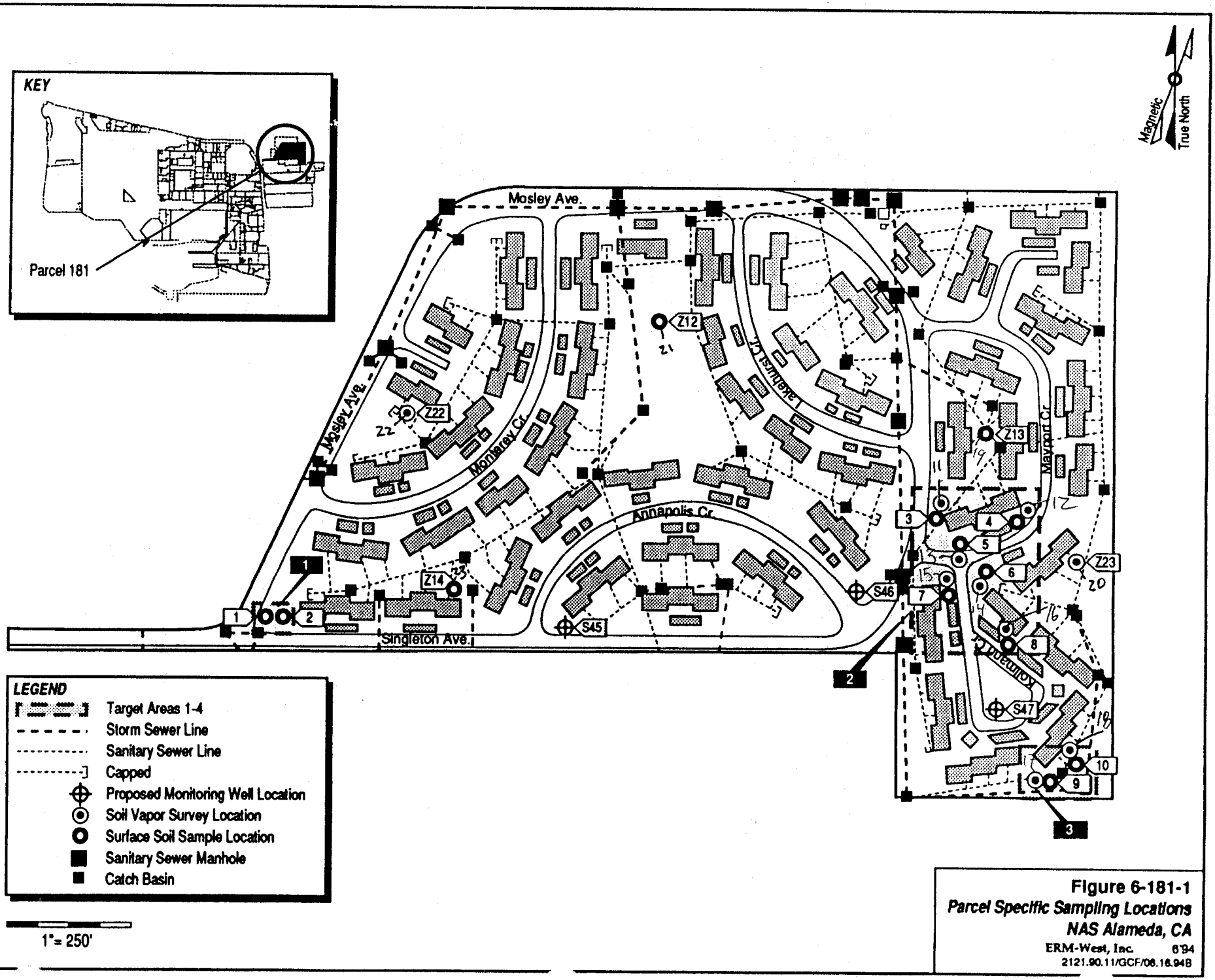


Figure 6-181-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6/94
2121.90.11/GCF/08.16.94B

TABLE 6-181-1

Summary of Recommended Samples
NAS Alameda Parcel 181

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Target Analytes	Analytical Method
181-1-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Metals	XRF
181-2-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Metals	XRF
181-2-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 1	Metals	CLP RAS
181-3-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	TPH, Metals	Test Kit, XRF
181-3-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
181-4-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	TPH, Metals	Test Kit, XRF
181-4-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 2	TPH, Metals	Modified EPA 8015, CLP RAS
181-4-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
181-5-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	TPH, Metals	Test Kit, XRF
181-5-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
181-6-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	TPH, Metals	Test Kit, XRF
181-6-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
181-7-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	TPH, Metals	Test Kit, XRF
181-7-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
181-8-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	TPH, Metals	Test Kit, XRF
181-8-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 2	TPH, Metals	Modified EPA 8015, CLP RAS
181-8-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 2	VOCs	GC
181-9-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	TPH, PCBs, Metals	Test Kits, XRF
181-9-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 3	VOCs	GC
181-10-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	TPH, PCBs, Metals	Test Kits, XRF
181-10-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 3	TPH, PCBs, Metals	Modified EPA 8015, CLP RAS
181-10-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 3	VOCs	GC
Z16-12-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 16 Target Area 1	Pesticides	CLP RAS
Z16-13-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 16 Target Area 1	Pesticides	CLP RAS

TABLE 6-181-1

Summary of Recommended Samples

NAS Alameda Parcel 181

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Target Analytes	Analytical Method
Z16-14-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 16 Target Area 1	Pesticides	CLP RAS
Z16-22-0-V-S-DDMMYY	3'	SVS	Vapor	Zone 16 Target Area 2	VOCs	GC
Z16-23-0-V-S-DDMMYY	3'	SVS	Vapor	Zone 16 Target Area 2	VOCs	GC

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 16.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, wetlands occupied the parcel area. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, 51 buildings and one structure (a sanitary sewage pump station) cover approximately 30 percent of the parcel (Figure 6-181-1). The remaining 70 percent is open space. Aerial photographs from 1947 and 1958 show an area covered with large structures and a configuration of housing units that is different than the current configuration of housing units. These former housing units were reportedly City of Alameda housing projects. The use of the large structures is unknown. Between 1958 and 1963, the housing units at the east end of Parcel 181 were razed, yielding a large open space. In 1969, the remainder of the older housing units were demolished and the present configuration of housing complexes and surface streets was constructed. Sewer lines are present on this parcel and are shown on Figure 6-181-1.

Parcel 181 is located immediately northwest of Parcel 176, which together with Parcel 177, comprises an Installation Restoration (IR) Program site (the Scrapyard). The IR site is part of the Fleet Industrial Supply Center (FISC) Oakland, Alameda Annex, and not part of NAS Alameda. Current investigations are being performed at this facility. This investigation affects parcels in the Housing Zone. The parcels located within 500 feet of the study area include Parcels 171, 172, 173, 174, 175, 176, 177, 178 and 184, 179 and 180, 181, and 182. These parcels were investigated during the 1990s by PRC Environmental Management, Inc. and VERSAR, Inc. A May 1991 report and an October 1993 addendum were prepared by PRC Environmental Management, Inc. and VERSAR, Inc., under contract N62474-88-D-5086, entitled *Remedial Investigation/Feasibility Study Phase II Field Sampling Plan*, summarizes the results of current Phase IIA and IIB investigative plans. A Phase IIC workplan has also been prepared and is currently being implemented. The final RI/FS document is scheduled for delivery to the Navy on March 27, 1995. When all three phases of these current investigations are implemented, approximately 83 soil borings and 40 monitoring wells will be installed throughout the study area.

Three monitoring wells (S45, S46, and S47) are currently being installed on Parcel 181 by the Navy IR contractor as part of the Phase IIC investigation at the Scrapyard IR Site (Figure 6-181-1). Preliminary soil sampling results at these monitoring wells indicate elevated benzene concentrations at the depth of the former wetlands crust (10,000 µg/kg benzene detected at 16 ft below ground surface in boring S46).

An abandoned 12,000-gallon underground storage tank (Tank AOC-1), located approximately 800 feet northeast of Parcel 181, was removed in October 1994 as part of an investigation by the FISC Alameda Annex IR contractor. Preliminary results of soil and groundwater samples collected during a remedial investigation/feasibility study of the site in the second quarter of 1994 indicate the presence of TPH-gasoline and benzene in the subsurface. TPH-gasoline was detected in soil samples at concentrations ranging from 0.5 mg/kg to 11,000 mg/kg. TPH-gasoline and benzene were detected in water samples at concentrations ranging from 37 µg/L to 430 µg/L and 2 µg/L to 16 µg/L, respectively.

Previous and current investigations that affect parcels within the Housing Zone are also summarized in the Zone Analysis Plan for Zone 16. It is recommended that the parcel-specific sampling data be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, background concentrations may represent a more appropriate screening level than the concentrations suggested by the PRGs.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Multiple-Unit Housing

The multiple-unit housing presently on-site was constructed in 1969 and have served Navy personnel and their dependents (Figure 6-181-1). These buildings are generally in good condition. The buildings are two stories tall, constructed of stucco walls, and feature composition tar and gravel roofs. Each complex covers approximately 5,400 to 7,200 square feet.

Utilities located within and immediately surrounding these buildings include underground natural gas, sanitary sewer, storm sewer, water, and electrical lines.

Site inspections, interviews, and a review of historical records, and permits do not suggest that these buildings were used for any significant type of industrial purpose; however, a 1966 aerial photograph shows a stained area on the large open space in the eastern portion of the parcel. This area is currently occupied by housing. The source and composition

of this stain cannot be determined from the aerial photograph. The aerial photographs from 1947 through 1963 also show a collection of larger buildings that do not appear to be housing. These building occupy the eastern half of the parcel. Because detailed information regarding the construction and usage of these buildings is unknown, the former occurrence of industrial processes within the buildings cannot be excluded.

Site inspections of this parcel did not include the interior of housing complexes per instructions provided by the Navy. In addition, because this parcel is exclusively residential, industrial hygiene issues (other than potential ACM or lead-based paint) are not a concern. It is important to note that documents show that two samples collected from Singleton Avenue 103(A) and 2002 Monterey Circle contained lead at concentrations of 9,440 parts per million (ppm) and 47,100 ppm, respectively.

Open Space

The open space covers approximately 70 percent of the parcel. Approximately 20 percent of the open space is paved with asphalt and concrete in good condition. The remaining 80 percent is unpaved and covered with grass.

One structures is located within the open space: Facility 591, a sanitary sewage pump station. Facility 591 is located along the northern edge of the parcel near the southeast corner of Estuary Park. This pump station has a capacity of 1,000 gallons per minute. No chemical storage has been documented for this structure.

Utilities located within and immediately surrounding this open space include underground natural gas, sanitary sewer, storm sewer, water, and electrical lines. Pole-mounted transformers are also located within the open space.

No chemicals are documented to have been stored in the open space. Also, no spills reports were found during document review. No staining other than typical staining related to vehicle parking was noted during the site inspection. No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified

any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 181 is bounded by Parcels 178, 180, 179, and 176 to the south, Parcels 182 and 183 to the west and north, and by the FISC Oakland, Alameda Facility to the east.

Several areas adjacent to Parcel 181 may be sources of potential chemical migration. To the southeast of Parcel 181, Parcels 176 and 177 (the Scrapyard) have been identified collectively as an IR site. This site was used as an airport facility in the 1930s and was converted to its present use in the 1950s. Currently, processes at the Scrapyard include the handling and storage of old electrical equipment, office furniture, aircraft parts, and junked automobiles. Previous site investigations have identified the presence of metals, VOCs, PCBs, and PAHs in the soil, and benzene, naphthalene, barium, and cadmium in the groundwater (see the PEPs for Parcels 176 and 177).

Parcel 178 comprises the former warehouse area, which was included in the above-mentioned site investigations. Soil samples in the northern part of Parcel 178 contained elevated concentrations of nickel and chromium. Benzene and naphthalene were also detected in the groundwater samples collected in this area.

The FISC Oakland (previously the Naval Supply Center (NSC) Oakland) Alameda Facility is situated directly east of Parcel 181. Site inspection data revealed that aircraft engine containers, 55-gallon drums, JP-5 fuel storage tanks, diesel generators, and air compressors were stored at this facility. These items are located immediately adjacent to the northeastern and eastern boundaries of Parcel 181.

If the continuing investigations at any of these nearby sites show a cause for concern at Parcel 181, than additional sampling on Parcel 181 may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 181, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown

in Table 6-181-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, transformers, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

No industrial hygiene (IH) sampling is required for Parcel 181 because no industrial buildings are present.

As noted earlier, Parcel 181 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling in landscaped areas has been addressed as a zone-wide issue for the parcels located in Zone 16.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target areas. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 16. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. Three parcel-specific and two of the three zone-wide target areas were identified at this parcel based on the potential release areas described above and listed in Table 6-181-2.

- Target Area 1 (Southwest Area): Based on soil sampling results in the northern portion of Parcel 178 (former warehouse area), which abuts the southwestern boundary of Parcel 181, elevated concentrations of metals may also be present in Target Area 1. This area has been classified as having a potential likelihood of impacts. Two surface soil samples will be analyzed for metals. Samples to be collected in Target Area 1 are listed in Table 6-181-1.

- Target Area 2 (Southeast Area): Based on stains that were observed in a 1966 aerial photograph, six locations in Target Area 2 will be sampled for VOCs, TPH, and metals. Although the staining was approximately

TABLE 6-181-2

Summary of Data Gaps
NAS Alameda Parcel 181

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 181.
Installation Restoration (IR) Sites	• Scrapyard IR Site adjacent to Parcel 181.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Parcel 178, former warehouse area
Potential Zone-Wide Release Areas	• Landscaped Areas. • Former Wetlands.
Potential Parcel-Specific Release Areas	• Southwest Area (potential release of heavy metals contamination from Parcel 178-former warehouse area) • Southeast Area (Target Area 3, stains observed in 1966 aerial photograph) • Northeast and Eastern Border (adjacent to FISC Oakland storage area) • Southeast Corner (proximity to Parcel 176-Scrapyard IR site)
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

TABLE 6-181-2

Summary of Data Gaps
NAS Alameda Parcel 181

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, natural gas, and water lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

63,000 square feet in area, only six locations will be sampled because of subsequent housing development and accessibility issues. Samples to be collected in Target Area 2 are listed in Table 6-181-1.

- Target Area 3 (Southeast Corner): This corner of the parcel will be targeted as a potential area for VOCs, TPH, metals and PCBs due to its proximity to Parcel 176 and Parcel 177 (Scrapyard IR site). Only two locations will be sampled from this area. Samples to be collected in Target Area 3 are listed in Table 6-181-1.

- Zone 16 Target Area 1 (Landscaped Areas): Zone 16 Target Area 1 includes all landscaped and currently or formerly unpaved areas within the Housing Zone. The landscaped areas located throughout Parcel 181 are part of this zone-wide target area. Three of the 21 proposed zone-wide surface soil samples for pesticides are located in Parcel 181. The samples were located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area. Samples that are located on Parcel 181 are listed on Table 6-181-1.

- Zone 16 Target Area 2 (Filled Wetlands): Zone 16 Target Area 2 includes all former wetlands within the Housing Zone. Two of the 14 proposed zone-wide soil vapor samples for VOCs are located in Parcel 181. The samples were located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area. Samples that are located on Parcel 181 are listed on Table 6-181-1.

Screening-Level Investigation

Two screening-level techniques will be employed to assess conditions in the zone-wide and parcel-specific target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques are surface soil sampling (SOP 3) and soil vapor sampling (SOP 6).

Table 6-181-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 181. Eight soil vapor samples and ten surface soil samples will be collected from the parcel-specific target areas shown on Figure 6-181-1. Two soil vapor samples and three surface soil samples will be collected from the zone-wide target areas on this parcel as shown on Figure 6-181-1. Sampling will be conducted in accordance with the referenced SOPs Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-182

PARCEL 182 EVALUATION PLAN

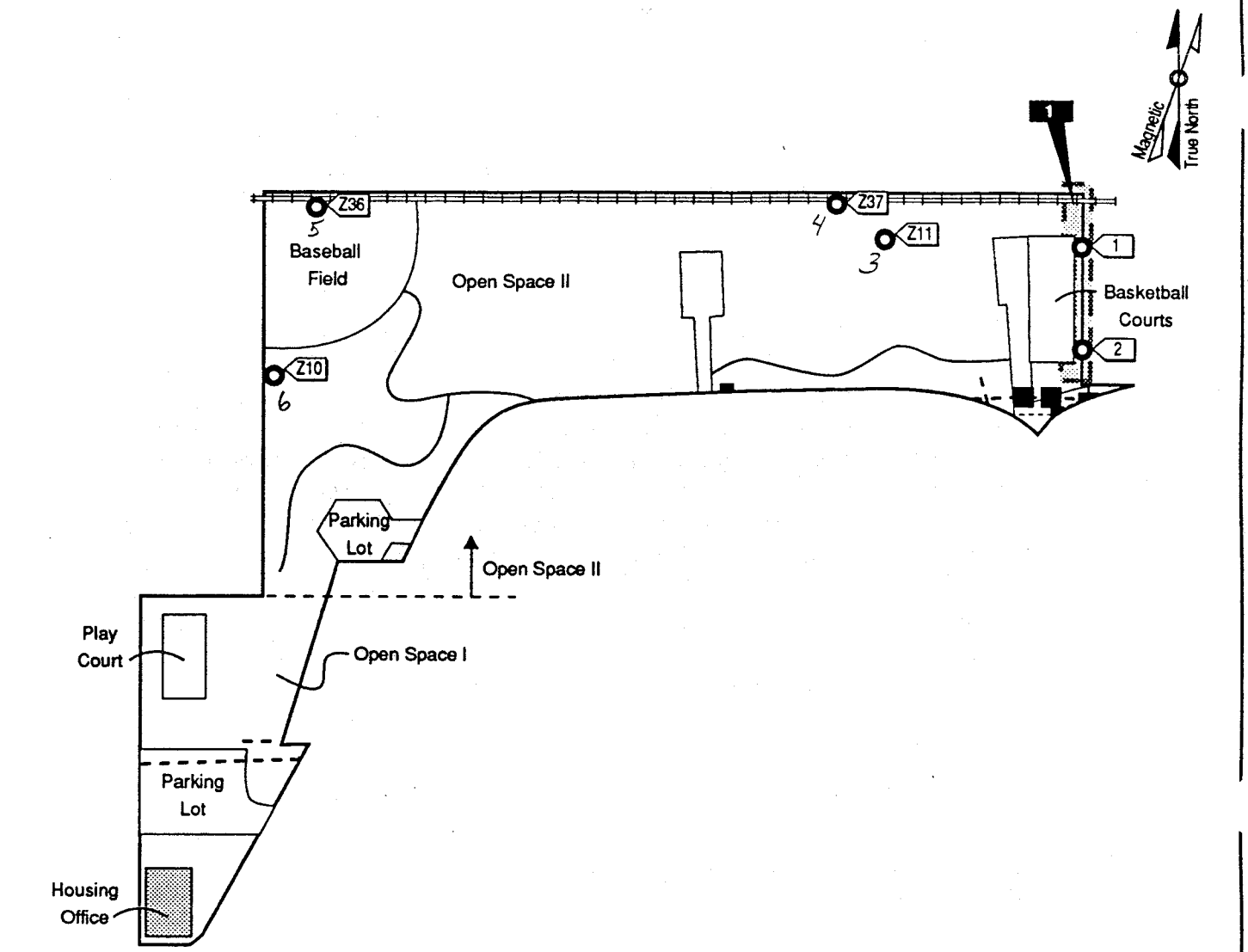
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 182 at NAS Alameda (Figure 6-182-1). The parcel, which is located in the northeastern corner of the base, is approximately 13 acres in size and is roughly shaped like an irregular triangle. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One parcel-specific and three zone-wide target investigation areas (target areas) have been identified on this parcel. Surface soil sampling will be used to accomplish the screening level investigation. Table 6-182-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 182, historical activities are discussed below.

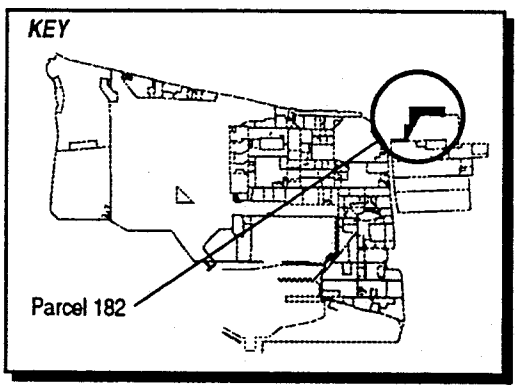
Background and Historical Activities

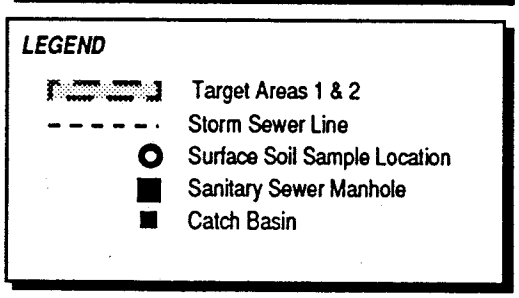
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 182, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 98, 99, 100, 103, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 183, 184 and 212. This parcel zone has been designated the Housing Zone (Zone 16). The Housing Zone encompasses the parcels that are primarily residential and commercial (e.g., the Navy Lodge). During the sampling program development, the parcels located in this zone were evaluated together.







1"= 250'

Figure 6-182-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/06.28.94

TABLE 6-182-1

Summary of Recommended Samples
NAS Alameda Parcel 182

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Target Analytes	Analytical Method
182-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, Metals	Test Kit, XRF
182-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	TPH, Metals	Modified EPA 8015, CLP RAS
182-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, Metals	Test Kit, XRF
Z16-10-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 1	Pesticides	CLP RAS
Z16-11-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 1	Pesticides	CLP RAS
Z16-36-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 3	SVOCs	CLP RAS
Z16-36-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 3	TPH, PCBs, lead	Test Kit, XRF
Z16-37-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 3	TPH, PCBs, lead	Modified EPA 8015, CLP RAS
Z16-37-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 16 Target Area 3	SVOCs	CLP RAS

* The suggested location for the Zone 16 Target Area 3 confirmation sample is found in Parcel 174 and 184. The actual location will depend on field analytical results for this zone-wide target area.

Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 16.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, wetlands occupied the parcel area. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 534) covers less than five percent of the parcel. The remaining 95 percent is open space. The parcel area is presently in use as the housing office building and related support facilities. This was a residential area with barracks from at least 1947 to 1966. Numerous buildings and structures were formerly located on the parcel and were demolished and cleared sometime between 1966 and 1970. Sewer lines are present on this parcel and are shown on Figure 6-182-1.

Parcel 182 is not located near any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 182 and specific data regarding potential chemical occurrence are not available.

Current investigations are being performed at the Fleet and Industrial Supply Center Oakland; Alameda Facility and Alameda Annex. This investigation affects parcels in the Housing Zone. The parcels located within 500 feet of the study area include Parcels 171, 172, 173, 174, 175, 176, 177, 178 and 184, 179 and 180, 181, and 182. These parcels were investigated during the 1990s by PRC Environmental Management, Inc. and VERSAR, Inc. A May 1991 report and an October 1993 addendum were prepared by PRC Environmental Management, Inc. and VERSAR, Inc., under contract N62474-88-D-5086, entitled *Remedial Investigation/Feasibility Study Phase II Field Sampling Plan,* summarizes the results of current Phase IIA and IIB investigative plans. A Phase IIC workplan has also been prepared and is currently being implemented. The final RI/FS document is scheduled for delivery to the Navy on March 27, 1995. When all three phases of these current investigations are implemented, approximately 83 soil borings and 40 monitoring wells will be installed throughout the study area.

Previous and current investigations that affect parcels within the Housing Zone are also summarized in the Zone Analysis Plan for Zone 16. It is recommended that the parcel-specific sampling data be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations

may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, background concentrations may represent a more appropriate screening level than the concentrations suggested by the PRGs.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 534

Building 534 (PWCSFB Housing Office) was constructed between 1990 and 1992 and has served as office space since that time (Figure 6-182-1). This building is in good condition. There is no available information regarding the construction of the Housing Office.

Utilities located within and immediately surrounding Building 534 include underground gas, sanitary sewer, storm sewer, telephone, water, and electrical lines. A transformer associated with Building 534 is present on the parcel. This transformer appeared to site reviewers to have been recently placed (i.e., within the past five years). It is pad-mounted and contained within a metal case. No leakage was noted.

Information collected during the EBS indicates that activities conducted within this building included office type work. Approximately six gallons of cleaners, disinfectants, and vandal remover compounds are documented to have been stored in the janitor's closet. It is unknown how the disposal of used chemicals is accomplished in Building 534. There is no documentation of spills in this building. No staining was noted in the building during the site inspection.

No incidents, such as fires, mishaps, flooding, crashes, etc., are documented to have occurred within Building 534. Potential radiological hazards do not appear to be of concern in this building.

Open Space I

The open space covers over ninety-five percent of the parcel. Open Space I is defined as the recreation area north of Mosley Avenue (Estuary Park). This space takes up approximately 75 percent of the parcel. Open Space I is used for grassy areas, a baseball field, picnic areas, a sport court, and basketball courts. Five percent of the ground

surface of Open Space I is paved with asphalt. Ninety-five percent of the area is unpaved. The paved area consists of basketball and sports courts. The unpaved areas of Open Space I are covered with grass and minor amounts of bare soil. The vegetation is healthy and no stains were observed in the area.

Structures located within Open Space I include Sewage Lift Station 7, along the eastern edge of the parcel, and an abandoned sewage lift station in the northeast corner of the parcel. Painted bleachers were noted on the baseball field, in addition to two control boxes associated with the irrigation system.

Several buildings were formerly located on this open space when it was part of the barracks area. The barracks existed on the parcel from at least 1947 (earliest aerial photograph) to 1966, and were demolished between 1966 and 1970. Utilities located within and immediately surrounding Open Space I include natural gas, sanitary sewer, storm sewer, water, and electrical lines.

An aboveground storage tank (250-gallon capacity) is present off-site to the north of Parcel 182. The tank has a flammable materials label on it. There was a floating object in the estuary on the day of the site inspection; it appeared to be a 10,000-gallon underground storage tank.

No chemical storage, stains or spills are documented to have occurred within Open Space I. No incidents, such as fires, mishaps, flooding, crashes, etc., are documented to have occurred within or near Open Space I.

Open Space II

Open Space II covers approximately 20 percent of the parcel. Open Space II is defined by the area surrounding and immediately north of Building 534. Open Space II is a support facility for Building 534. The ground surface of Open Space II is 90 percent paved and 10 percent unpaved. Approximately 60 percent of this open space is surfaced with asphalt (parking lot) and 30 percent is covered with concrete (sidewalks). The pavement is in good condition. The unpaved area in Open Space II is covered with landscaping. Structures located within this open space include a small storage locker labeled "Self Help Store."

Several buildings were formerly located on this open space when it was part of the barracks area. The barracks existed on the parcel from at least 1947 (earliest aerial photograph) to 1966, and was demolished between 1966 and 1970. Utilities located within and immediately

surrounding Open Space II include natural gas, sanitary sewer, storm sewer, water, and electrical lines.

No chemical storage, stains or spills are documented to have occurred in Open Space II. No incidents, such as fires, mishaps, flooding, crashes, etc., are documented to have occurred within Open Space II.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 182 is bounded by Parcels 183 and 181. Railroad tracks and the Todd Shipyard border Parcel 182 to the north, and the Fleet Industrial Supply Center (FISC) Oakland Alameda Facility borders Parcel 182 to the east. Parcels 181 and 183 are predominantly residential.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 182, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-182-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, a separate investigation is currently underway to address the asbestos, transformer, and lead based paint data gaps at this parcel. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3. No industrial hygiene (IH) sampling is required for Parcel 182 because no industrial buildings are present.

As noted earlier, Parcel 182 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e.,

TABLE 6-182-2

Summary of Data Gaps
NAS Alameda Parcel 182

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 182.
Installation Restoration (IR) Sites	• No IR sites are located on or within 500 feet of Parcel 182.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• The soil and groundwater at the FISC Oakland Alameda Facility east of Parcel 182 may have been impacted by ongoing storage activities at the facility.
Potential Zone-Wide Release Areas	• Landscaped Areas. • Filled Wetlands. • Railroad Tracks.
Potential Parcel-Specific Release Areas	• Potential impacts from Alameda Facility along the eastern boundary.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-182-2

Summary of Data Gaps
NAS Alameda Parcel 182

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, natural gas, and water lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

unpaved areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling in landscaped areas has been addressed as a zone-wide issue for the parcels located in Zone 16.

Once the data gaps in Table 6-182-2 are addressed Parcel 182 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target area and is also contained in all three zone-wide target areas. This subsection of the PEP discusses the specific parcel target area and provides an overview of the zone-wide target areas. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 16. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The two zone-wide target areas identified at this parcel are listed in Table 6-182-2.

- Target Area 1 (Eastern Parcel Boundary): The soil adjacent to the FISC Oakland Alameda Facility east of Parcel 182 may have been impacted by ongoing storage activities at the facility. This target area covers approximately 1,000 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this Target Area are listed in Table 6-182-1.

- Zone 16 Target Area 1 (Landscaped Areas): Zone 16 Target Area 1 includes all landscaped and currently or formerly unpaved areas within the Housing Zone. The landscaped areas located throughout Parcel 182 are part of this zone-wide target area. Two of the 21 proposed zone-wide surface soil samples for pesticides are located in Parcel 182. The samples were located on this parcel to ensure an appropriate distribution of samples throughout the zone-wide target area. Samples that are located on Parcel 182 are listed on Table 6-182-1.

- Zone 16 Target Area 2 (Filled Wetlands): This parcel does not contain any samples from this zone.

- Zone 16 Target Area 3 (Railroad Tracks): Zone 16 Target Area 3 includes all current or former railroad tracks within the Housing Zone. Railroad tracks currently located along the northern boundary of Parcel 182 are part of this zone-wide target area. Two of the five samples proposed to be collected from this zone-wide target area are located on Parcel 182. The proposed zone-wide target area samples that are located on Parcel 182 are listed on Table 6-182-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level technique that will be employed to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-182-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 182. Seven surface soil samples will be collected from the locations shown on Figure 6-182-1. Sampling will be conducted in accordance with the referenced SOPs Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil gas sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-183

PARCEL 183 EVALUATION PLAN

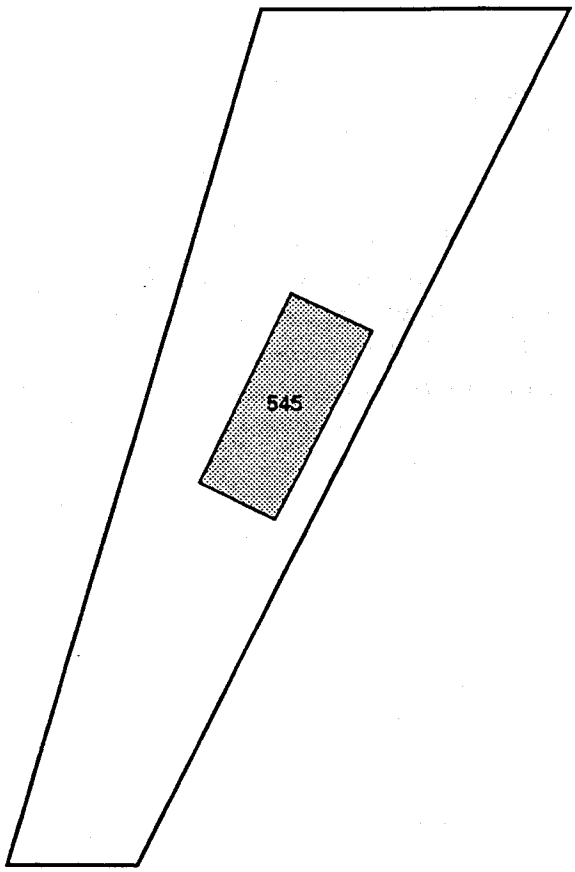
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 183 at NAS Alameda (Figure 6-183-1). The parcel, which is located in the northeast portion of the base, is less than one acre in size and is roughly triangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. Two zone-wide target investigation area (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and soil gas sampling. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 183, historical activities are discussed below.

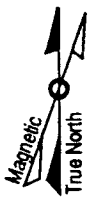
Background and Historical Activities

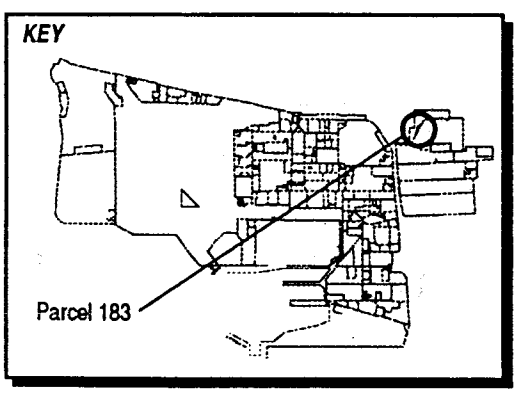
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 183, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies any Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 98, 99, 100, 103, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 184 and 212. This parcel zone has been designated the Housing Zone (Zone 16). The Housing Zone encompasses the parcels that are primarily residential and commercial (e.g., the Navy Lodge). During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the







1"= 60'

Figure 6-183-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/06.28.94

data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 16.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, wetlands occupied the parcel area. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 545) covers approximately 10 percent of the parcel. The remaining 90 percent is open space. The parcel area is presently in use as community center and temporary child care center. Aerial maps show that historically the site was part of a barracks area. The barracks were demolished between 1966 and 1970. Sewer lines are present on this parcel.

Parcel 183 is not located near any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 183 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 545

Building 545 was constructed between 1970 and 1975. It is used as a community and child care center, and appears to have been used for these purposes since its construction. This building is in moderately good condition. Building 545 has wood-faced construction, a concrete foundation, and a composite roof. Building 545 covers approximately 1,800 square feet.

Utilities located within and immediately surrounding Building 545 include underground gas, sanitary sewer, storm sewer, water, and electrical lines. No permits appear to have been issued for this building.

Household cleaning agents and paint are documented to have been stored and used in Building 545. Less than 10 gallons of the cleaning agents and paint were stored in Building 545. One transformer is

present outside Building 545, on the south side. No documented spills have occurred in this parcel, and no staining was noted in or adjacent to Building 545 during the site inspection. No other incidents such as fires, mishaps, or flooding are documented to have occurred within or near Building 545.

Open Space

The open space covers approximately 90 percent of the parcel. The open space is 20 percent paved and 80 percent unpaved. The pavement is generally in good condition. The unpaved areas of the open space are covered with grass, landscaping and bare soil.

EBS information indicates that activities conducted within this open space are recreational and educational. Historically, the open space was used as a barracks area. It later became a vacant field.

Less that 15 gallons of paint and turpentine are documented to have been stored at the north side of the parcel, in a Conex box that rests on the grass. No spills are documented to have occurred in the open space. No staining was noted during the site inspection, except for vehicle staining in the parking area. No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space on Parcel 183.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 183 is bounded by Parcels 181 and 182. The former Todd Shipyard is located to the northwest of Parcel 183. Environmental concerns associated with these areas include potential impacts associated with former shipyard activities.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 183, consistent with the objectives described in Section 1 of the

Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-183-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: asbestos, transformers, and lead-based paint. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3. No industrial hygiene (IH) sampling is required for Parcel 183 because no industrial buildings are present.

As noted earlier, Parcel 183 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Pesticide sampling in landscaped areas has been addressed as a zone-wide issue for the parcels located in Zone 16.

Once the data gaps in Table 6-183-1 are addressed, Parcel 183 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Two of the three zone-wide target areas have been identified for this parcel. No parcel-specific target areas were identified for this parcel. This subsection of the PEP provides an overview of the zone-wide target areas. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 16. The nature and locations of the zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Zone 16 Target Area 1 (Landscaped/Unpaved Areas): This parcel does not contain any samples from this zone.

- Zone 16 Target Area 2 (Filled Wetlands): This parcel does not contain any samples from this zone.

TABLE 6-183-1

Summary of Data Gaps
NAS Alameda Parcel 183

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 183.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 183.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Landscaped Areas. • Filled Wetlands.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, natural gas, and water lines identified.

TABLE 6-183-1

Summary of Data Gaps
NAS Alameda Parcel 183

Data Gap	Status/Description
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

In addition, data gaps pertaining to asbestos, lead-based paint, PCBs, and underground lines must be resolved before this parcel can be reclassified from BRAC Category 7.

SECTION 6-184

PARCEL 184 EVALUATION PLAN

The Parcel Evaluation Plan (PEP) describing the proposed evaluation strategy for Parcel 184 at NAS Alameda has been incorporated into the PEP for Parcel 178. Parcel 184 is a small parcel located entirely within Parcel 178. Parcels 178 and 184 have very similar histories and uses. Parcel 184 is located in the northeastern portion of the base and is less than one acre in size.

SECTION 6-212

PARCEL 212 EVALUATION PLAN

The Parcel Evaluation Plan (PEP) describing the proposed evaluation strategy for Parcel 212 at NAS Alameda has been incorporated into the PEP for Parcel 100. Parcel 212 is a small parcel located entirely within Parcel 100. Parcels 100 and 212 have very similar histories and uses. Parcel 212 is located in the northeastern portion of the base and is less than one acre in size.

SECTION 6-Z17

ZONE 17 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 17 at NAS Alameda (Figure 6-Z17-1). Zone 17 has been designated the Engine Testing and Hazardous Materials Storage Zone and encompasses the parcels that have been or are currently used for engine testing or hazardous materials storage, or related support facilities. Zone 17 is comprised of Parcels 110, 111, 122, 123, 124, 125, 126, 127, 128, 131, 135, 136, 137, 138, and 200. During the sampling program development, the parcels located in this zone were evaluated together. One zone-wide target investigation area (target area) and 22 parcel-specific target areas have been identified in this zone. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface soil sampling. Table 6-Z17-1 provides the complete list of samples and analyses prescribed for this zone, and Figure 6-Z17-1 illustrates all sample locations for the entire zone, including parcel-specific sampling. Four of the parcels in this zone have been tentatively reclassified from BRAC Category 7. Parcels 128, 131, 135, and 137 have been tentatively reclassified to BRAC Category 6. These reclassifications have been proposed pending RASO concurrence.

This zone evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 17, historical activities are discussed below.

Zone 17 Background and Historical Activities

This subsection briefly summarizes EBS information available for buildings, open spaces, and boundaries of Zone 17 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the Parcel Evaluation Plans (PEPs) for the parcels contained in this zone.

TABLE 6-Z17-1

Summary of Recommended Samples
NAS Alameda Zone 17

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z17-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs	SVOCs, PCBs, TPH, Lead	EPA 8270, EPA 8080, Mod. EPA 8015, ICAP Scan
Z17-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs	SVOCs, PCBs, TPH, Lead	EPA 8270, EPA 8080, Mod. EPA 8015, ICAP Scan
Z17-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs	SVOCs, PCBs, TPH, Lead	EPA 8270, EPA 8080, Mod. EPA 8015, ICAP Scan
Z17-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs	SVOCs, PCBs, TPH, Lead	EPA 8270, EPA 8080, Mod. EPA 8015, ICAP Scan
Z17-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs	SVOCs, PCBs, TPH, Lead	EPA 8270, EPA 8080, Mod. EPA 8015, ICAP Scan
Z17-5-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Fuels, Oils, PCBs, Creosote, Tie Tar	TPH, lead, SVOCs, PCBs	Modified EPA 8015, CLP RAS
Z17-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs	SVOCs, PCBs, TPH, Lead	EPA 8270, EPA 8080, Mod. EPA 8015, ICAP Scan
Z17-7-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs	SVOCs, PCBs, TPH, Lead	EPA 8270, EPA 8080, Mod. EPA 8015, ICAP Scan
Z17-8-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs	SVOCs, PCBs, TPH, Lead	EPA 8270, EPA 8080, Mod. EPA 8015, ICAP Scan
Z17-9-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs	SVOCs, PCBs, TPH, Lead	EPA 8270, EPA 8080, Mod. EPA 8015, ICAP Scan

TABLE 6-Z17-1

Summary of Recommended Samples
NAS Alameda Zone 17

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z17-9-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Fuels, Oils, PCBs	TPH, PCBs, Lead, SVOCS	Modified 8015, CLP RAS
Z17-10-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs	SVOCs, PCBs, TPH, Lead	EPA 8270, EPA 8080, Mod. EPA 8015, ICAP Scan
Z17-11-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs	SVOCs, PCBs, TPH, Lead	EPA 8270, EPA 8080, Mod. EPA 8015, ICAP Scan
Z17-12-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs	SVOCs, PCBs, TPH, Lead	EPA 8270, EPA 8080, Mod. EPA 8015, ICAP Scan
Z17-13-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs	SVOCs, PCBs, TPH, Lead	EPA 8270, EPA 8080, Mod. EPA 8015, ICAP Scan
Z17-13-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Fuels, Oils, PCBs	TPH, PCBs, Lead, SVOCs	Modified 8015, CLP RAS

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

Past and present use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs (the non-intrusive investigation[1]). This information was used to determine areas on the zone where sampling was deemed necessary to delineate potential impacts of compounds of concern.

Zone 17, the Engine Testing and Hazardous Material Storage Zone encompasses 15 parcels that have been or are currently used for engine testing and for storage of fuel and other hazardous materials. During the sampling program development, the parcels located in this zone were evaluated together to better address zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of specific parcel concerns is provided in the PEPs for individual parcels.

Filling began in the area covered by this zone in approximately 1930. Prior to this time, the zone area was completely inundated by San Francisco Bay. The zone was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, 21 buildings and five structures cover approximately 30 percent of the zone. The remaining 70 percent is open space. Eleven buildings and one structure were formerly located on the parcel and have since been demolished.

Zone 17 contains three Installation Restoration (IR) Program sites (IR Site 3 (Aviation Gasoline Tanks), IR Site 7B (Building 162, Service Stations), and IR Site 11 (Building 14)). Previous investigations have been conducted at Zone 17, and specific data regarding chemical occurrence at this zone are available. These data are discussed within the appropriate PEP.

Sewer lines present on this zone are illustrated in the individual PEP figures. Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns and asbestos-containing materials on Zone 17 will be addressed in other sampling programs and are not considered in this ZAP.

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1 The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.

Underground Storage Tanks

Two underground storage tanks were formerly present at Parcel 110 (Tanks AV Lube 1 and AV Lube 2). These tanks were installed at an unknown date and were associated with Building 271. Tank AV Lube 1 and Tank AV Lube 2 held automotive lubricant. These tanks had capacities of 22,000 and 2,200 gallons, respectively. The two tanks are listed as RCRA tanks (they were designated an AOC).

One underground storage tank was formerly present at Parcel 111 (Tank 117-1). Tank 117-1 was installed on an unknown date, and was located south of Building 117. This tank was used to store diesel waste and had a capacity of 1,000 gallons. The former presence of this tank was identified from the EBS. Based on the available information, evidence of leakage was found when the tank was removed. This tank has been identified as a RCRA tank based on its former contents and its inclusion in the RFI.

Two inactive underground storage tanks are present at Parcel 123 (Tanks 393-1 and 411-1). The tanks were installed in on an unknown date and are located between Avenue G and Building 393, and west of Building 411, respectively. Tank 393-1 was used to store waste paint and oil, and Tank 411-1 was used to store various solvent products and diesel. Tanks 393-1 and 411-1 have capacities of 500 and 10,000 gallons, respectively. These tanks are scheduled to be removed. Investigation of these former tanks is has not been scheduled. These tanks have been identified as RCRA tanks based on their former contents and their inclusion in the RFI.

Three abandoned underground storage tanks are present at Parcel 124 (Tanks 13-1, 13-2, and 13-3). The tanks were installed at an unknown date and are located immediately west of Building 13 (Figure 6-124-1). The tanks were used to store unknown materials, and have capacities of 2,400 gallons each. An underground tank investigation (ERM-West, 1988) detected oil and grease residual product in all three tanks. According to site personnel, these tanks have not been used for many years. These tanks are scheduled to be removed. These tanks have been identified as RCRA tanks based on their inclusion in the RFI.

Two additional tanks were discovered during the tank removal project at Parcel 124. They were numbered 13-4 and 13-5, and have capacities of 5,000 and 10,000 gallons, respectively. These tanks are reported to have stored lubricating oil. No other information is available regarding these tanks.

Two inactive underground storage tanks are present at Parcel 127 (Tanks 398-1 and 398-2). These tanks were installed in 1969-1970 and

are located between Buildings 398 and 470. The tanks both contain JP-5 product, and have capacities of 10,000 gallons, each. These tanks were precision tested in October 1991 and January 1994, and passed. A remediation plan has been issued for both tanks due to leaking piping and documented soil contamination. Because of the way in which the two tanks are manifolded together, tightness tests could not be performed during the 1987 tank investigation. These tanks are not scheduled for closure until the NADEP closure, and are included in the RCRA Corrective Action Program and RFI.

Two additional USTs, part of a former service station, may potentially exist, or may have been removed from, the south side of Building 398 on Parcel 127. No other information is available regarding these suspect tanks.

Five underground storage tanks were formerly present at Parcel 131 (Tanks 97A, 97B, 97C, 97D, and 97E). These tanks were installed in 1945, were located at the present site of the airplane monument in the center of Parcel 131. These tanks were used to store aviation gasoline, and had a capacity of 100,000 gallons each. Based on the available information, significant releases from these tanks occurred.

Two abandoned underground storage tanks are present at Parcel 135 (Tanks 162-1 and 162-2). The tanks were installed in 1945 and are located north of Building 162. The tanks were used to store gasoline and waste oil, and have capacities of 100 and 150 gallons, respectively. Tank 162-2 was also used to store JP-5. One of these tanks was filled with concrete (the records are unclear about which tank was filled). These tanks are scheduled to be removed. These tanks have been identified as RCRA tanks based on their former contents. One additional tank is listed in the EBS as being located on this parcel. No other information is available regarding this potential tank.

Six inactive underground storage tanks are present at Parcel 137 (Tanks 14-1, 14-2, 14-3, 14-4, 14-5, and 14-6). The tanks were installed in 1940 and are located on the south and southwest sides of Building 14. Tanks 14-1, 14-2, 14-3, and 14-5 were used to store waste oil and have capacities of 10,000 gallons, each, except for Tank 14-5, which has a capacity of 600 gallons. Tank 14-4, a 1,000 gallon tank, stored oil. Tank 14-6, a 600 gallon steel tank, stored gasoline. These tanks are scheduled to be removed. Investigation of these former tanks has not been scheduled. These tanks have been identified as RCRA tanks based on their former use or contents (four of the six tanks were used to store waste oil).

Twenty-two underground storage tanks (USTs) are located at this parcel. All of these tanks are located in the fuel storage region of Area 37, except Tanks 37-13, 37-14, 37-15, and 37-16, which are located in

Open Space II (in the southwestern portion of the open space). All of these tanks at the parcel were installed in 1941. The approximate location of these tanks are shown in Figure 6-138-1. The locations shown in Figure 6-138-1 have been determined from the site inspection and are more accurate than the locations illustrated on the NAS Alameda Impediment Map with Tanks and IR Sites. Twenty of the 22 tanks have capacities of 25,000 gallons each. Seven of these tanks are abandoned (Tanks 37-1, 37-3, 37-4, 37-13, 37-14, 37-15, and 37-16). Eight of these tanks are active (37-5, 37-6, 37-7, 37-8, 37-21, 37-22, 37-23, and 37-24). The other five of these 20 tanks are empty, but are not considered abandoned, and scheduled for closure (Tanks 37-2, 37-9, 37-10, 37-11, and 37-12). Two of the 22 tanks (Tanks 374-1 and 374-2) are located in Area 374 in this parcel and have capacities of 550,000 gallons each. All of the tanks are currently scheduled for removal or closure (the tank removals are being performed by PWC). The tanks at this parcel have been used to store JP-5, aviation gasoline, fuels, solvents, diesel, heavy oils, and combustible liquid wastes. These tanks are identified in combination as RCRA Site SWMU/UST-7. Six other tanks may be located at this parcel. No other information is available regarding these six potential tanks.

RCRA Sites

This zone includes 22 RCRA sites on Parcels 110, 111, 122, 123, 124, 125, 127, 135, 136, 137, and 138. These sites were evaluated consistent with the criteria applied to other potential target areas at the zone. Under these criteria, of the 22 RCRA sites at this zone, five require further investigation as part of the sampling program. In addition, RCRA tanks are being addressed as part of the UST program. Any necessary investigation associated with these tanks will be implemented as part of the UST program. A brief description of each RCRA site is provided in the corresponding PEP. The sampling proposed for the sites that require sampling is also described in the corresponding PEP.

Zone Boundary Conditions

Zone 17 is bounded by Zones 4, 11, 13, 16, 18, 19, 21, and 22. Activities of concern on these adjacent zones include aircraft maintenance and rework on Zone 11, light industrial activities in Zone 13, and former petroleum refining and current heavy industrial activities in Zone 22.

Zone Target Areas and Compounds of Concern

This zone contains one zone-wide target area and 22 parcel-specific target areas. This subsection of the ZAP discusses the specific zone-wide target area and provides an overview of the parcel-specific target areas. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this zone. Detailed information regarding the parcel-specific target areas and the proposed sampling is provided in the PEPs for individual parcels. The nature and locations of the zone-wide and parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

Zone 17 Target Areas

- Zone 17 Target Area 1 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Engine Testing and Hazardous Materials Storage Zone. However, only unpaved tracks or tracks in potential loading and unloading areas will be sampled. Railroad tracks are located throughout the zone. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas for a total of thirteen surface soil samples for this zone target area. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means. The samples to be collected in this target area are listed in Table 6-Z17-1. The approximate sampling locations are shown on Figure 6-Z17-1.

  It should be noted that railroad track sampling will first be performed in the Housing Zone (Zone 16). If investigations there indicate that the potential releases of the compounds of concern are negligible, then the railroad track zone target area may be eliminated in this zone and other zones. Alternately, if the investigations in Zone 16 indicate that only certain compounds of concern are actually associated with the railroad tracks, then sampling may be modified to analyze for the more limited suite of the compounds of concern, only.

Parcel 110 Target Areas

- No parcel-specific target areas were identified at this parcel.

Parcel 111 Target Areas

- No parcel-specific target areas were identified for this parcel.

Parcel 122 Target Areas

- Target Area 1 (Building 112): This target area is the staining area that is associated with the carpentry shop. This target area is less than 1,000 square feet. Compounds of concern within this target area include SVOCs, metals, and TPH. The likelihood of environmental impact is classified as potential. Two surface soil samples will be obtained beneath the two most significant stains.

- Target Area 2 (Open Space): This target area encompasses the painting area located to the north of Building 112. This target area is estimated to cover 1,000 square feet. Compounds of concern within this target area include metals from paints and paint removal by sanding. The likelihood of an environmental concern having occurred in this area is classified as potential. Two surface soil samples will be obtained from this target area.

Parcel 123 Target Areas

- Target Area 1 (Building 98): Building 98 serves as the centralized hazardous waste accumulation point for NAS Alameda. Staining was noted during the site inspection on the deteriorated asphalt floor. The likelihood of environmental impacts are classified as potential in this target area. The target area is defined as the outline of the building, but the potentially affected (stained) area is anticipated to be significantly smaller. Compounds of concern include TPH, VOCs, SVOCs, and metals. Three subsurface soil samples and three surface soil sample will be located in the most heavily stained areas on the ground floor.

- Target Area 2 (Building 263): Heavy staining on the building floor and fuel odors were noted during the site inspection. This target area has been classified as having a potential likelihood of impacts, and covers less than 1,000 square feet. Two surface soil samples will be located beneath the most deteriorated and stained portions of the floor. Soil samples will be analyzed for TPH.

- Target Area 3 (Building 67): Building 67 appears to have always been used for maintenance activities. Staining observed during the site inspection indicate that repair activities are potential sources of releases. Compounds of concern include TPH, SVOCs, PCBs, and metals. Two surface soil samples will be collected from beneath the darkest stains in the shop areas, and one surface soil sample will be collected from beneath the stained areas near the railroad trench that runs through the building.

- Target Area 4 (Southeastern Portion of Open Space II, West Side of Building 112): Staining in historical aerial photographs indicates that spills may have occurred in Target Area 4, which is adjacent to the west side of Building 112. Aircraft support and shop activities have occurred within Building 112 and are potential sources of release. Compounds of concern include TPH, VOCs, SVOCs, and metals. Two surface soil samples and two subsurface soil samples will be located in the open space immediately west of Building 112.

- Target Area 5 (West Side of Building 393): Staining in historical aerial photographs and observed by site inspectors indicates that spills may have occurred in Target Area 5, which is adjacent to the west side of Building 393. A hazardous material storage area is a potential source of releases. Compounds of concern include TPH and metals. Two surface soil samples will be located in the open space immediately west of Building 393.

Parcel 124 Target Areas

- Target Area 1 (Building 13): Extensive floor staining was noted in the southern portion of this building during the site inspection. The central portion of the south wing of the building has been designated a target area to screen for the "worst case" scenario. The exact location of the target area will be determined in the field, and will be defined as the most severely stained area in the southern half of the building. This target area has been classified as having a potential likelihood of impacts, and covers approximately 2,000 square feet. Three surface soil and three subsurface soil samples will be collected from this target area. Compounds of concern include VOCs, SVOCs, PCBs, Metals, and TPH.

Parcel 125 Target Areas

- Parcel 125 Target Area 1 (Stained Area of Building 66): This target area addresses the possible presence of compounds of concern associated with spillage observed during the site inspections. This

target area is not intended to test the area beneath the whole building, but a representative "worst case" area. The target area is defined as the most severely stained area of the building, and is anticipated to cover less than 1,000 square feet. Compounds possible within this target area include VOCs, SVOCs, and TPH. Two surface soil and two subsurface soil samples will be collected from this target area. The likelihood that environmental impacts have occurred in this target area is classified as suspect.

Parcel 126 Target Areas

- Target Area 1 (Building 399): This target area, which consists of a 500-square-foot stain in the northwest portion of Building 399, has been classified as having a potential likelihood of impacts. TPH is the primary compound of concern. Two surface soil samples will be collected in this target area.

- Target Area 2 (Open Space): This target area primarily addresses the possible presence of metals associated with smelting operations and heavy staining observed in 1947 and 1953 aerial photographs. Compounds possible within this target area include metals and TPH. The likelihood of environmental impacts having occurred in this target area is classified as potential. Three surface soil samples will be collected in this target area.

Parcel 127 Target Areas

- Target Area 1 (Building 398, Test Cells): This target area includes the central test cell area of Building 398. The central test cells are intended to be representative of the "worst case" scenario for staining and deteriorated foundation. If field conditions indicate that the staining or condition of the foundation is worse in other areas of the building at the time of sampling, then the sample locations may be adjusted accordingly. The samples in this target area will be analyzed for TPH. This target area has been classified as having a potential likelihood of impacts, and covers approximately 4,000 square feet. Four surface and four subsurface soil samples will be collected from this target area.

- Target Area 2 (GAP Sites 44 and 45): Staining was observed around GAP Sites 44 and 45. This target area that covers less than 1,000 square feet. Because waste chemicals stored in this area include lubricating oil and solvents, samples will be analyzed for TPH, metals, SVOCs, and VOCs. The likelihood of environmental impacts having occurred in this target area is classified as potential.

Two surface soil and two subsurface soil samples will be collected from this target area.

- Target Area 3 (Open Space): This target area addresses the possible presence of compounds of concern associated with smelting operations and heavy staining observed in a 1953 aerial photograph. Although the staining in the aerial photograph covered the entire parcel, this target area has been chosen as a representative area. The representative target area covers approximately 2,500 square feet. Compounds possible within this target area include metals and TPH. The likelihood of environmental impacts having occurred in this target area is classified as potential. Three surface soil samples will be collected in this target area.

Parcel 128 Target Areas

- Target Area 1 (Fuel Dispensing Area): Based on the staining in historical aerial photographs and the uses of former buildings and structures on the parcel, the area surrounding the former buildings was identified as a potential release area. Target Area 1 covers approximately 25,000 square feet. The sampling in this Target Area supplements the sampling proposed by the IR contractor in this area of the parcel. This target area has been classified as having a potential likelihood of impacts. Five surface soil samples will be collected from this target area. Because the sources of release is likely to be fuel products dispensed at these locations, the compounds of concern are TPH and VOCs.

Parcel 131 Target Areas

- No parcel-specific target areas were identified for this parcel.

Parcel 135 Target Areas

- Target Area 1 (Building 162, Central Area): This target area is located in the central portion of Building 162, and encompasses the large stained areas noted during the site inspection. The chemicals of concern in this target area include fuel, lubrication oils, metals from plating solutions, and solvents for parts cleaning. This target area is estimated to occupy the areas of most severe staining and is less than 3,000 square feet. This target area has been classified as having a potential likelihood of impact. Three surface soil and three subsurface soil samples will be collected from this target area.

- Target Area 2 (GAP Site 11): This target area is reportedly a sump for the collection of waste oils. The chemicals of concern in this target area include fuel, lubrication oils, metals from plating solutions, and solvents for parts cleaning. This target area has been classified as having a suspect likelihood of impact. Two subsurface GeoProbe soil samples will be collected from this target area.

Parcel 136 Target Areas

- Parcel 136 Target Area 1 (Building 113, Shop Area): The target area is the shop area of Building 113, which is located on the west side of the building. This target area is intended to be representative of the remainder of the stained area of the building floor, excluding the paint booth. The compounds of concern are metals, VOCs, and SVOCs. The likelihood of impact is potential, and one surface soil sample and one subsurface soil sample will be collected from this target area. The target area is approximately 1,200 square feet in area.

- Parcel 136 Target Area 2 (Building 113, Paint Booth): The target area is the paint booth of Building 113, which is located on the southern portion of the building. The floor is completely and severely stained in this area. The compounds of concern are SVOCs, VOCs, and metals. This target area covers approximately 1,200 square feet and has been classified as having a potential likelihood of impacts. One surface soil sample and one subsurface soil sample will be collected from this target area.

Parcel 137 Target Areas

- Target Area 1 (Building 14): This target area is defined as the areas of significant staining observed in the dyno buildup shop in the southwest corner (300 square foot stain), the main east/west hallway in front of test cells 2 and 3 (240 square foot stain), and test cells 6 (500 square foot stain), 11 (300 square foot stain), and 12 (600 square foot stain). These areas together will serve as a representative "worst case" scenario for the remainder of the building. The chemicals of concern in this target area include fuel, lubricating oils, and solvents. This target area is estimated to occupy approximately 2,500 square feet total and has been classified as having a potential likelihood of impact. Three subsurface soil and five surface soil samples will be collected from this target area.

Parcel 138 Target Areas

- Target Area 1 (Structure 598/GAP 37): This target area encompasses Structure 598 and the associated surrounding area. This target area is established to addresses the possible presence of compounds of concern associated with fuel and hazardous waste storage and releases. The size of this target area is approximately 2,500 square feet. Compounds of concern within this target area include TPH, VOCs, and metals. The likelihood environmental impacts having occurred in this target area is classified as potential. Two surface and two subsurface soil samples will be collected from this target area.

- Target Area 2 (Open Space II): This target area encompasses the donut decommissioning area. This target area is established to addresses the possible presence of compounds of concern associated with potential releases of fuel and waste oil during cleaning of the donuts. The size of this target area is approximately 2,000 square feet. Compounds of concern within this target area include SVOCs, TPH and metals. The likelihood environmental impacts having occurred in this target area is classified as potential.

Parcel 200 Target Areas

- No parcel-specific target areas were identified for this parcel.

Screening-Level Investigation

Two screening-level techniques will be employed to assess conditions in the zone and parcel-specific target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface GeoProbe soil sampling (SOP 14).

Table 6-Z17-1 summarizes screening-level sampling and analysis for the zone target area. A total of 27 subsurface GeoProbe soil samples and 68 surface soil samples will be collected from the locations shown on Figure 6-Z17-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the zone areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil gas sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-110

PARCEL 110 EVALUATION PLAN

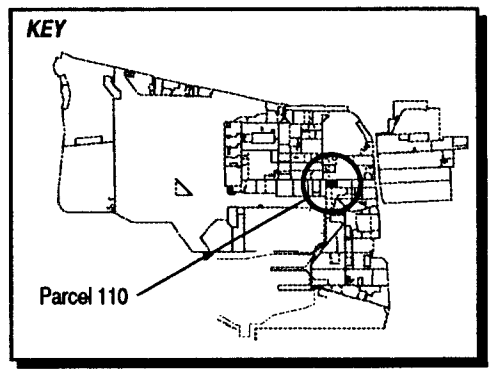
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 110 at NAS Alameda (Figure 6-110-1). The parcel, which is located in the central portion of the base, is 2.6 acres in size and is roughly square in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. Two former tanks were located at this parcel and are listed as site of the RCRA RFI. One zone-wide and no parcel-specific target investigation areas (target areas) were identified on this parcel. Surface soil sampling is the sampling procedure called for in the screening-level investigation in this area. Table 6-110-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 110, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 110, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 111, 122, 123, 124, 125, 126, 127, 128, 131, 135, 136, 137, 138, and 200. This parcel zone has been designated the Engine Testing and Hazardous Materials Storage Zone (Zone 17). The Engine Testing and Hazardous Materials Storage Zone encompasses the parcels that have been used as engine testing, hazardous materials storage, and support facilities. During the

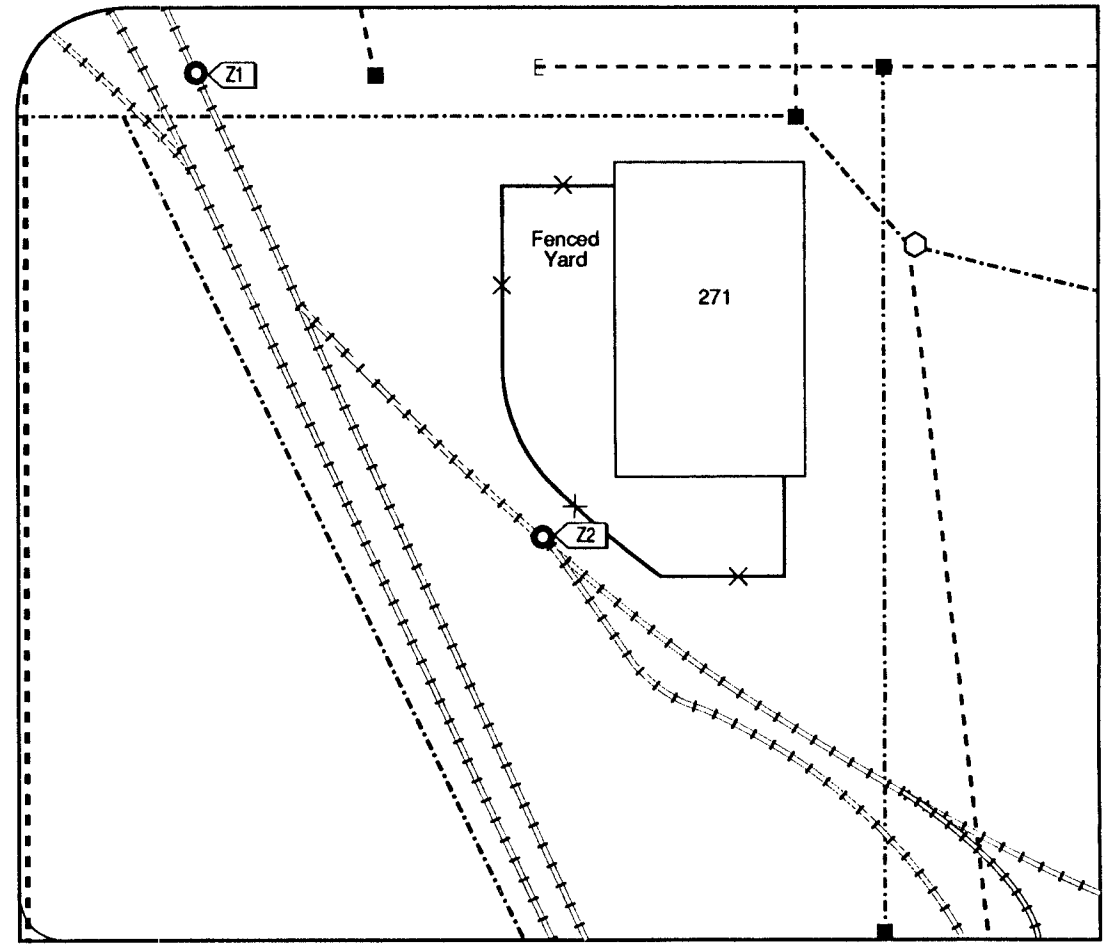


LEGEND

- Steam Line
- Storm Sewer Line
- Sewer Line
- Industrial Waste Line
- Capped
- Surface Soil Sample Location
- Catch Basin
- Catch Basin

Note: No parcel specific sampling is required

1"= 60'



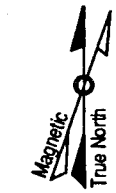


Figure 6-110-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/07.05.94

TABLE 6-110-1

Summary of Recommended Samples
NAS Alameda Parcel 110

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z17-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs, Fuels	SVOCs, PCBs, Lead, TPH	EPA 8270, EPA 8080, ICAP Scan, EPA 8015 Modified
Z17-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs, Fuels	SVOCs, PCBs, Lead, TPH	EPA 8270, EPA 8080, ICAP Scan, EPA 8015 Modified

sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 17.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 271, the Hazardous/Flammable Storehouse) and one structure (Structure 590, Industrial Waste Pump Station #5) cover approximately 20 percent of the parcel. The remaining 80 percent is open space. The parcel area is presently in use for material storage, vehicle parking, disposal, and recycling. Railroad tracks are present in the western and southern portions of Parcel 110. Sewer lines are present on this parcel and are shown on Figure 6-110-1.

Parcel 110 is located approximately 500 feet east of an Installation Restoration (IR) Program site (IR Site 6, Hanger 41 AIMD). Subsurface contamination migration from Parcel 131, IR Site 3, onto parcels located northwest of Parcel 131 is being investigated under the IR program. No previous investigations have been conducted at Parcel 110 and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 271

Building 271 was constructed in 1945 and served as a Hazardous/Flammable Storehouse (Figure 6-110-1). This building is in fair condition. Building 271 is a one story building constructed of a wood frame with chain link walls, an asphalt floor, and wood roof. Building 271 covers approximately 6,100 square feet. No other buildings or structures are documented to have existed in the space covered by Building 271.

Utilities located within and immediately surrounding Building 271 include storm, sanitary, and industrial sewer lines.

Information collected during the EBS indicates that activities conducted within this building have included material storage, vehicle parking, disposal, and recycling. Storage of chemicals, empty drums, gas cylinders, sandblasting grit, secondary containment tubs, and other materials occurred within the building and in the adjacent fenced yard. Storage occurred within Building 271 from 1945 to the present.

Acetylene, sulfur hexafluoride, propane, freon, transmission fluid, paint thinner, chromic acid, sodium fluorosilicate, TCE, floor polish, and monoethanolamine are documented to have been stored in Building 271 during the site inspection.

Review of aerial photographs and site inspection data indicates that undocumented spills may have occurred around Building 271. Dark stains observed on the west side of the building interior appear to be dark oil or grease. The dark staining covers an area measuring approximately six by four feet. White stains observed in the battery charging area appear to be the result of releases of battery acid. The white staining covers an area measuring approximately four by ten feet. Dark oil like stains are located around the AV-lube station, and small scattered stains are located throughout the recycle center yard. These stains area relatively minor, located on concrete, and will not be sampled at this time.

Building 271 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No incidents such as floods, fires, or crashes are documented to have occurred within Building 271.

Structure 590

Structure 590 houses Industrial Wastewater Pump Station #5 and pumps 210 gallons of industrial wastewater per minute. Structure 590 is composed of a concrete vault with a metal grate on top. No stains were noted in the vicinity of this structure.

Open Space

Open space covers approximately 80 percent of the parcel. The open space is used for recyclable material accumulation and railroad tracks.

Structures located within the open space include railroad tracks, constructed prior to 1947, and Structure 590. The ground surface of the

open space is 90 percent paved and 10 percent unpaved. Approximately 50 percent of the paved area is surfaced with asphalt and 50 percent is covered with concrete. The pavement is generally in fair condition. The unpaved areas of the open space are either bare soil or covered with gravel.

Utilities located within and immediately surrounding the open space include storm sewer, steam, fuel and industrial sewer lines.

EBS information indicates that activities conducted within this open space included material storage, vehicle parking, and activities related to the presence of railroad tracks. No spills or staining were noted in this open space.

No incidents such as floods, fires, or crashes are documented to have occurred within the open space.

Underground Storage Tanks

Two underground storage tanks were formerly present at this parcel (Tanks AV Lube 1 and AV Lube 2). These tanks were installed at an unknown date and were associated with Building 271. Tank AV Lube 1 held automotive lubricant. The former contents of Tank AV Lube 2 are unknown, but based on the name of the tank it likely contained aviation lubricants. These tanks had capacities of 22,000 and 2,200 gallons, respectively. The former presence of these tanks was identified from the EBS. No information is available regarding the integrity of the tanks that were removed.

The two tanks are listed as RCRA tanks (they were designated an AOC). Tanks AV Lube 1 and AV Lube 2 were identified as RCRA tanks based on their inclusion in the RFI.

Parcel Boundary Conditions

Parcel 110 is bounded by Parcels 71, 103, 109, 111, 123, and 124. Parcel 110 is located approximately 500 feet east of IR Site 6 (Hanger 41 AIMD), located on Parcel 196. Activities of concern on other adjacent parcels include materials storage on Parcel 124, recycling and vehicle maintenance on Parcel 123, and aircraft maintenance and historical fueling operations on Parcel 71.

Subsurface contamination migration from Parcel 131, IR Site 3, onto parcels located northwest of Parcel 131 is being investigated under the IR program.

No parcels contiguous with Parcel 110 are IR sites, therefore, no sampling is called for in this PEP in response to the two nearby IR sites. If the continuing investigations at the IR sites reveal a cause for continuing concern at Parcel 110, then additional sampling on Parcel 110 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel contained two RCRA tanks (Tanks AV Lube 1 and AV Lube 2) that comprise one RCRA site. Tanks AV Lube 1 and AV Lube 2 were identified as RCRA tanks based on their inclusion in the RCRA Facility Investigation (RFI) for NAS Alameda. The requirements for the RFI are described in detail in Section 8. At NAS Alameda, tanks that would normally require an RFI will be investigated and remediated, if necessary, as part of the UST program. These tanks have been removed. A description of the tanks is provided in the Underground Storage Tank subsection above.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 110, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-110-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, underground storage tanks, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with USTs and sewer lines is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 110 because no industrial buildings are present.

TABLE 6-110-2

Summary of Data Gaps
NAS Alameda Parcel 110

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 110.
Installation Restoration (IR) Sites	• IR Site 6 (Hanger 41 AIMD) is located approximately 500 feet west of Parcel 110. Subsurface contamination migration from IR Site 3, onto parcels located northwest of IR Site 3 is being investigated under the IR program.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• No PCB issues identified.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-110-2

Summary of Data Gaps
NAS Alameda Parcel 110

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• Two underground storage tanks were formerly present at this parcel (Tanks AV Lube 1 and AV Lube 2). Tank AV Lube 1 held automotive lubricant. The former contents of Tank AV Lube 2 is unknown. These tanks had capacities of 22,000 and 2,200 gallons, respectively.
Underground Utilities	• Industrial sewer, storm sewer, and sanitary sewer lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

As noted earlier, Parcel 110 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 110.

Once the data gaps in Table 6-110-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 110 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

One zone-wide target area was identified for Parcel 110. No parcel-specific target areas were identified for this parcel. This subsection of the PEP provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 17. The nature and location zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Zone 17 Target Area 1 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Engine Testing and Hazardous Materials Storage Zone. Railroad tracks are located in the western portion of the parcel. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas. Two of the fifteen surface soil samples for this zone target area are located on this parcel. The three proposed confirmation samples are located on other parcels. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means. The samples to be collected in this target area are listed in Table 6-110-1. The approximate sampling locations are shown on Figure 6-110-1.

In addition, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological issues, nearby IR sites, and USTs must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level technique that will be employed to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

Table 6-110-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 110. Two surface soil samples will be collected from the locations shown on Figure 6-110-1. The samples should be located in the areas with the most significant staining. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: soil gas sampling (SOP 6), subsurface GeoProbe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-111

PARCEL 111 EVALUATION PLAN

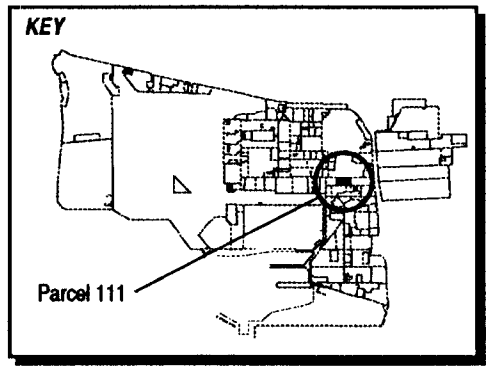
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 111 at NAS Alameda (Figure 6-111-1). The parcel, which is located in the central portion of the base, is approximately 4 acres in size and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. One RCRA site has been identified at this parcel that requires an RFI. One zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. No sampling is called for in the zone-wide target area on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 111, historical activities are discussed below.

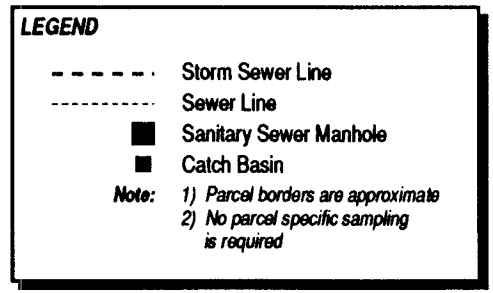
Background and Historical Activities

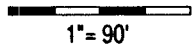
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 111, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

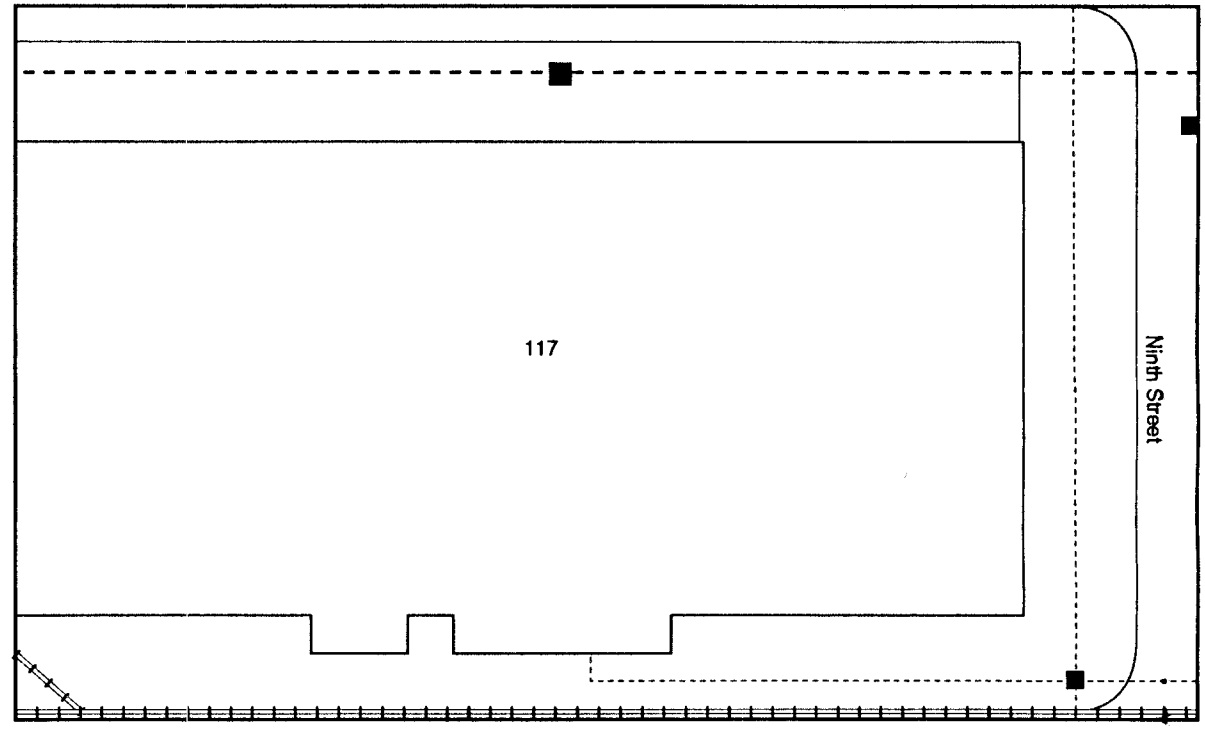
Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 110, 122, 123, 124, 125, 126, 127, 128, 131, 135, 136, 137, 138, and 200. This parcel zone has been designated the Engine Testing and Hazardous Materials Storage Zone (Zone 17). The Engine Testing and Hazardous Materials Storage Zone encompasses the parcels that have been used as engine testing, hazardous materials storage, and support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel









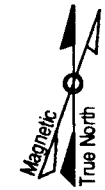


Figure 6-111-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/07.05.94

should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 17.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 117, a warehouse) and railroad tracks cover approximately 60 percent of the parcel. The remaining 40 percent is open space. In general, the parcel area is presently in use for indoor (warehouse) storage, vehicle parking, outdoor storage, sidewalks, and roadways. Sewer lines are present at this parcel and are shown in Figure 6-111–1.

Parcel 111 is located approximately 500 feet west of Installation Restoration (IR) Program site 7A (Service Station). Potential subsurface contaminate migration from Parcel 131, IR Site 3, onto parcels located northwest of Parcel 131 is being investigated under the IR program. No previous investigations have been conducted at Parcel 111 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 117

Building 117 was constructed in 1943 and has served as a general warehouse since that time (Figure 6-111–1). This building is in fair condition. Building 117 is a one-story building and is constructed of a wood frame with metal siding. The building has an asphalt-covered concrete slab floor and wood frame roof with composite roll roofing material. The building is approximately 106,000 square feet in area. No previous use is documented for this area prior to the construction of Building 117. Utilities located within and immediately surrounding Building 117 include sanitary and storm sewer lines.

Information collected during the EBS indicates that activities conducted within this building included general warehouse storage. Warehouse activities involve forklift operation, refueling, and

maintenance. These activities were conducted in the equipment room of Building 117, and typically involve the use or generation of chemicals and wastes including hydraulic fluids, battery acids, and PCB oil.

Motor oil, auto polish, brake fluid, hydraulic fluid, and battery fluid are documented to have been stored and used in the equipment room of Building 117. Approximately 12 gallons of petroleum products and one gallon of corrosives were stored in Building 117 at the time of the site inspection. A chemical inventory dated April 1993 listed a total of 500 gallons of non-halogenated and halogenated organics, paint, petroleum products, and corrosives. Disposal of used chemicals is accomplished by sending them to an off-site collection point.

There are no documented releases in this building. However, site inspection data indicate that small, undocumented releases may have occurred at the east side of the office trailers, in the old file storage area, and in the forklift battery recharging area. These releases are dark, scattered stains and appear to be due to petroleum products. The staining covers approximately 16 square feet in the file storage areas, and 400 square feet in the battery recharging area. Because this staining is relatively minor and has occurred on a concrete surface, no sampling is proposed at this time.

Open Space

Open space covers approximately 40 percent of the parcel. In general, this open space is used for material storage, vehicle parking, and railroad tracks. There are no structures located within the open space. Utilities located within and immediately surrounding this open space include storm and sanitary sewer lines.

EBS information indicates that activities conducted within this open space included material storage and vehicle parking. Railroad tracks are located along the southern boundary of the parcel. Use of the railroad tracks occurred from prior to 1947 to the present.

Grease is documented to have been stored and used in the courtyard section of the open space. Approximately five gallons of grease are currently being stored in the open space. Disposal of used chemicals is accomplished by sending them to an off-site central collection point.

There are no documented releases and review of aerial photographs and site inspection data shows no apparent stains in the open space of Parcel 111.

Underground Storage Tanks

One underground storage tank was formerly present at this parcel (Tank 117-1). Tank 117-1 was installed on an unknown date, and was located south of Building 117. This tank was used to store diesel waste and had a capacity of 1,000 gallons. The former presence of this tank was identified from the EBS. Based on the available information, evidence of leakage was found when the tank was removed. This tank has been identified as a RCRA tank based on its former contents and its inclusion in the RFI.

Parcel Boundary Conditions

Parcel 111 is bounded by Parcels 103, 110, 123, 121, 119, and 197. Parcel 113 is IR Site 7A (the Former Service Station). Activities of concern on adjacent parcels include vehicle maintenance on Parcel 123 and material storage on Parcel 110. Potential subsurface contaminant migration from Parcel 131, IR Site 3, onto parcels located northwest of Parcel 131 is being investigated under the IR program.

No parcels contiguous with Parcel 111 are IR sites, therefore, no sampling is called for in this PEP in response to the nearby IR site. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 111, then additional sampling on Parcel 111 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes one RCRA site (site number UST-8). This tank was identified as a RCRA tank based on its former contents and its inclusion in the RCRA Facility Investigation (RFI) for NAS Alameda. This tank has been removed. A description of the tank is provided in the Underground Storage Tank subsection above. The requirements for the RFI are described in detail in Section 8. At NAS Alameda, RCRA tank sites that would normally require an RFI will be investigated and remediated, if necessary, as part of the UST program.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 111, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-111-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with USTs and sewer lines is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 111 because no industrial buildings are present.

Once the data gaps in Table 6-111-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 111 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

One zone-wide target area was identified for Parcel 111. No parcel-specific target areas were identified for this parcel. This subsection of the PEP provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 17. The nature and location zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Zone 17 Target Area 1 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the

TABLE 6-111-1

Summary of Data Gaps
NAS Alameda Parcel 111

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 111.
Installation Restoration (IR) Sites	• Parcel 111 is located approximately 500 feet west of Installation Restoration (IR) Program site 7A (Service Station). Additional investigation at IR site 7A is proposed by the IR contractor. Subsurface contamination migration from IR Site 3, onto parcels located northwest of IR Site 3 is being investigated under the IR program.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-111-1

Summary of Data Gaps
NAS Alameda Parcel 111

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• One underground storage tank was formerly present at this parcel (Tank 117-1). Tank 117-1. This tank was used to store diesel waste and had a capacity of 1,000 gallons. Evidence of leakage was found when the tank was removed. This tank has been identified as a RCRA tank.
Underground Utilities	• Storm and sanitary sewer lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Engine Testing and Hazardous Materials Storage Zone. Railroad tracks are located in the western portion of the parcel. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas. No surface soil samples for this zone target area are located on this parcel. Soil samples on other parcels will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means.

In addition, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological issues, nearby IR sites, and USTs must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-122

PARCEL 122 EVALUATION PLAN

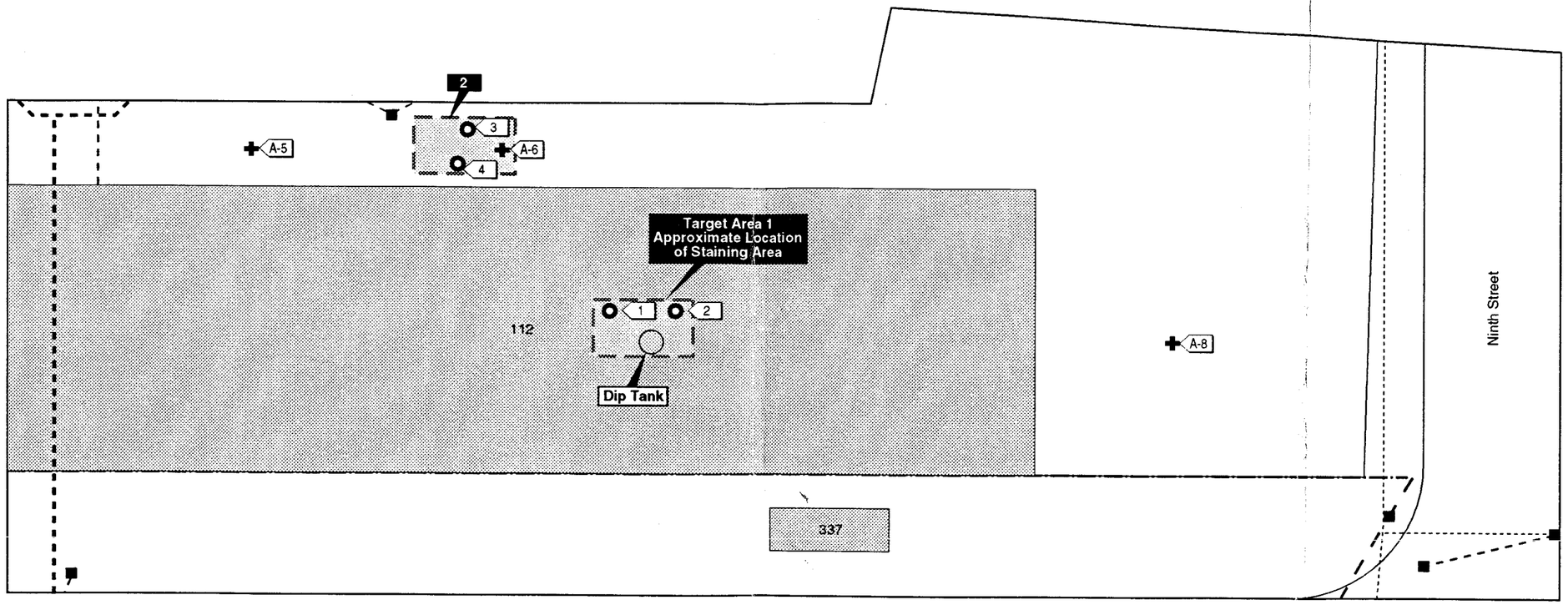
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 122 at NAS Alameda (Figure 6-122-1). The parcel, which is located in the central portion of the base, is approximately two acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. The parcel contains one RCRA site (SWMU/GAP 10). This site is not listed in the Part B permit requiring an RFI. Two parcel-specific target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in this investigation consist of surface soil sampling. Table 6-122-1 provides the complete list of samples and analysis prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 122, historical activities are discussed below.

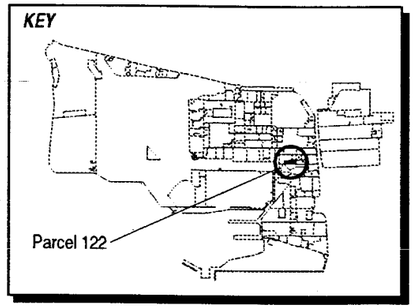
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 122, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 110, 111, 123, 124, 125, 126, 127, 128, 131, 135, 136, 137, 138, and 200. This parcel zone has been designated the Engine Testing and Hazardous Materials Storage Zone (Zone 17). The Engine Testing and Hazardous Materials Storage Zone encompasses the parcels that have been used as engine testing, hazardous materials storage, and support facilities. During the





LEGEND

- Target Areas 1-2
- Steam Line
- Fuel Lines in Use
- Fuel Lines (Abandoned)
- Storm Sewer Line
- Sewer Line
- Surface Soil Sample Location
- Soil Vapor Sample Location (Canonie Environmental, Inc.)
- Catch Basin

1"= 45'

Figure 6-122-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.10/DS/07.13.94

TABLE 6-122-1

Summary of Recommended Samples
NAS Alameda Parcel 122

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
122-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Oils, Metal shavings, Paint	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
122-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Oils, Metal shavings, Paint	TPH, SVOCs, Metals	Modified EPA 8015, CLP RAS
122-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Oils, Metal shavings, Paint	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
122-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Paint, sandblast grit	Metals	ICAP Scan
122-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Paint, sandblast grit	Metals	ICAP Scan
122-4-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 2	Paint, sandblast grit	Metals	CLP RAS

*These are the suggested locations for the confirmation sample. The actual locations will depend on field analytical results.

sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 17.

Filling began in the area covered by this parcel in approximately 1900. Prior to this time, wetlands occupied the parcel area. The area within the parcel boundary was completely filled as of 1915; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Buildings 112 and 337) cover approximately 40 percent of the parcel. The remaining 60 percent is open space. The parcel area is in use by SIMA as a painting and ship repair facility and supporting grounds. Fuel and sewer lines are present at this parcel and are shown in Figure 6-122-1.

No Installation Restoration (IR) Program sites border Parcel 122; however, IR Site 3 (Aviation Gasoline Tanks) and IR Site 7B (the former service station) are located within 500 feet of Parcel 122.

Previous investigations have been conducted at Parcel 122. Four soil vapor samples were obtained at the northern parcel border as part of the investigation of IR Site 3. Locations of these soil vapor samples are shown on Figure 6-122-1. Soil vapor was only analyzed for hydrocarbon-related compounds. Contour maps for soil vapor suggest that Benzene, Toluene, Ethylbenzene, and Xylene in soil vapor underlying the site ranges from 1 to 10 parts per billion in the southeast parcel border.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 112

Building 112 is in moderately good condition. It is constructed of concrete and painted asphalt floors, wood frame, and a tar and wood roof. The building is approximately 34,000 square feet in size.

Utilities located within and immediately surrounding this building include underground sanitary sewer, storm sewers, electrical, potable and fire protection water lines, and steam and condensate lines.

EBS information indicates that this building was present prior to 1947, and that past use of this facility was as an aircraft support facility. Building 112 is currently in use as a supply storeroom, a weight test area, a zinc smelter, a carpentry shop, an upholstery shop, a tool issue shop, and a non-destructive testing lab.

During the site inspection, the following chemical storage issues were noted. Zinc was stored in 55-gallon drums in the zinc smelting area. One hundred gallons of wood glues, sealant, adhesives, bedding compound, wood stains and varnishes, gear oil and paint were stored in a flammable materials locker located in the carpentry shop. Less than 100 gallons of resins, adhesives, roof tar, lubricating oil, car wax, and floor wax were stored in a flammable materials cabinet in the center of the building. Over one hundred gallons of corrosives and lab chemicals (i.e., acetone, alcohol) were noted in hazardous materials lockers in the non-destructive testing laboratory. Petroleum products (such as hydraulic oil, cutting oils, etc.) are stored throughout the building.

No spills have been documented in this building. However, scattered stains were present on the painted asphalt throughout the interior of Building 112. Numerous oil and hydraulic fluid stains were located in building work areas (carpentry shop, wood staining shop, and hydraulic equipment). Building 112 is washed out occasionally. The waste water generated by the washdown of the building is pushed out the front door to parking areas. The staining in the carpentry shops is addressed as Target Area 1.

Many of the steam lines at this building are covered with potential asbestos-containing-material (ACM), including the steam lines that were noted along the roof of the building.

A ventilation system is in use in the non-destructive testing shop and hooked up to the laboratory vent hoods. A former vent system was located over the dip tank in the staining area, and black material was noted inside the vent.

Building 337

Building 337 is a Quonset hut, constructed of corrugated metal ceilings and walls over painted asphalt. The building is approximately 840 square feet in size.

Utilities located within and immediately surrounding this building include underground sanitary sewer, storm sewer, electrical distribution lines, potable and fire protection water lines, and steam and condensate lines.

EBS information indicates that this building has been present since the 1950s. Building 337 is currently in use as a chemical supply storehouse. Chemicals are stored on shelves. Approximately 400 gallons of material are stored in this building, and include: adhesives, battery fluids, enamel paints, latex paints, gasoline, diesel, oils. The following wastes were noted inside this building: one 55-gallon drum of waste oil, one 55-gallon drum of aerosol cans, and various empty paint cans. Rust stains were evident underneath the drums. Absorbent was scattered about the drum of waste oil. Pad-mounted transformers, whose PCB content is not known, are located to the east and west of Building 337.

No spills have been reported in this building. However, the floor of this area exhibits general discoloration throughout. The floor appeared dark and mottled beneath the paint. Building 337 is washed out occasionally. No sampling is proposed in this area because only general discoloration, not staining, was noted by site observers. The resulting wastewater is pushed out the front door to the exterior parking areas.

Open Space

The open space is defined by the parcel boundaries and contains approximately one acre. The open space is paved in part with asphalt, which is in poor condition. Utilities located within and immediately surrounding this open space include fuel lines, sanitary and storm sewers, electrical distribution lines, potable and fire protection water lines, and steam and condensate lines.

Most of the open space surrounding this parcel is used for vehicle and forklift parking. Painting of ship hulls/parts and sanding operations occur in the area north of Building 112. Chemicals stored in this area include lubricating oil, acetone, urethane reducer, reducer, and primer catalyst. Less than 10 gallons of chemicals were noted, but paint containers were stored adjacent to an unpaved area. A fenced storage area is located east of Building 112, containing metal parts, wooden crates and patching of various electronic components, cylinders of compressed gases. Drums of bilge water and absorbent were stored at the northeast building corner. Twenty gallons of paint, 15 gallons of detergent, and packages of grout were also stored here.

No spills have been documented for this parcel. However, stains were noted throughout the open space. Most of these appeared to be associated with vehicle and forklift parking, or with paint overspray. Stains at the north painting area were noted to be particularly heavy over damaged asphalt, and adjacent to unpaved areas. This area is addressed by Target Area 2.

Storm drains surround this open space on all sides, and it appears that runoff from the painting and sanding areas would enter the storm sewer. As noted under Buildings 337 and 112, wastewater generated in these buildings, either as a result of leaks during storm events or from washing down floors, is pushed out onto the streets which border this open space and into the storm sewer system.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 122 is surrounded by Parcels 123, 121, 119, 120, 129, 128, and 127. Activities of concern on adjacent and nearby parcels include fuel testing and storage, various light industry, and the presence of railroad tracks.

No parcels contiguous with Parcel 122 are IR sites, therefore, no sampling is called for in this PEP in response to the two nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 122, then additional sampling on Parcel 122 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes one RCRA site (SWMU/GAP 10). This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under this criteria, SWMU/GAP 10 does not require sampling because the location of the

site could not be determined based on available records and EBS information, and because the floor of Building 112 is paved.

SWMU/GAP 10 is listed as having contained the following hazardous wastes: solvents, waste oils, and asbestos, and is located in Building 112. The current status of this site is unknown.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 122, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-122-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 112. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-122-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 122 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-122-2

Summary of Data Gaps
NAS Alameda Parcel 122

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 3 (Aviation Gasoline Tanks) is located approximately 300 feet southeast of Parcel 122. • IR Site 7B (former service station) is located approximately 400 feet south of Parcel 122.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Evidence of potential groundwater contamination migration from nearby Parcel 131 identified, and is being addressed as part of the IR site program.
Potential Zone-Wide Release Areas	• No potential release areas identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-122-2

Summary of Data Gaps
NAS Alameda Parcel 122

Data Gap	Status/Description
Potential Parcel-Specific Release Areas	• (Building 112): This target area is the staining area that is associated with the carpentry shops, and is less than 1,000 square feet. Compounds of concern within this target area include SVOCs, metals and TPH. . • (Open Space): This target area encompasses the painting area located to the north of Building 112. This target area is estimated to cover 1,000 square feet. Compounds of concern within this target area include metals.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Abandoned and active sanitary sewer, storm sewer, electrical distribution lines, and potable and fire protection water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Underground abandoned and active fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target areas. The nature and location of these areas were evaluated to determine field investigation and sampling strategies. Three target areas of concern were identified at Parcel 122.

- Target Area 1 (Building 112): This target area is the staining area that is associated with the carpentry shops. This target area is less than 1,000 square feet. Compounds of concern within this target area include SVOCs, metals, and TPH. The likelihood of environmental impact is classified as potential. Two surface soil samples will be obtained beneath the most significant stained areas.

- Target Area 2 (Open Space): This target area encompasses the stained painting area located to the north of Building 112. This target area is estimated to cover 1,000 square feet. Compounds of concern within this target area include metals from paints and paint removal by sanding. The likelihood of an environmental concern having occurred in this area is classified as potential. Samples to be obtained are listed on Table 6-122-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level investigation technique that will be used to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-122-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 122. Four surface soil samples will be collected from the locations shown on Figure 6-122-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

The location of Target Areas 1 and 2 are approximated on the map, the actual locations will be determined in the field.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level

investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: subsurface GeoProbe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-123

PARCEL 123 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 123 at NAS Alameda (Figure 6-123-1). The parcel, which is located in the east-central portion of the base, is approximately three acres in size. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains four RCRA sites, two of which have been identified in the Part B Permit as requiring RCRA Facility Investigations (RFI). One zone-wide and four parcel-specific target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface soil sampling. Table 6-123-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 123, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 123, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present uses of this parcel were determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 110, 111, 122, 124, 125, 126, 127, 128, 131, 135, 136, 137, 138, and 200. This parcel zone has been designated the Engine Testing and Hazardous Materials Storage Zone (Zone 17). The Engine Testing and Hazardous Materials Storage Zone encompasses the parcels that have been used as engine testing,

hazardous materials storage, and support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 17.

Filling began in the area covered by this parcel in approximately 1930 and included the use of dredged material from the Todd Shipyard. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently five buildings (67, 98, 263, 393, and 411) cover approximately 15 percent of the parcel. The remainder (85 percent) is open space. In general, the parcel area is presently in use as a storage area for refuse, recyclable materials, boats, diesel generators, hazardous materials/wastes, mobile facility CONEX containers, and other miscellaneous equipment. Two buildings were formerly located on the parcel and have since been demolished. Sewer and abandoned fuel lines are present at this parcel and are shown in Figure 6-123-1.

Parcel 123 is located approximately 450 feet northwest of Installation Restoration (IR) Site 3 (Aviation Gasoline Storage Tanks), and 400 feet north of IR Site 7B (Building 162). Previous investigations have been conducted at Parcel 123, and specific data regarding chemical occurrence are available.

Sampling of the contents of Tank 393, located beneath a concrete pad north of Building 393, during a previous investigation (ERM-West, 1988) revealed the following constituents: methylene chloride, toluene, trichlorofluoromethane, 2,4-dimethylphenol, phenol, cadmium, chromium, lead, mercury, and zinc. PCBs were not detected. Two soil samples, taken at depths between 5.5 feet and 8.0 feet near the western and southern sides of the concrete tank pad, contained the following constituents (maximum concentrations): total petroleum hydrocarbons (120 ppm), ethylbenzene (0.03 ppm), toluene (0.28 ppm), and xylenes (0.19 ppm). No halogenated VOCs or SVOCs were detected in the soil samples. Tank 393 is no longer in use.

Two soil samples collected near the western edge of the concrete pad for Tank 411 contained toluene, ethylbenzene, and xylenes in maximum concentrations of 0.03 ppm, 0.22 ppm, and 0.23 ppm, respectively. TPH and oil/grease concentrations were below 10 ppm and 0.2%, respectively. SVOCs and halogenated VOCs were not detected. In another investigation, two soil vapor samples (Canonie, 1990) were collected in Open Space II to define the extent of AVGAS contamination from IR Site

3 (Parcel 131). Concentrations of benzene, toluene, ethylbenzene, xylenes, and hydrocarbons were below detection limits in both soil vapor samples.

Informal assessments indicate that asbestos containing materials may be present in Buildings 67, 263, and 393. Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within the parcel open space and buildings are described in detail below.

Building 67

Building 67 was constructed in 1942 and has served as a welding, mechanical, and maintenance shop, aircraft ground support shop, and switching substation (Figure 6-123-1). This 12,700-square-foot building was originally used as a locomotive shed and rail car repair shop. Building 67 is constructed of wood and concrete with a concrete floor and built-up roof. FMO, MWR, and HM-15 currently occupy this building.

Utilities located within and immediately surrounding Building 67 include underground sanitary sewer, storm sewer, steam, industrial sewer, and electrical lines. It appears that no permits have been issued for processes occurring within this building. Site inspection data indicate that four pad-mounted transformers and four oil-filled switches are located in the northwestern corner of Building 67. One PCB-containing transformer (#3165452, PCBs > 50 ppm) was removed in November 1991. According to EBS information, another PCB-containing transformer (#2977050) is still located in this building.

It appears that repair activities have been conducted in Building 67 since its construction. Repair and maintenance processes typically use or generate chemicals and wastes including solvents, lubricating fluids, metals, and petroleum products. When Building 67 was used as a rail car repair shop and locomotive shed, maintenance activities likely involved heavy metals, solvents, and petroleum products. Floor drains in the shop areas appear to be connected to an oil/water separator that is located near the south side of Building 67. It is not known if the unit is currently in operation. The railroad tracks that run through Building 67 are no longer in use.

Site inspection data indicate that cylinders of argon, acetylene, and oxygen, and approximately 50 pounds of fertilizer, are stored in Building

67. Lawn maintenance equipment (tractors, lawnmowers, etc.) are also stored in this building. According to EBS information, 500 gallons of waste petroleum products, corrosives, and nonhalogenated organic compounds were generated by painting and maintenance activities performed by the Shore Intermediate Maintenance Activity (SIMA). SIMA has been inactive since 1991.

Although there have not been any documented spills in Building 67, staining observed during the site inspection indicates that spills have occurred in the shop areas. An oily residue covers the railroad track trench that runs through Building 67. These stained areas are addressed by Target Area 3.

No HVAC system, air inlets, or exhaust vents were noted during the building inspection. No incidents are documented to have occurred within Building 67.

Building 79 (Demolished)

Building 79 was constructed in 1942 and served as barracks. This semi-permanent building was demolished. No chemicals are documented to have been stored or used in Building 79.

Building 98

Building 98 was constructed in 1942 and serves as a storehouse for hazardous materials and wastes (Figure 6-123-1). This two-story building currently serves as the centralized hazardous waste accumulation point for NAS Alameda. Building 98 is constructed of concrete with a deteriorated asphalt floor, and covers approximately 11,600 square feet. Although the second story is vacant, its floor is heavily stained. The ceiling appears to be insulated with a friable, spray-type insulation. Utilities located within Building 98 include underground sanitary sewer, storm sewer, steam, fuel, industrial sewer, and electrical lines. It appears that Building 98 has always been used for hazardous materials storage.

Approximately 3,000 gallons of waste petroleum products, corrosives, metals, asbestos, and nonhalogenated organic compounds are stored within Building 98. Site inspection data indicate that solvents, lube oil, and corrosion inhibitors (unknown quantities) are stored in this building. Hazardous waste drums currently located inside the building and in a fenced enclosure on the east side of Building 98 contain unknown quantities of flammable materials, corrosives, used rags, batteries, used spill kits, used aerosol cans, and waste paint.

According to site inspection data, multiple releases have occurred in Building 98; black and white stains cover most of the second-story floor, and the asphalt floor on the ground level is heavily stained and deteriorated. Stains range in size from approximately one square foot to 25 square feet. These areas are addressed by Target Area 1.

No HVAC system, air inlets, or exhaust vents were noted during the building inspection. No other incidents such as fires, mishaps, or flooding are documented to have occurred within Building 98.

Building 263

Building 263 was constructed in 1946 and served as an aircraft ground support equipment shop (Figure 6-123-1). This building is currently occupied by the Facilities Maintenance Office, and is used to store lawn maintenance equipment, gasoline, and oil. Building 263 is a metal Quonset hut with an asphalt and concrete floor, and covers approximately 850 square feet. Utilities located within Building 263 include underground storm sewer, industrial sewer, and electrical lines.

Site inspection data indicate that less than 100 gallons of lube oil, gasoline, diesel, and acetylene are stored in Building 263. Acetylene cylinders are stored in a steel cage and fuels are stored in a flammable materials cabinet. Although there have not been any documented spills in Building 263, floor stains exist near the southern end of the building.

No HVAC system, air inlets, or exhaust vents were noted during the building inspection. Intense fuel and oil odors present during the site inspection indicate that the building is poorly ventilated and suggest that releases may have recently occurred. This area of intense odor and staining in the southern portion of the building are addressed by Target Area 2. No other incidents such as fires, mishaps, or flooding are documented to have occurred within Building 263.

Building 393

Building 393 was constructed in 1953 and served as a painting and sandblasting facility (Figure 6-123-1). This 1,800-square-foot building was also used as a maintenance shop and supply storage facility. Site inspection data indicate that Building 393 is currently used to store repair parts for boats and trailers. Building 393 is constructed of wood with a concrete floor and a corrugated metal exterior. Utilities located within and immediately surrounding Building 393 include underground storm sewer and steam lines, and overhead electrical lines.

Painting processes typically generate waste paint, metals (from surface preparation), solvents, and wastewater. Waste chemicals appear to have been disposed of in an underground waste storage tank north of Building 393. Site inspection data indicate that less than 10 gallons of brake fluid, aluminum paint, and spray enamels are currently stored in this building.

Although there have not been any documented spills in Building 393, paint floor stains were observed during the site inspection. Paint overspray stains were also noted on the walls and floor of the building. A dark oil-like stain near vehicle repair equipment indicates that minor maintenance activities may still be taking place inside Building 393. These stains are relatively minor, and have occurred on a concrete surface. Thus, no sampling is called for in this building.

No HVAC system, air inlets, or exhaust vents were noted during the building inspection. No other incidents such as fires, mishaps, or flooding are documented to have occurred within Building 393.

Building 411

Building 411 serves as Electrical Substation 2 (Figure 6-123-1). This 550-square-foot building is constructed of concrete with a concrete floor and ceiling. Two transformers (one non-PCB, the other unknown-PCB), vacuum-type circuit breakers, and underground electrical lines are located within this building. It is not known if the floor drain noted during the site inspection is connected to the sanitary sewer, storm sewer, or the oil/water separator near the south side of Building 67.

EBS information indicates that transformers have leaked at Electrical Substation 2. According to site inspection data, scattered stains exist on the concrete floor of Building 411. This staining is relatively minor and no migration pathway is evident to the underlying soils. Thus, the staining of the concrete should be addressed as part of the electrical equipment program, which is separate from this PEP.

No HVAC system, air inlets, or exhaust vents were noted during the building inspection. No other incidents, such as fires, mishaps, or flooding are documented to have occurred within Building 411.

Open Space I

The open space of Parcel 123 has been subdivided into Open Space I and Open Space II. Open Space I, the area east of the eastern side of Building 67, occupies approximately 50 percent of the parcel (Figure 6-123-1). In general, Open Space I is used to store boats,

hazardous materials, diesel generators, forklifts, trucks, and modular CONEX facilities. A salvage and refuse area (scrap metal, etc.) is located in the easternmost portion of Open Space I. The ground surface of Open Space I is completely paved with asphalt and concrete. The pavement is in fair condition. Utilities located within Open Space I include underground storm sewer, steam, water, industrial sewer, and electrical lines.

One underground storage tank (Tank 393) is located beneath a concrete pad north of Building 393. This steel tank, which has an estimated capacity between 500 and 1,000 gallons, was used to store waste oil, paint, and solvent from Building 393. Tank 393 is no longer in use and is scheduled to be removed in 1994.

Site inspection data indicate that steam cleaning and vehicle washing occur near a storm drain north of Building 393. Portable diesel generators are also stored in this area. Boats and trucks are stored near the southern and northern edges of Open Space I, respectively. Boat and truck repair also occurs in this open space. A leaking lube oil drum west of Building 393 appears to impact a nearby storm drain. Approximately 500 gallons of petroleum products, halogenated and nonhalogenated organic compounds, and corrosives are stored near the western side of Building 393. The floor of this hazardous materials storage area is stained. This stained area is addressed by Target Area 5.

Although there have not been any documented spills in Open Space I, heavy staining is evident in aerial photographs between Building 67 and Building 393, near the north and east sides of Building 393, and in an isolated area northeast of Building 393. The dark staining between Building 393 and Building 67 was present in 1953 and 1966 aerial photographs and covered approximately 6,000 square feet. The staining observed during the site inspection and noted in aerial photographs west of Building 393 is addressed by Target Area 5.

Open Space II

Open Space II, the area west of the eastern side of Building 67, covers approximately 35 percent of Parcel 123 (Figure 6-123-1). The ground surface, which is completely paved with asphalt and concrete, is in fair condition. In general, Open Space II is used to store refuse and recyclable materials (i.e., glass, aluminum cans, etc.). Forklifts and trucks are parked in this area.

Four buildings (67, 98, 263, and 411) are located within the boundaries of Open Space II (Figure 6-123-1). Utilities located within Open Space II include underground sanitary sewer, storm sewer, steam, water,

abandoned fuel, industrial sewer, and electrical lines. Railroad tracks are also present in Open Space II and are shown on Figure 6-123-1. Two transformers and switchgear are located northeast of Building 67. An oil/water separator is located near the south side of Building 67 (Figure 6-123-1). It is not known if the unit is currently in operation. A fenced area immediately east of Building 98 is used for drummed hazardous waste storage.

An underground storage tank (Tank 411) is located beneath a concrete pad immediately west of Building 411. This 10,000-gallon steel tank, which reportedly stored diesel and solvents, was used by the self-help division.

Although no documented spills have occurred in Open Space II, staining is evident in historical aerial photographs in the area north of Building 67 and in the southeastern portion of Open Space II. The staining north of Building 67 is apparent in 1953, 1963, and 1966 aerial photographs and appears to cover approximately 3,600 square feet. Because sampling has already been done in this area, and one of the railroad track samples is located in the area north of Building 67, no additional sampling is proposed. The staining in the southeastern portion of Open Space II appears to be related to activities within Building 112, which is located in Parcel 122. Building 112 has been used as an aircraft support facility (aircraft parts cleaning, repair, etc.), carpentry shop, upholstery shop, and nondestructive testing lab. This staining is addressed by Target Area 4.

Underground Storage Tanks

Two inactive underground storage tanks are present at this parcel (Tanks 393-1 and 411-1). The tanks were installed in on an unknown date and are located between Avenue G and Building 393, and west of Building 411, respectively. Tank 393-1 was used to store waste paint and oil, and Tank 411-1 was used to store various solvent products and diesel. Tanks 393-1 and 411-1 have capacities of 500 and 10,000 gallons, respectively. The presence of these tanks were identified from the EBS. These tanks are scheduled to be removed. Investigation of these former tanks is has not been scheduled. The available information did not identify why the tanks were abandoned. However, based on general comments made by NAS Alameda personnel, tanks were most commonly abandoned because they were leaking. These tanks have been identified as RCRA tanks based on their inclusion in the RFI.

Parcel Boundary Conditions

Parcel 123 is bounded by Parcels 110, 111, 121, 122, 124, 125, 126, and 127. Activities of concern include shop activities and spray painting in Parcel 122 and hazardous waste storage/handling in Building 13 (Parcel 124). Building 13 appears to have always been used for hazardous materials storage.

No sampling is called for in this PEP in response to the two nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 123, then additional sampling on Parcel 123 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. Parcel 123 contains four RCRA sites (GAP Site 15 and GAP Site 29, known collectively as SWMU GII-11, and the two RCRA tanks). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. The RCRA tanks require further investigation that will be conducted under the UST program. SWMU GII-11 is listed in the RCRA Part B Permit and must be investigated as part of the RCRA Facility Investigation (RFI) for NAS Alameda. The requirements for the RFI are described in detail in Section 8. GAP Site 15 was incorporated into the RFI because of potential for releases to a "sump" located near the site. No other concern were identified for this site. Because the sewer lines are being investigated under a different program, this Gap site does require investigation in this PEP. This area was stained and is being sampled as part of this PEP (Target Area 5). A brief description of the RCRA sites is provided below.

GAP Site 15 is a concrete area, approximately 10 feet by 10 feet in size, near the north side of Building 67. The chemicals of concern associated with this site include waste paint material, solvents, thinner, and waste oil. No known releases have occurred at GAP Site 15. This site is currently inactive and closed.

GAP Site 29 reportedly was located near the fence by Building 67. Stained concrete was noted in this area. This area may correspond to a hazardous material west of Building 393 noted during site inspection.

This tanks were identified as RCRA tanks based on their inclusion in the RFI. Descriptions of the tanks are provided in the Underground Storage Tank subsection above.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 123, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-123-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewer lines is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Buildings 67, 393, and 411. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-123-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 123 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains several parcel-specific target areas and is also contained in a zone with a zone-wide target area. This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 17. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies.

TABLE 6-123-2

Summary of Data Gaps
NAS Alameda Parcel 1234

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• IH issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• Parcel 123 is located approximately 450 feet northwest of Installation Restoration (IR) Site 3 (Aviation Gasoline Storage Tanks), and 400 feet north of IR Site 7B (Building 162). Additional subsurface investigations relative to IR Sites 3 and 7B are proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Evidence of potential groundwater contamination migration from nearby Parcel 131 identified, and is being addressed as part of the IR site program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-123-1

Summary of Recommended Samples
NAS Alameda Parcel 123

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
123-8-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Fuels, Waste Oils, Paints, PCBs	TPH, SVOCs, PCB, Metals	Mod. EPA 8015, EPA 8270, EPA 8080, ICAP Scan
123-9-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	Waste Oil, Metals, Paints	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
123-9-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 4	Solvents, Paints, Waste Oil, Fuels	VOCs, SVOCs, Metals, TPH	EPA 8240, EPA 8270, ICAP Scan, Mod. EPA 8015
123-10-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	Waste Oil, Metals, Paints	SVOCs, Metals, TPH	EPA 8270, ICAP Scan, Modified EPA 8015
123-10-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 4	Waste Oil, Metals, Paints	SVOCs, Metals, TPH	CLP RAS, Modified EPA 8015
123-10-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 4	Fuels, Solvents, Paints, Waste Oil	TPH, VOCs, SVOCs, Metals	Mod. EPA 8015, EPA 8240, EPA 8270, ICAP Scan
123-10-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 4	Fuels, Solvents, Paints, Waste Oil	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, CLP RAS
123-11-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	Fuels, Oils, Metals, Paints	SVOCs, Metals, TPH	EPA 8270, ICAP Scan, Modified EPA 8015
123-12-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	Fuels, Oils, Metals, Paints	SVOCs, Metals, TPH	EPA 8270, ICAP Scan, Modified EPA 8015
Z17-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs, Fuels	SVOCs, PCBs, Lead, TPH	EPA 8270, EPA 8080, ICAP Scan, EPA 8015 Modified
Z17-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Fuels, Oils, PCBs, Creosote, Tie Tar	SVOCs, PCBs, Lead, TPH	EPA 8270, EPA 8080, ICAP Scan, EPA 8015 Modified
Z17-5-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs, Fuels	SVOCs, PCBs, Lead, TPH	CLP RAS, EPA 8015 Modified

*These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

TABLE 6-123-1

Summary of Recommended Samples
NAS Alameda Parcel 123

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
123-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Waste Oil, Paints	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
123-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Paints, Waste Oil	TPH, SVOCs, Metals	Modified EPA 8015, CLP RAS
123-1-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Fuels, Waste Oil, Paints, Solvents	TPH, SVOCs, Metals, VOCs	Mod. EPA 8015, EPA 8270, ICAP Scan, EPA 8240
123-1-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	Fuels, Waste Oil, Paints, Solvents	TPH, SVOCs, Metals, VOCs	Modified EPA 8015, CLP RAS
123-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Waste Oil, Paints	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
123-2-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Waste Oil, Paints, Solvents	SVOCs, Metals, TPH, VOCs	EPA 8270, ICAP Scan, Mod. EPA 8015, EPA 8240
123-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Waste Oil, Paints	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
123-3-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Waste Oil, Paints, Solvents	SVOCs, Metals, TPH, VOCs	EPA 8270, ICAP Scan, Mod. EPA 8015, EPA 8240
123-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Fuels, Oils	TPH	Modified EPA 8015
123-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Fuels, Oils	TPH	Modified EPA 8015
123-5-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 2	Fuels, Oils	TPH	Modified EPA 8015
123-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Fuels, Waste Oils, Paints, PCBs	TPH, SVOCs, PCB, Metals	Mod. EPA 8015, EPA 8270, EPA 8080, ICAP Scan
123-7-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Fuels, Waste Oils, Paints, PCBs	TPH, SVOCs, PCB, Metals	Mod. EPA 8015, EPA 8270, EPA 8080, ICAP Scan
123-7-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 3	Fuels, Oils, PCBs, Metals, Paints	TPH, PCBs, Metals, SVOCs	EPA Modified 8015, CLP RAS

TABLE 6-123-2

Summary of Data Gaps
NAS Alameda Parcel 1234

Data Gap	Status/Description
Potential Zone-Wide Release Areas	• (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Engine Testing and Hazardous Materials Storage Zone. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead. Two surface soil samples for this target area is located on this parcel.
Potential Parcel-Specific Release Areas	• Building 98. • Building 263. • Building 67. • Open Space II, West Side of Building 112. • Open Space I, West Side of Building 393.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• Two inactive underground storage tanks are present at this parcel (Tanks 393-1 and 411-1). These tanks are scheduled to be removed. Investigation of these former tanks is has not been scheduled.
Underground Utilities	• Sanitary sewer, storm sewer, water, and industrial sewer lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Abandoned fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Final sample locations will be determined in the field based on visual observation and accessibility. The following five parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-123-2.

- Target Area 1 (Building 98): Building 98 serves as the centralized hazardous waste accumulation point for NAS Alameda. Staining was noted during the site inspection on the deteriorated asphalt floor. The likelihood of environmental impacts are classified as potential in this target area. The target area is defined as the outline of the building, but the potential affected (stained) area is anticipated to be significantly smaller. Compounds of concern include TPH, VOCs, SVOCs, and metals. Three subsurface soil samples and three surface soil sample will be located in the most heavily stained areas on the ground floor.

- Target Area 2 (Building 263): Heavy floor staining and fuel odors were noted during the site inspection. This target area has been classified as having a potential likelihood of impacts, and covers less than 1,000 square feet. Two surface soil samples will be located in the most deteriorated and stained portions of the floor. Soil samples will be analyzed for TPH.

- Target Area 3 (Building 67): Building 67 appears to have always been used for maintenance activities. Staining observed during the site inspection indicate that repair activities are potential sources of releases. Compounds of concern include TPH, SVOCs, PCBs, and metals. Two surface soil samples will be collected from the darkest stains in the shop areas, and one surface soil sample will be taken in the stained areas near the railroad trench that runs through the building.

- Target Area 4 (Southeastern Portion of Open Space II, West Side of Building 112): Staining in historical aerial photographs indicates that spills may have occurred in Target Area 4, which is adjacent to the west side of Building 112. Aircraft support and shop activities have occurred within Building 112 and are potential sources of release. Compounds of concern include TPH, VOCs, SVOCs, and metals. Two surface soil samples and two subsurface soil samples will be located in the open space immediately west of Building 112.

- Target Area 5 (West Side of Building 393): Staining in historical aerial photographs and observed by site inspectors indicate that spills may have occurred in Target Area 5, which is adjacent to the west side of Building 393. A hazardous material storage area is a potential source of release. Compounds of concern include TPH and metals.

Two surface soil samples will be located in the open space immediately west of Building 393.

- Zone 17 Target Area 1 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Engine Testing and Hazardous Materials Storage Zone. Railroad tracks are located in the western portion of the parcel. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas. Two of the fifteen surface soil samples for this zone target area is located on this parcel. One of the three proposed confirmation samples are located on this parcel. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means. The samples to be collected in this target area are listed in Table 6-123-1. The approximate sampling locations are shown on Figure 6-123-1.

Screening-Level Investigation

Two screening-level techniques will be employed to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface GeoProbe soil sampling (SOP 14).

Table 6-123-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 123. Five parcel-specific subsurface soil samples and 14 parcel-specific subsurface surface soil samples and two zone-wide surface soil samples will be collected from the locations shown on Figure 6-123-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level

investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil gas sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-124

PARCEL 124 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 124 at NAS Alameda (Figure 6-124-1). The parcel, which is located in the central portion of the base, is 1.2 acres in size and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains two RCRA sites. One zone-wide and one parcel-specific target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface soil sampling. Table 6-124-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 124, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 124, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 110, 111, 122, 123, 125, 126, 127, 128, 131, 135, 136, 137, 138, and 200. This parcel zone has been designated the Engine Testing and Hazardous Materials Storage Zone (Zone 17). The Engine Testing and Hazardous Materials Storage Zone encompasses the parcels that have been used as engine testing, hazardous materials storage, and support facilities. During the

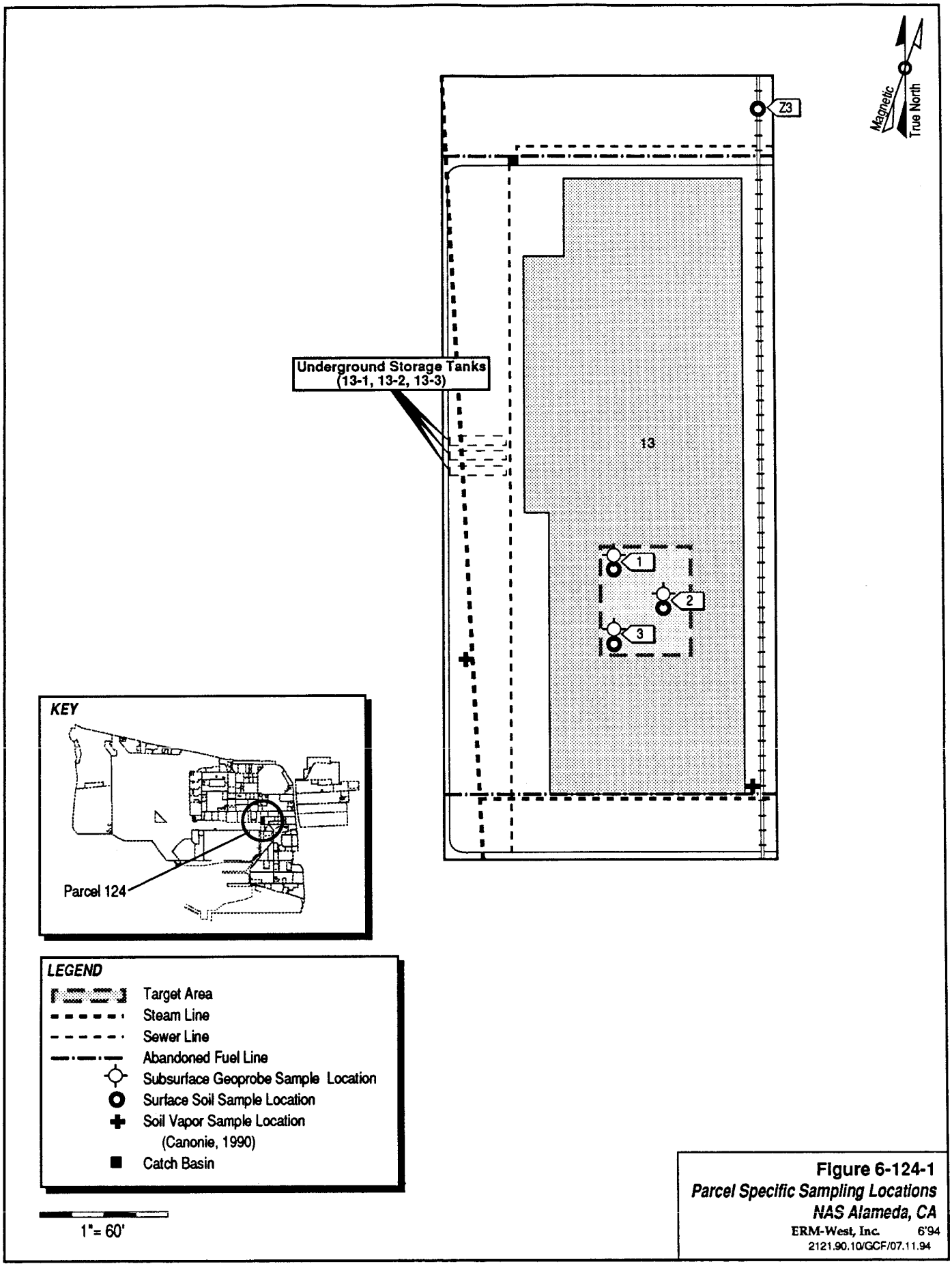


Figure 6-124-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.10/GCF/07.11.94

TABLE 6-124-1

Summary of Recommended Samples

NAS Alameda Parcel 124

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
124-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Oils, PCBs, Paints	TPH, PCBs, SVOCs, Metals	Mod. EPA 8015, EPA 8080, EPA 8270, ICAP Scan
124-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Oils, PCBs, Paints	TPH, PCBs, SVOCs, Metals	Modified EPA 8015, CLP RAS
124-1-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Solvents, Oils, PCBs, Paints	TPH, VOCs, PCBs, SVOCs, Metals	Modified EPA 8015, EPA 8240, EPA 8080, EPA 8270, ICAP Scan
124-1-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	Solvents, Oils, PCBs, Paints	TPH, VOCs, PCBs, SVOCs, Metals	Modified EPA 8015, CLP RAS
124-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Paints, Oils, PCBs	PCBs, Metals, TPH, SVOCs	EPA 8080, ICAP Scan, Modified EPA 8015, EPA 8270
124-2-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Solvents, Paints, Oils, PCBs	VOCs, SVOCs, PCBs, Metals, TPH	EPA 8240, EPA 8270, EPA 8080, ICAP Scan, Modified EPA 8015
124-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Paints, Oils, PCBs	PCBs, Metals, TPH, SVOCs	EPA 8080, ICAP Scan, Mod. EPA 8015, EPA 8270
124-3-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Solvents, Paints, Oils, PCBs	VOCs, SVOCs, PCBs, Metals, TPH	EPA 8240, EPA 8270, EPA 8080, ICAP Scan, Modified EPA 8015
Z17-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs, Fuels	SVOCs, PCBs, Lead, TPH	EPA 8270, EPA 8080, ICAP Scan, EPA 8015 Modified

*These are the suggested locations for the confirmation sample. The actual locations will depend on field analytical results.

sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 17.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 13) covers approximately 65 percent of the parcel. The remaining 35 percent is open space. The parcel area is presently used for vehicle parking and the storage and transfer of hazardous materials. Three buildings (Buildings 59, 262, and 44) were formerly located on the parcel and have since been demolished. Underground fuel and sewer lines are present on the parcel and are shown on Figure 6-124-1.

Parcel 124 is located approximately 400 feet east of IR Site 6 (Aircraft Intermediate Maintenance Building, Building 41), and 400 feet north of IR Site 7B (Former Service Stations, Building 162). Previous investigations have been conducted at Parcel 124 and limited data regarding chemical occurrence are available. Two soil vapor samples (Canonie, 1990) were collected in Parcel 124 to define the extent of AVGAS impacts from IR Site 3 (Parcel 131). Concentrations of benzene, toluene, ethylbenzene, xylenes, and hydrocarbons were below detection limits in both samples.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 13

Building 13 was constructed in 1942 and serves as a hazardous materials and hazardous waste storehouse and Public Works maintenance storage facility (Figure 6-124-1). The southern half of this one-story, 35,500-square-foot building is constructed of wood and has a concrete floor, while the northern half is constructed entirely of concrete. The concrete floor is coated with a protective epoxy resin. Although it was not inspected, the roof reportedly leaks. Building 13

was originally used as a paint warehouse. It appears that Building 13 was always used for storing hazardous materials.

Utilities located within Building 13 include underground steam and electrical lines. One transformer is also located in the north portion of the building. Steam pipes are present inside Building 13, and may be insulated with asbestos containing materials.

In general, hazardous wastes are stored in the southern half of Building 13, while hazardous materials are stored in the northern half of the building. According to EBS information, nonhalogenated organic compounds, corrosives, PCBs, oxidizers, and petroleum products have been stored in Building 13. Site inspection data indicate that approximately 4,000 gallons of corrosives, flammable materials, nonhalogenated and halogenated solvents, and PCBs are currently stored within the building.

Site inspection data indicate that staining exists throughout Building 13. Approximately 40 percent of the southern half of Building 13 is stained. The floor in the northern half of the building is 30 percent covered with stains of oil, halogenated solvents, and nonhalogenated solvents. The stains range in size from several inches in diameter to two feet in diameter. Large stains are present near the north wall and in the southeast and southwest corners. The stains in the southeast and southwest corners appear to measure approximately 12 square feet. Absorbent is reportedly used regularly on spills. Staining in the southern half of the building is addressed as Target Area 1. Target Area 1 has been designated a target area to represent the "worst case" scenario for the staining observed in the building.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within Building 13.

Open Space

The open space covers approximately 35 percent of Parcel 124 and is completely paved. Approximately 80 percent of the paved area is surfaced with asphalt and 20 percent is covered with concrete. The pavement is in fair condition. Utilities located within the open space include underground sanitary sewer, steam, electrical, fuel, and industrial sewer lines. Railroad tracks east of Building 13 parallel the eastern parcel boundary, and are considered part of Parcel 124. Abandoned underground fuel lines are located in the north and south portions of the parcel.

Three buildings were formerly located in Parcel 124. Building 262 was constructed in 1943 and was used to store lumber. This semi-permanent, 1,340-square-foot building burned down. Former Building 444, which was part of Building 262, was constructed in 1943 and was also used to store lumber. This 525-square-foot, semi-permanent building also burned down. Building 59 was demolished in 1953. The use, construction type, and construction date of this building are unknown. A vacant, 60-square-foot shed is currently located on the south side of Building 13. No chemicals are stored in this shed. Three abandoned underground storage tanks (Tanks 13-1, 13-2, and 13-3) are located immediately west of Building 13 (Figure 6-124-1).

Although no chemicals are documented to have been stored or used in the open space, hazardous materials are transferred at the loading docks on the east and west sides of Building 13. Scattered stains are present on the concrete loading dock and stairs on the east side of Building 13. The largest stain covers approximately eight square feet. Stains typical of vehicle engine leakage are scattered throughout the asphalt pavement around Building 13. The staining in these areas is relatively minor and has occurred on a concrete surface. These areas do not warrant sampling at this time.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

Three abandoned underground storage tanks are present at this parcel (Tanks 13-1, 13-2, and 13-3). The tanks were installed at an unknown time and are located immediately west of Building 13 (Figure 6-124-1). The tanks were used to store unknown materials, and have capacities of 2,400 gallons, each. An underground tank investigation (ERM-West, 1988) detected oil and grease residual product in all three tanks. According to site personnel, these tanks have not been used for many years. The presence of these tanks were identified from the EBS. These tanks are scheduled to be removed. The available information did not identify why the tanks were abandoned. However, based on general comments made by NAS Alameda personnel, tanks were most commonly abandoned because they were leaking.

These tanks have been identified as RCRA tanks based on their inclusion in the RFI. One soil boring taken west of the tanks contained the following concentrations of constituents: toluene (0.48 ppm), xylenes (0.07 ppm), TPH (<10 ppm), and oil/grease (<0.02 percent). No halogenated or aromatic VOCs were detected. The concentrations of toluene and xylenes are below unrestricted and industrial use PRGs.

Two additional tanks were discovered during the tank removal project, and have been numbered 13-4 and 13-5, and have capacities of 5,000 and 10,000 gallons, respectively. These tanks are reported to have stored Lubricating oil. No other information is available regarding these tanks.

Parcel Boundary Conditions

Parcel 124 is bounded by Parcels 23, 71, 110, 123, and 125. Activities of concern include hazardous material and hazardous waste storage in Building 98 (Parcel 123) and engine accessories testing in Building 66 (Parcel 125).

No sampling is called for in this PEP in response to the nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 124, then additional sampling on Parcel 124 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes two RCRA sites (site numbers UST-5 and SWMU/Unknown). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, both RCRA sites at this zone require further investigation. A brief description of each of the RCRA sites is provided below.

The tanks were identified as RCRA tanks based on their inclusion in the RCRA Facility Investigation (RFI) for NAS Alameda. These tanks are scheduled to be removed, and a description of the tanks is provided in the Underground Storage Tank subsection above. The requirements for the RFI are described in detail in Section 10. At NAS Alameda, tanks that would normally require an RFI will be investigated and remediated, if necessary, as part of the UST program.

Site SWMU/Unknown is listed as the hazardous materials delivery area of Building 13 and has not had any known releases. This site has an area storage capacity of approximately 7,600 square feet. Although a full description of the location of SWMU/Unknown was not provided in the EBS, it is though to correspond to the hazardous waste storage area in the southern portion of Building 13. The chemicals of concern associated with this site are not known. The status of this site is

currently unknown. Sampling is proposed at this site as part of Target Area 1.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 124, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-124-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewer lines is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 124 because no industrial buildings are present.

Once the data gaps in Table 6-124-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 124 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target area and is also contained in a zone with a zone-wide target area. This subsection of the PEP discusses the specific parcel target area and provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 17. The nature and location of the parcel-specific and zone-wide target areas

TABLE 6-124-2

Summary of Data Gaps
NAS Alameda Parcel 124

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 124.
Installation Restoration (IR) Sites	• Parcel 124 is located approximately 400 feet east of IR Site 6 (Aircraft Intermediate Maintenance Building, Building 41), and 400 feet north of IR Site 7B (Former Service Stations, Building 162). Additional subsurface investigation relative to IR Site 7B is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Evidence of potential groundwater contamination migration from nearby Parcel 131 identified, and is being addressed as part of the IR site program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-124-2

Summary of Data Gaps
NAS Alameda Parcel 124

Data Gap	Status/Description
Potential Zone-Wide Release Areas	• (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Engine Testing and Hazardous Materials Storage Zone. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead. One surface soil sample is located on this parcel.
Potential Parcel-Specific Release Areas	• (Building 13): The central portion of the south wing of the building, has been designated a target area to screen for the "worst case" scenario. The exact location of the target area will be defined as the most severely stained area in the southern half of the building. This target area covers approximately 2,000 square feet. Compounds of concern include SVOCs, PCBs, Metals, Pesticides, and TPH.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• Three abandoned underground storage tanks are present at this parcel (Tanks 13-1, 13-2, and 13-3). The tanks were installed at an unknown time and are located immediately west of Building 13 (Figure 6-124-1). The tanks were used to store unknown materials, and have capacities of 2,400 gallons, each. These tanks are scheduled to be removed.

TABLE 6-124-2

Summary of Data Gaps
NAS Alameda Parcel 124

Data Gap	Status/Description
Underground Storage Tanks (USTs) (Continued)	These tanks have been identified as RCRA tanks based on their inclusion in the RFI. Two additional tanks were discovered during the tank removal project, and have capacities of 5,000 and 10,000 gallons, respectively. No other information is available regarding these tanks.
Underground Utilities	• Sanitary sewer, electrical, and industrial sewer lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Building 13): Due to the extensive floor staining noted during the site inspection, the central portion of the south wing of the building, has been designated a target area to screen for the "worst case" scenario. The exact location of the target area will be determined in the field, and will be defined as the most severely stained area in the southern half of the building. This target area has been classified as having a potential likelihood of impacts, and covers approximately 2,000 square feet. Compounds of concern include VOCs, SVOCs, PCBs, Metals, and TPH. Samples to be collected in this target area are listed in Table 6-124-1.

- Zone 17 Target Area 1 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Engine Testing and Hazardous Materials Storage Zone. Railroad tracks are located in the western portion of the parcel. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas. One surface soil sample for this zone target area is located on this parcel. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means.

Screening-Level Investigation

Two screening-level techniques will be employed to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface GeoProbe soil sampling (SOP 14). Table 6-124-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 124. Three subsurface soil samples and four surface soil samples will be collected from the locations shown on Figure 6-124-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

The samples should be collected from areas that have cracks and significant staining. If no cracking in the concrete foundation is evident, then the samples should be taken in areas of heaviest staining.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil gas sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-125

PARCEL 125 EVALUATION PLAN

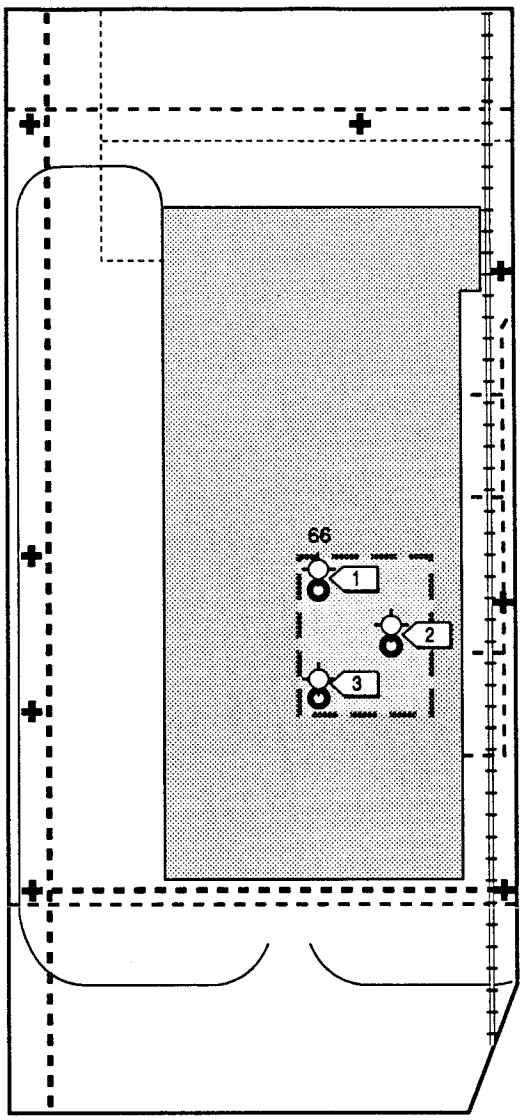
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 125 at NAS Alameda (Figure 6-125-1). The parcel, which is located in the south central portion of the base, is approximately two acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA site. SWMU/GAP 43 has not been identified in the Part B Permit as requiring an RFI. One zone-wide and one parcel-specific target investigation area (target area) have been identified on this parcel. However, no samples for the zone target area are located on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface soil sampling. Table 6-125-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 125, historical activities are discussed below.

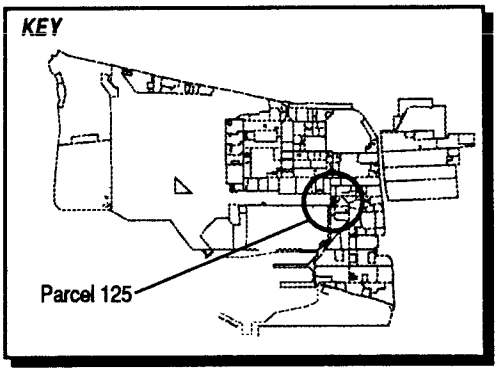
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 125, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel were determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine area on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 110, 111, 122, 123, 124, 126, 127, 128, 131, 135, 136, 137, 138, and 200. This parcel zone has been designated the Engine Testing and Hazardous Materials Storage





LEGEND

- Target Areas 1 and 2
- Steam Line
- Storm Sewer Line
- Sewer Line
- Soil Vapor Sample Location (Canonie, 1990)
- Surface Soil Sample Location
- Subsurface Geoprobe Sample Location

1"= 60'

Figure 6-125-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.10/GCF/07.11.94

TABLE 6-125-1

Summary of Recommended Samples
NAS Alameda Parcel 125

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
125-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	SVOCs, TPH	EPA 8270, Modified EPA 8015
125-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	SVOCs, TPH	CLP RAS, Modified EPA 8015
125-1-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Solvents	VOCs, SVOCs, TPH	EPA 8240, EPA 8270, Modified EPA 8015
125-1-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	Solvents	VOCs, SVOCs, TPH	CLP RAS, Modified EPA 8015
125-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	SVOCs, TPH	EPA 8270, Modified EPA 8015
125-2-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Solvents, Oils	VOCs, SVOCs, TPH	EPA 8240, EPA 8270, Modified EPA 8015

*These are the suggested locations for the confirmation sample. The actual locations will depend on field analytical results.

Zone (Zone 17). The Engine Testing and Hazardous Materials Storage Zone encompasses the parcels that have been used as engine testing, hazardous materials storage, and support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 17.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 66, the Engine Accessory Test Shop) covers approximately 40 percent of the parcel. The remaining 60 percent is open space. The parcel area is presently in use as the Engine Accessory Test Shop and associated parking. No other buildings or structures were formerly located on this parcel. Sewer lines are present on this parcel and are shown on Figure 6-125-1.

Parcel 125 is located within 500 feet of five Installation Restoration (IR) Program sites. IR Site 3 (Area 97) is located approximately 500 feet east of Parcel 125. IR Site 6 (Building 41, AIMD) is located approximately 400 feet northwest of Parcel 125. IR Sites 7B and 11 (Building 162, Service Station and Building 14, Engine Test Cell) are located approximately 100 and 300 feet southeast of Parcel 125, respectively. IR Site 17, (the Seaplane Lagoon) is located approximately 100 feet southwest of Parcel 125. Previous investigations have not been conducted at Parcel 125 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 66

Building 66 was constructed in 1942 and served as an engine accessory test shop (Figure 6-125-1). This building is in fair condition. Building 66 is a one-story building constructed of concrete with a concrete floor and gravel roof, and covers approximately 31,000 square feet. Utilities

located within and immediately surrounding Building 66 include sanitary and storm sewer lines.

Information collected during the EBS indicates that activities conducted within this building included engine testing. This involves repair and testing of aircraft pneumatic hydraulic and fuel metering systems. This type of process typically involves the use or generation of chemicals and wastes including solvents, corrosives, JP-5, refrigerant oil, and calibration and dry cleaning fluids. This process occurred within Building 66 from 1942 to the present.

Halogenated and non-halogenated organics, corrosives, and solvents, are documented to have been stored in or used at the fuel pumping/ignition room, fuel control room, parts storage room, and in the test cells of Building 66 during the site inspection. Approximately 500 gallons of the above-mentioned chemicals were stored in Building 66. Disposal of used chemicals is accomplished by the base environmental group.

Spills of oils and hydraulic fluids were documented during the site inspection. Approximately 90 percent of the floor area is stained. Spills observed during the site inspection were treated with absorbent pads. The site inspectors also noted that releases had occurred due overflow of storage equipment. A clear liquid was noted to be dripping into a tank. The top tank had a broken outlet pipe and the outlet hole was not plugged. These spills appeared to have occurred over a long period of time. Target Area 1 has been identified as a representative "worst case" area . The target area is defined as the most severely stained area of the building

Building 66 is equipped with a heating-ventilation-air conditioning (HVAC) system. Corrosion spots were noted on the roof at the air exhaust unit on the northwest corner of Building 66. No incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within Building 66.

Open Space

The open space covers approximately 60 percent of the parcel. The open space completely paved with asphalt which is generally in fair condition. Utilities located within and immediately surrounding the open space include steam, sanitary and storm sewer, and fuel lines just south of the southern boundary of the parcel. Railroad tracks are located on the eastern portion of the parcel.

Halogenated and non-halogenated organics, calibration fluid, and dry cleaning solvents were documented during the site inspection to have been stored on the exterior north side of the building, and in the outdoor sheds. Approximately 400 gallons of the above-mentioned chemicals were being stored in the open space. No staining other than that related to vehicle parking was noted.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 125 is bounded by Parcels 23, 123, 124, 126, 135, and 136. Activities of concern on these adjacent parcels include the former service station on Parcel 135 (IR Site 7B), fuel storage and use on nearby Parcels 138, 131, and 137, and light industrial activities on the remaining surrounding parcels. The Seaplane Lagoon is located less than one hundred feet southwest of Parcel 125.

No sampling is called for in this PEP in response to the five nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 125, then additional sampling on Parcel 125 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel contains one RCRA site (site number SWMU/GAP 43). This site was evaluated consistent with the criteria applied to other potential target areas at the parcel, and requires sampling. Sampling is required, and will be addressed by Target Area 1. Because Target Area 1 addresses the widespread staining throughout Building 66 by testing a worst case scenario, it will, in effect, investigate SWMU/GAP 43.

Site SWMU/GAP 43 is located in Building 66, Shop 96321. No releases are documented to have occurred at this site. SWMU/GAP 43 consists of 55-gallon drums, five gallon containers, and aerosol cans. The chemicals of concern associated with this site include aerosol paint, solvent, lacquer, JP-5, type II fuel, oil and trichlorotrifluorethane. This site is reportedly active.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 125, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-125-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with fuel and sewer lines are also addressed separately. Sampling associated with fuel and sewer lines is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 66. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-125-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 125 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-125-2

Summary of Data Gaps
NAS Alameda Parcel 125

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• IH issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 3, (Area 97) is located approximately 500 feet east of Parcel 125. Significant groundwater impacts have been identified at and northwest of this site. • IR Site 6, (Building 41, AIMD) is located approximately 400 feet northwest of Parcel 125. • IR Sites 7B (Building 162, Service Station) is located approximately 100 feet southeast of Parcel 125. • IR Sites 11, (Building 14, Engine Test Cell) is located approximately 300 feet southeast of Parcel 125. • IR Site 17, (the Seaplane Lagoon) is located approximately 100 feet southwest of Parcel 125.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-125-2

Summary of Data Gaps
NAS Alameda Parcel 125

Data Gap	Status/Description
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks
Potential Parcel-Specific Release Areas	• Target Area 1 (Stained Area of Building 66)
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, and sanitary sewer lines identified on or directly adjacent to Parcel 125.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Fuel lines identified directly adjacent to Parcel 125.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target area and is also contained in a zone with a zone-wide target area. This subsection of the PEP discusses the specific parcel target area and provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 17. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Parcel 66 Target Area 1 (Stained Area of Building 66): This target area addresses the possible presence of compounds of concern associated with spillage observed during the site inspections. This target area is not intended to test the area beneath the whole building, but only a representative "worst case" area. The target area is defined as the most severely stained area of the building, and is anticipated to cover less than 1,000 square feet. Compounds possible within this target area include VOCs, SVOCs, and TPH. The likelihood that environmental impacts have occurred in this target area is classified as suspect. Samples to be collected in this Target Area are listed in Table 6-125-1.

- Zone 17 Target Area 1 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Engine Testing and Hazardous Materials Storage Zone. Railroad tracks are located in the western portion of the parcel. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas. No surface soil samples for this zone target area are located on this parcel. Soil samples on other parcels will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means.

Screening-Level Investigation

Surface soil sampling (SOP 3) and subsurface GeoProbe soil sampling (SOP 14) are the screening-level investigation techniques that will be used to assess conditions in the parcel-specific target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-125-1 summarizes the screening-level sampling and analysis recommended for the target area on Parcel 125. Two surface soil and two subsurface soil samples will be collected from the locations shown on Figure 6-125-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Subsurface soil and surface soil sampling locations shown on Figure 6 125-1 are approximate, as the location of the target area is approximate. This is because the target area is intended to serve as a "worst case" test area, and is defined as the area of the building with the most severe staining. If no staining is evident at the time of the investigation, then the samples should be distributed evenly over the target area.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-126

PARCEL 126 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 126 at NAS Alameda (Figure 6-126-1). The parcel, which is located in the south-central portion of the base, is 0.8 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1. No RCRA sites are located at this parcel. Two parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. The sampling procedure called for in the screening-level investigation in these target areas is surface soil sampling. Table 6-126-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 126, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 126, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 110, 111, 122, 123, 124, 125, 127, 128, 131, 135, 136, 137, 138, and 200. This parcel zone has been designated the Engine Testing and Hazardous Materials Storage Zone (Zone 17). The Engine Testing and Hazardous Materials Storage Zone encompasses the parcels that have been used as engine testing, hazardous materials storage, and support facilities. During the sampling program development, the parcels located in this zone were

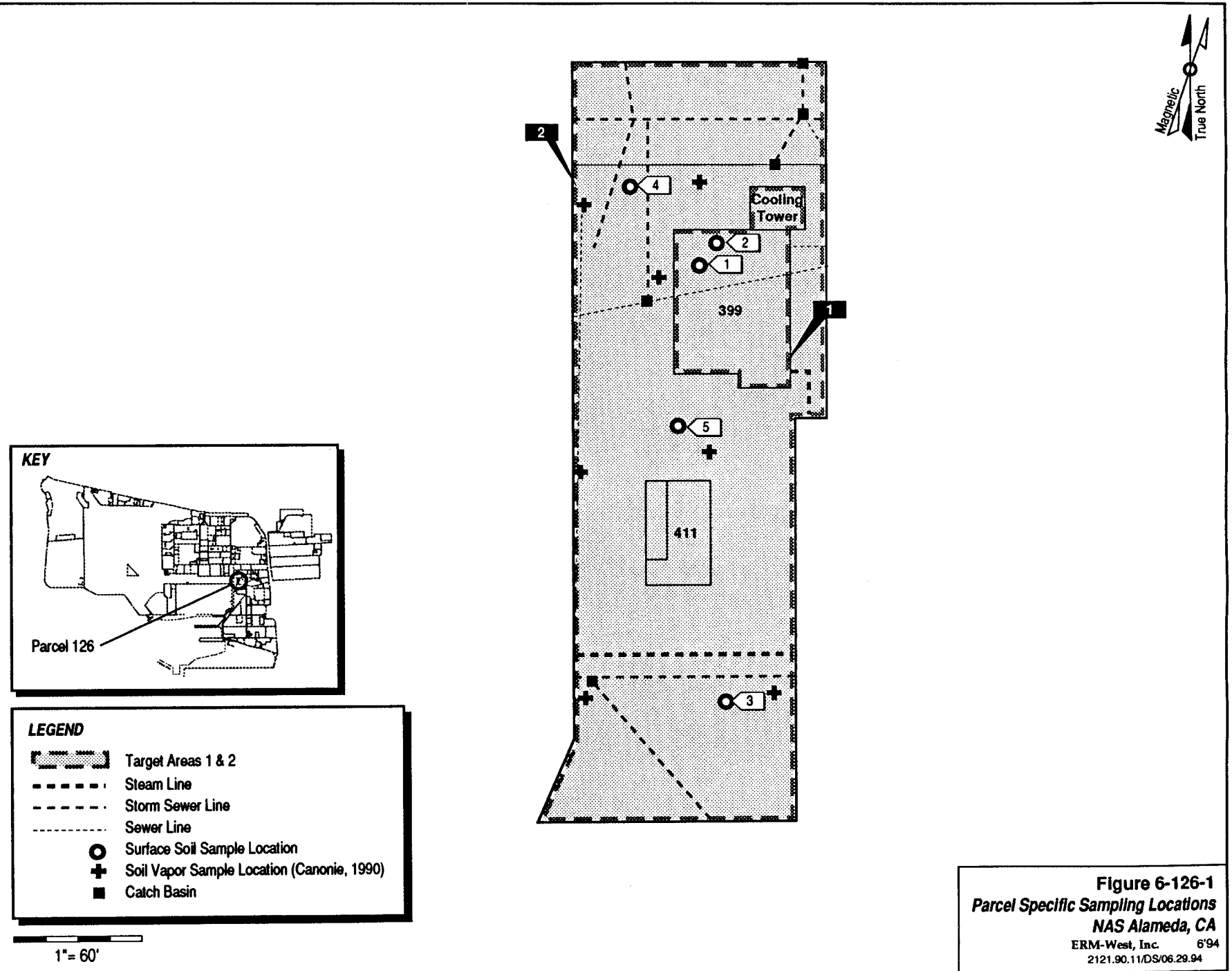


Figure 6-126-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/DS/06.29.94

TABLE 6-126-1

Summary of Recommended Samples
NAS Alameda Parcel 126

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
126-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
126-1-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Fuels, Oils, Solvents	VOCs, TPH	EPA 8240, Modified EPA 8015
126-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
126-2-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
126-2-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Fuels, Oils, Solvents	TPH, VOCs	Modified EPA 8015, EPA 8240
126-2-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	Fuels, Oils, Solvents	TPH, VOCs	Modified EPA 8015, CLP RAS
126-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Metals, TPH	Metals, TPH	ICAP Scan, Modified EPA 8015
126-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Metals, TPH	Metals, TPH	ICAP Scan, Modified EPA 8015
126-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Metals, TPH	Metals, TPH	ICAP Scan, Modified EPA 8015
126-5-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 2	Metals, TPH	Metals, TPH	CLP RAS, Modified EPA 8015

*These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 17.

Filling began in the area covered by this parcel in approximately 1930. Prior to that time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 399) and one structure (Structure 411) cover approximately 15 percent of the parcel. The remaining 85 percent is open space. One building (Building 99) was formerly located on the parcel and has since been demolished. Sewer lines are present on this parcel and are shown on Figure 6-126-1.

Parcel 126 is located near three Installation Restoration (IR) Program sites (IR Site 7B (Former Service Station), IR Site 11 (Aircraft Engine Test Cells), and IR Site 17 (Seaplane Lagoon)). Previous investigations have been conducted at Parcel 126 and specific data regarding chemical occurrence are available.

A soil vapor survey (Canonie, 1990) was conducted in Parcel 126 to more fully define the extent of petroleum hydrocarbon contamination from IR Site 3. The maximum concentrations of benzene, toluene, and hydrocarbons detected at the seven soil vapor locations shown in Figure 6-126-1 were 0.2 µg/l, 0.1 µg/l, and 0.8 µg/l, respectively. Ethylbenzene and xylene concentrations were below detection limits.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will also be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 399

Building 399 was constructed in 1957 and serves as the NADEP compressor support facility (Figure 6-126-1). It appears that Building 399 was always used for this purpose. This one-story building is constructed of metal with a concrete floor, and covers approximately 4,200 square feet. Utilities located within and immediately surrounding Building 399 include underground sanitary sewer, storm sewer, and steam lines. An informal assessment noted that asbestos

containing materials may be present in this building. The space occupied by Building 399 was formerly open space.

Compressors in Building 399 supply air to aircraft engine test cells in nearby buildings. The present compressors were installed in approximately 1989. The compressors that were replaced reportedly leaked oil. An oil stain that covers approximately 500 square feet is located in the northwest portion of the building. This stained area is identified as Target Area 1. Approximately 100 gallons of corrosives and nonhalogenated organic compounds, used as microbiocides, are stored in Building 399. No other incidents such as fires, mishaps, or flooding are documented to have occurred in this building.

Open Space

The open space covers approximately 85 percent of the parcel and is completely paved. Approximately 90 percent of the paved area is surfaced with asphalt and 10 percent is covered with concrete. The open space is used primarily for vehicle parking. Various equipment (cooling towers, pumps, etc.) related to operations within Building 399 is located in the open space immediately surrounding Building 399. Prior to 1957, smelting operations reportedly took place in Parcels 126 and 127 to recover aluminum from scrap material. Target Area 2 addresses the possible presence of metals associated with smelting operations and heavy staining observed in 1947 and 1953 aerial photographs. A historical aerial photograph indicates that the open space was used for storage of unknown materials in 1947.

Utilities located within the open space include underground sanitary sewer, storm sewer, steam, water, and electrical lines. Building 99 was formerly located in the open space. This building was demolished in approximately 1953. The use, size, and construction date of Building 99 are unknown.

Cooling towers are located on the north and east sides of Building 399. Green liquid is present in the secondary containment of the water cooler on the east side of the building. Air heating equipment is located on the south side of Building 399. Other miscellaneous equipment, including pumps and unknown equipment, is located east of Building 399.

Structure 411 is located in the southern half of the parcel, and serves as Electrical Substation 4 (Figure 6-126-1). This structure consists of a 1,000-square-foot concrete pad and a chain-link fence. Three transformers and two 55-gallon drums are located on the concrete pad. Oil stains are present on the concrete pad beneath the transformers and

55-gallon drums. According to site inspection data, the drums contain non-PCB transformer fluid. A sticker observed during the site inspection indicates that the transformers were sampled in 1993.

Although no documented spills have occurred in the open space, extensive staining in 1947 and 1953 historical aerial photographs indicates that spills may have occurred throughout Parcel 126 (Target Area 2). Stains typical of vehicle engine leakage are also present in the parking area.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 126 is bounded by Parcels 123, 125, 127 and 135. Parcel 135 is IR Site 7B (Former Service Station). Activities of concern on these adjacent parcels include aircraft engine testing in Building 398 (Parcel 127), hazardous materials storage in Building 98 (Parcel 123), and engine accessories testing in Building 66 (Parcel 125).

No sampling is called for in this PEP in response to the three nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 126, then additional sampling on Parcel 126 may be appropriate.

RCRA Sites

No RCRA sites are located on Parcel 126.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 126, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for

TABLE 6-126-2

Summary of Data Gaps
NAS Alameda Parcel 126

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• IH issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 7B (Former Service Station) is located south and adjacent to Parcel 126. • IR Site 11 (Aircraft Engine Test Cells) is located approximately 300 feet south of Parcel 126. • IR Site 17 (Seaplane Lagoon) is located approximately 300 feet southwest of Parcel 126.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1 (Building 399) • Target Area 2 (Open Space)

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-126-2

Summary of Data Gaps
NAS Alameda Parcel 126

Data Gap	Status/Description
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-126-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 399. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-126-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 126 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target areas. The nature and locations of these areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following two target areas were identified based on possible impacts from activities described above involving potentially hazardous substances.

- Target Area 1 (Building 399): This target area, which consists of a 500-square-foot stain in the northwest portion of Building 399, has been classified as having a potential likelihood of impacts. TPH and VOCs are the primary compounds of concern. Samples to be collected in this target area are summarized in Table 6-126-1.

- Target Area 2 (Open Space): This target area primarily addresses the possible presence of metals associated with smelting operations and

heavy staining observed in 1947 and 1953 aerial photographs. Compounds possible within this target area include metals and TPH. The likelihood of environmental impacts having occurred in this target area is classified as potential. Samples to be collected in this target area are listed in Table 6-126-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level technique that will be employed to assess conditions in the parcel target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

Table 6-126-1 summarizes screening-level sampling and analysis for the target areas at this parcel. Five surface soil samples will be collected from the locations shown on Figure 6-126-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

The surface soil sampling locations shown on Figure 6-126-1 are approximate. The surface soil samples in Target Area 1 will be collected from beneath the most heavily stained areas in Building 399. Because no staining is currently evident in Target Area 2, the surface soil samples should be located as closely as possible to the designated locations shown in Figure 6-126-1.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface GeoProbe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-127

PARCEL 127 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 127 at NAS Alameda (Figure 6-127-1). The parcel, which is located in the east-central portion of the base, is 2.3 acres in size and is roughly triangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1. This parcel contains three RCRA sites. One zone-wide and three parcel-specific target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface soil sampling. Table 6-127-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 127, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 127, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 110, 111, 122, 123, 124, 125, 126, 128, 131, 135, 136, 137, 138, and 200. This parcel zone has been designated the Engine Testing and Materials Storage Zone (Zone 17). The Engine Testing and Hazardous Materials Storage Zone encompasses the parcels that have been used as engine testing, hazardous materials storage, and support facilities. During the sampling

TABLE 6-127-1

Summary of Recommended Samples

NAS Alameda Parcel 127

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Compounds of Concern	Target Analytes	Analytical Method
127-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
127-1-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Fuels, Oils, Solvents	TPH, VOCs	Modified EPA 8015, EPA 8240
127-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
127-2-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Fuels, Oils, Solvents	TPH, VOCs	Modified EPA 8015, EPA 8240
127-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
127-3-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Fuels, Oils, Solvents	TPH, VOCs	Modified EPA 8015, EPA 8240
127-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
127-4-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
127-4-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Fuels, Oils, Solvents	TPH, VOCs	Modified EPA 8015, EPA 8240
127-4-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	Fuels, Oils, Solvents	TPH, VOCs	Modified EPA 8015, CLP RAS
127-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Paint, Waste Oil	SVOCs, Metals, TPH	EPA 8270, ICAP Scan, Modified EPA 8015
127-5-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 2	Paint, Waste Oil	SVOCs, Metals, TPH	CLP RAS, Modified EPA 8015
127-5-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 2	Paints, Waste Oil, Solvents	VOCs, SVOCs, Metals, TPH	CLP RAS, Modified EPA 8015
127-5-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 2	Paints, Waste Oil, Solvents	VOCs, SVOCs, TPH, Metals	EPA 8240, EPA 8270, Mod. EPA 8015, ICAP Scan
127-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Paint, Waste Oil	SVOCs, Metals, TPH	EPA 8270, ICAP Scan, Modified EPA 8015
127-6-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 2	Paints, Waste Oil, Solvents	VOCs, SVOCs, Metals, TPH	EPA 8240, EPA 8270, ICAP Scan, Modified EPA 8015
127-7-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Metals, TPH	Metals, TPH	ICAP Scan, Modified EPA 8015

TABLE 6-127-1

Summary of Recommended Samples

NAS Alameda Parcel 127

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Compounds of Concern	Target Analytes	Analytical Method
127-8-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Metals, TPH	Metals, TPH	ICAP Scan, Modified EPA 8015
127-9-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	Metals, TPH	Metals, TPH	ICAP Scan, Modified EPA 8015
127-9-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 3	Metals, TPH	Metals, TPH	CLP RAS, Modified EPA 8015

*These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 17.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Buildings 398 and 470) cover approximately 25 percent of the parcel. The remaining 75 percent is paved open space. Two buildings were formerly located on this parcel and have since been demolished. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-127-1.

Parcel 127 is located near four Installation Restoration (IR) Program sites (IR Site 3 - Area 97 Abandoned Fuel Storage Area, IR Site 7B - Former Service Station, IR Site 11 - Aircraft Engine Test Cell, and IR Site 17 - Seaplane Lagoon). Previous investigations have been conducted at Parcel 127 and specific data regarding chemical occurrence are available.

Previous investigations have been conducted in Parcel 127 to define the extent of AVGAS contamination from IR Site 3. Monitoring well (Kennedy, 1980) and soil vapor survey locations (Canonie, 1990) from these investigations are shown in Figure 6-127-1. According to the soil vapor survey data, the AVGAS contamination has primarily impacted the eastern edge of Parcel 127. Analytical results from the monitoring well are unknown.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 398

Building 398 was constructed in 1957 and has served as an aircraft engine testing and overhaul facility (Figure 6-127-1). This 31,900-square-foot, two-story building is in moderately good condition. Building 398 is constructed of metal and concrete, with a concrete floor and a gravel roof. The southeast portion of the building has been used as the

Auxiliary Power Units (APUs) and Cooling Air Turbines Shop since 1989. Permits have been issued for turbine engine testing, solvent cleaning, degreasing, miscellaneous chemicals, the use of a spray booth, an underground JP-5 storage tank, and abrasive blasting. Utilities located within Building 398 include underground steam and sanitary sewer lines. Asbestos removal operations have been conducted in this building.

Aircraft engines are evaluated in the Test Cells located in the northern half of Building 398. Aircraft engine testing typically involves connecting and disconnecting engines, which can result in spillage of fuel, lubricating oil, and solvents. The Test Cells, which range in size from 170 square feet to 240 square feet, are heavily stained. Approximately 70 percent of the floor area is heavily stained in each of the following Test Cells: 109A, 104, 114, 115, 116, and 117. A 48-square-foot floor stain was also noted near the north wall of Test Cell 112. Staining between the walls and foundation of Building 398 indicates that fluids have leached out of the Test Cell and Compressor Shop areas. The stained areas of Building 398 are addressed by Target Area 1.

According to EBS information, 5,000 gallons of petroleum products, halogenated organic compounds, and nonhalogenated compounds are stored in Building 398. The starter and valve shop, located on the second floor, contains approximately 30 gallons of oil, grease, solvent, and aerosol paint. These chemicals are accessed on an as-needed basis by facility personnel. The second floor of Building 398 covers approximately 1,750 square feet and is 50 percent stained. The APU, which is located in the southeastern portion of the building, stores approximately 25 gallons of acrylic lacquer and paint, grease, hydraulic fluid, aerosols, and dyes. Approximately 75 gallons of halogenated hydrocarbons, paint, grease, and solvent (PD680) are stored in the Cleaning Room. The Cleaning Room also contains a 1,1,1-trichloroethane recovery system. A small stain is located in the northeast corner of the Cleaning Room. Stains cover approximately 70 percent of the floor in the Control Center, which is used as a shop for Test Cells 114, 115, 116, and 117.

Approximately 31,000 gallons of hazardous waste were generated in Building 398 in 1993. Hazardous wastes including waste oil, filters, aerosol cans, towels contaminated with JP-5, hydraulic and lubricating fluids, solvents, and other cleaning compounds are currently disposed of daily at two hazardous waste accumulation areas (GAP Sites 44 and 45).

No incidents such as fires, mishaps, or flooding are documented to have occurred. An informal assessment indicates that asbestos may be present in Building 398.

Building 470

Building 470 was constructed in 1961 and served as an aircraft engine overhaul and general purpose facility (Figure 6-127-1). This one-story building is in moderately good condition. Building 470 is constructed of metal with a concrete floor and a metal roof, and covers approximately 380 square feet. A small engine testing area and a vacuum pump, which is used for operations in Building 398, are currently located in Building 470. This building is also used to store nonhazardous materials. An informal assessment indicated that ACM may be present in Building 470.

Although no documented spills have occurred, a 50-square-foot floor stain near the base of the vacuum pump was noted during the site inspection. This is a relatively minor stain on concrete, and will no be sampled at this time. No other incidents such as fires, mishaps, or flooding are documented to have occurred in this building.

Open Space

The open space covers approximately 75 percent of Parcel 127 and is completely paved. Approximately 70 percent of the paved area is surfaced with asphalt and 30 percent is covered with concrete. The paved concrete areas appear to be new and in good condition, while the asphalt areas are deteriorated and in fair condition. Utilities located within the open space include underground sanitary sewer, storm sewer, steam, water, and industrial sewer lines. The open space east of Building 398 has been primarily used for vehicle parking and miscellaneous material storage.

Two underground storage tanks (Tanks 398-1 and 398-2), located near the northeast corner of Building 398, are used to store JP-5 fuel for aircraft engines that are tested within Building 398.

Approximately 900 gallons of petroleum products and halogenated organic compounds are stored in the open space east of Building 398. Three 55-gallon drums of unknown materials are stored on pallets near a storm drain on the north side of Building 470. Miscellaneous parts and equipment are stored in a fenced yard east of Building 398. This storage yard contains two 55-gallon drums of dry cleaning solvent. Generators and other miscellaneous equipment are stored on the west side of the building. Blowdown from Building 398 occurs in the open space immediately west of the building.

According to a 1942 document, a service station was formerly located in the southern half of Parcel 127. The service station consisted of one building, one pump island, and two underground storage tanks.

Abandoned fuel lines may also be present in the area. Another building, approximately 60 feet by 200 feet in size, was formerly located in the south half of Parcel 127. Aerial photographs indicate that this building was constructed before 1947 and demolished between 1947 and 1953. Prior to 1957, smelting operations reportedly took place in Parcels 126 and 127 to recover aluminum from scrap material.

Although no documented spills have occurred in the open space, a 16-square-foot stain near the east side of Building 470 was noted during the site inspection. Staining is also present in the vicinity of GAP Sites 44 and 45. This staining is addressed by Target Area 2. Stains typical of vehicle engine leakage are located in the parking areas on the south and east sides of Building 398. Extensive staining is evident in 1947 and 1953 aerial photographs throughout the entire parcel. This staining is addressed by Target Area 3.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

Two inactive underground storage tanks are present at this parcel (Tanks 398-1 and 398-2). The presence of these tanks were identified from the EBS. These tanks were installed in 1969-1970 and are located between Buildings 398 and 470. The tanks both contain JP-5 product, and have capacities of 10,000 gallons, each. These tanks were precision tested in October 1991 and January 1994, and passed. A remediation plan has been issued for both tanks due to leaking piping and documented soil contamination. Because of the way in which the two tanks are manifolded together, tightness tests could not be performed during the 1987 tank investigation. These tanks are not scheduled for closure until the NADEP closure is completed. Investigation and necessary remediation of these tanks will be performed under the UST program. These tanks have been identified as RCRA tanks based on their inclusion in the RFI.

Three additional USTs may potentially exist, or may have been removed from, the south side of Building 398. No other information is available regarding these suspect tanks.

Parcel Boundary Conditions

Parcel 127 is bounded by Parcels 123, 126, 135, 128, and 131. Parcel 131 is IR Site 3 (Area 97 Abandoned Fuel Storage Tanks), while Parcel 135 is IR

Site 7B (Former Service Station). Migrating AVGAS from IR Site 3 has impacted the eastern edge of Parcel 127.

If the continuing investigations at the nearby IR sites reveal a cause for concern at Parcel 127, then additional sampling on Parcel 127 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes three RCRA sites (GAP Site 44, GAP Site 45, and Tanks 398-1 and 398-2). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, all three of the RCRA sites at this parcel require further investigation. A brief description of each of the RCRA sites is provided below. The sampling proposed for the sites that require sampling is described in the Target Areas and Compounds of Concern subsection.

GAP Site 44, located northwest of Building 470 near the east side of Building 398, stores waste lubricating oil and M-114 solvent. Staining was observed near this hazardous waste accumulation area (Target Area 2). Waste chemicals at GAP Site 44 are stored in three aboveground metal storage containers, each with a capacity of approximately 100 gallons. Waste chemicals from GAP Site 44 are disposed of off-site. This site is currently active.

GAP Site 45, located approximately 40 feet south of GAP Site 44, consists of six 55-gallon drums and one 15-gallon drum which are used to store waste solvents, lubricating oil, cleaner, filters, and aerosol cans. Secondary containment is present for five of the six 55-gallon drums. Waste chemicals from GAP Site 45 are taken off-site by GAP personnel. Site inspection data indicate that staining was present in the area around the drums (Target Area 2). This site is currently active.

The tanks were identified as RCRA tanks based on their inclusion in the RCRA Facility Investigation (RFI) for NAS Alameda. The tanks have been removed (a description of the tanks is provided in the Underground Storage Tank subsection, above). The requirements for the RFI are described in detail in Section 8. At NAS Alameda, RCRA tank sites that would normally require an RFI will be investigated and remediated, if necessary, as part of the UST program.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 127, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-127-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 398. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-127-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 127 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains three parcel-specific target areas and is also contained in a zone with a zone-wide target area. This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 17. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies.

TABLE 6-127-2

Summary of Data Gaps
NAS Alameda Parcel 127

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• Parcel 127 is located near four Installation Restoration (IR) Program sites (IR Site 3 - Area 97 Abandoned Fuel Storage Area, IR Site 7B - Former Service Station, IR Site 11 - Aircraft Engine Test Cell, and IR Site 17 - Seaplane Lagoon). Additional subsurface investigation relative to IR Sites 3, 7B, and 11 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks
Potential Parcel-Specific Release Areas	• Target Area 1 (Building 398, Test Cells) • Target Area 2 (GAP Sites 44 and 45) • Target Area 3 (Open Space)

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-127-2

Summary of Data Gaps
NAS Alameda Parcel 127

Data Gap	Status/Description
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• Two inactive USTs are present at this parcel (Tanks 398-1 and 398-2). Two additional USTs, part of a former service station, may potentially exist, or may have been removed from, the south side of Building 398. No other information is available regarding these suspect tanks.
Underground Utilities	• Sanitary sewer, storm sewer, water, and industrial sewer lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Building 398, Test Cells): This target area includes the central test cell area of Building 398. The test cells are intended to be representative of the "worst case" scenario for staining and deteriorated foundation. If field conditions indicate that the staining or condition of the foundation is worse in other areas of the building at the time of sampling, then the sample locations may be adjusted accordingly. The samples in this target area will be analyzed for TPH and VOCs. This target area has been classified as having a potential likelihood of impacts, and covers approximately 4,000 square feet. Samples to be collected in this target area are listed in Table 6-127-1.

- Target Area 2 (GAP Sites 44 and 45): Staining was observed around GAP Sites 44 and 45. Waste chemicals stored in this area include lubricating oil and solvents, samples will be analyzed for TPH, metals, SVOCs, and VOCs. The likelihood of environmental impacts having occurred in this target area that covers less than 1,000 square feet is classified as potential. Samples to be collected in this target area are listed in Table 6-127-1.

- Target Area 3 (Open Space): This target area addresses the possible presence of compounds of concern associated with smelting operations and heavy staining observed in a 1953 aerial photograph. Although the staining in the aerial photograph covered the entire parcel, this target area has been chosen as a representative area. The representative target area covers approximately 2,500 square feet. Compounds possible within this target area include metals and TPH. The likelihood of environmental impacts having occurred in this target area is classified as potential. Samples to be collected in this target area are listed in Table 6-127-1.

- Zone 17 Target Area 1 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Engine Testing and Hazardous Materials Storage Zone. Railroad tracks are located in the western portion of the parcel. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas. None of the fifteen surface soil samples for this zone target area is located on this parcel. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations,

metal detectors, or other appropriate means. The samples to be collected in this target area are listed in Table 6-127-1. The approximate sampling locations are shown on Figure 6-127-1.

Screening-Level Investigation

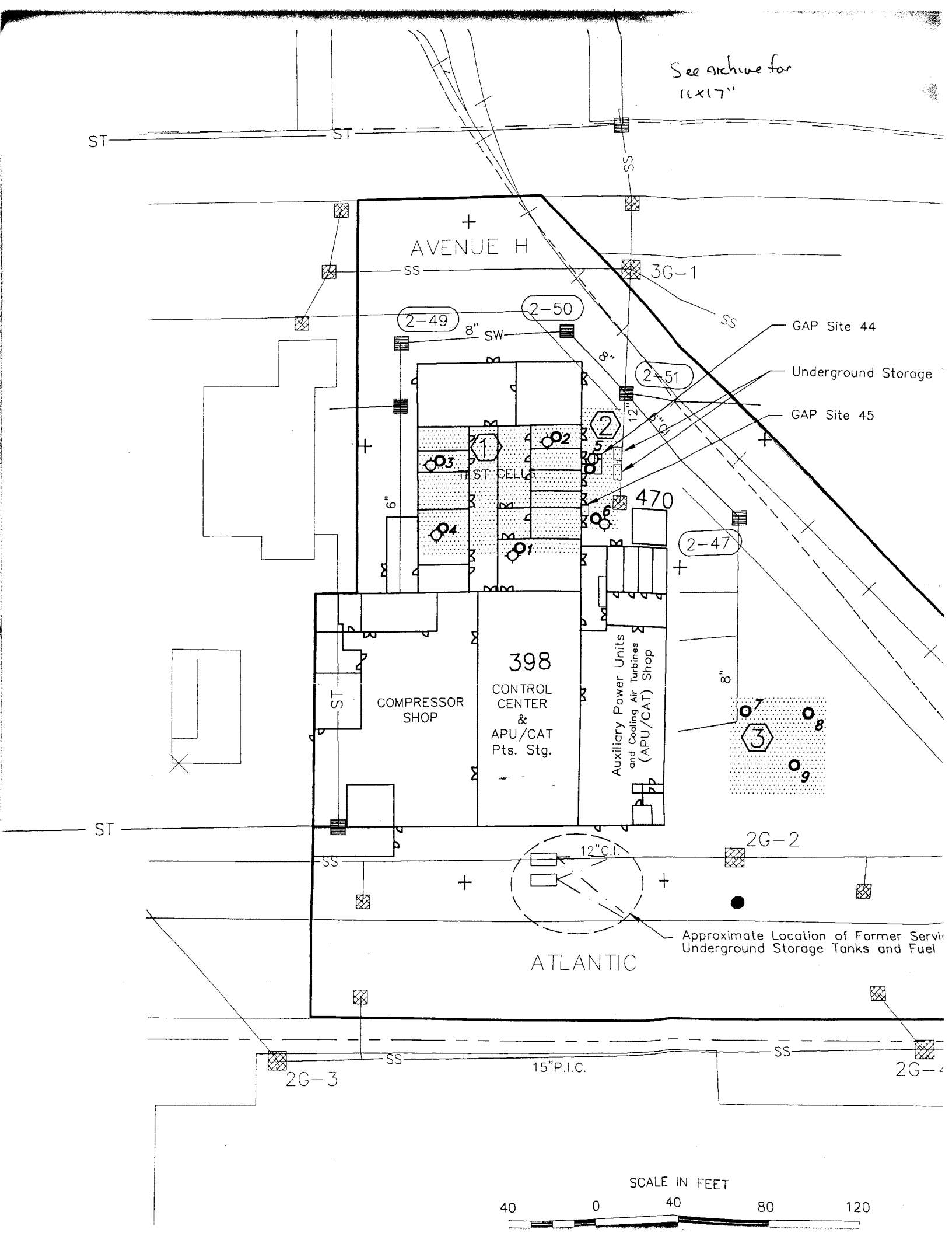
Two screening-level techniques will be employed to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface GeoProbe soil sampling (SOP 14).

Table 6-127-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 127. Six subsurface soil samples and nine surface soil samples will be collected from the locations shown on Figure 6-127-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Sampling locations shown on Figure 6-127-1 are approximate. All surface soil samples will be collected from the centers of the darkest stains, in areas of deteriorated flooring material, where possible. The samples collected from GAP Sites 44 and 45 will be located near cracks in the most heavily stained areas. The sampling densities in Target Areas 1 and 3 are less than the protocol standards in Table 3-1 because of the large sizes of the target areas.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil gas sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.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2-49
8" SW
2-50
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GAP Site 44
Underground Storage
GAP Site 45
1
2
3
4
5
6
7
8
9
TEST CELLS
6"
470
2-47
398
CONTROL CENTER & APU/CAT Pts. Stg.
COMPRESSOR SHOP
ST
Auxiliary Power Units and Cooling Air Turbines (APU/CAT) Shop
8"
ST
SS
12"C.I.
2G-2
Approximate Location of Former Servi
Underground Storage Tanks and Fuel
ATLANTIC
SS
15"P.I.C.
SS
2G-3
2G-
SCALE IN FEET
40 0 40 80 120

SECTION 6-128

PARCEL 128 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 128 at NAS Alameda (Figure 6-128-1). The parcel, which is located in the south-central portion of the base, is approximately two acres in size and is roughly triangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One parcel-specific target investigation area and no zone-wide target areas (target areas) have been identified on this parcel. Surface soil sampling and subsurface soil sampling will be used to accomplish the screening-level investigation. Table 6-128-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 128, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 128, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifes Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 110, 111, 122, 123, 124, 125, 126, 127, 131, 135, 136, 137, 138, and 200. This parcel zone has been designated the Engine Testing and Hazarous Materials Storage Zone (Zone 17). The Engine Testing and Hazardous Materials Storage Zone encompasses the parcels that have been used as engine testing, hazardous materials storage, and support facilities. During the

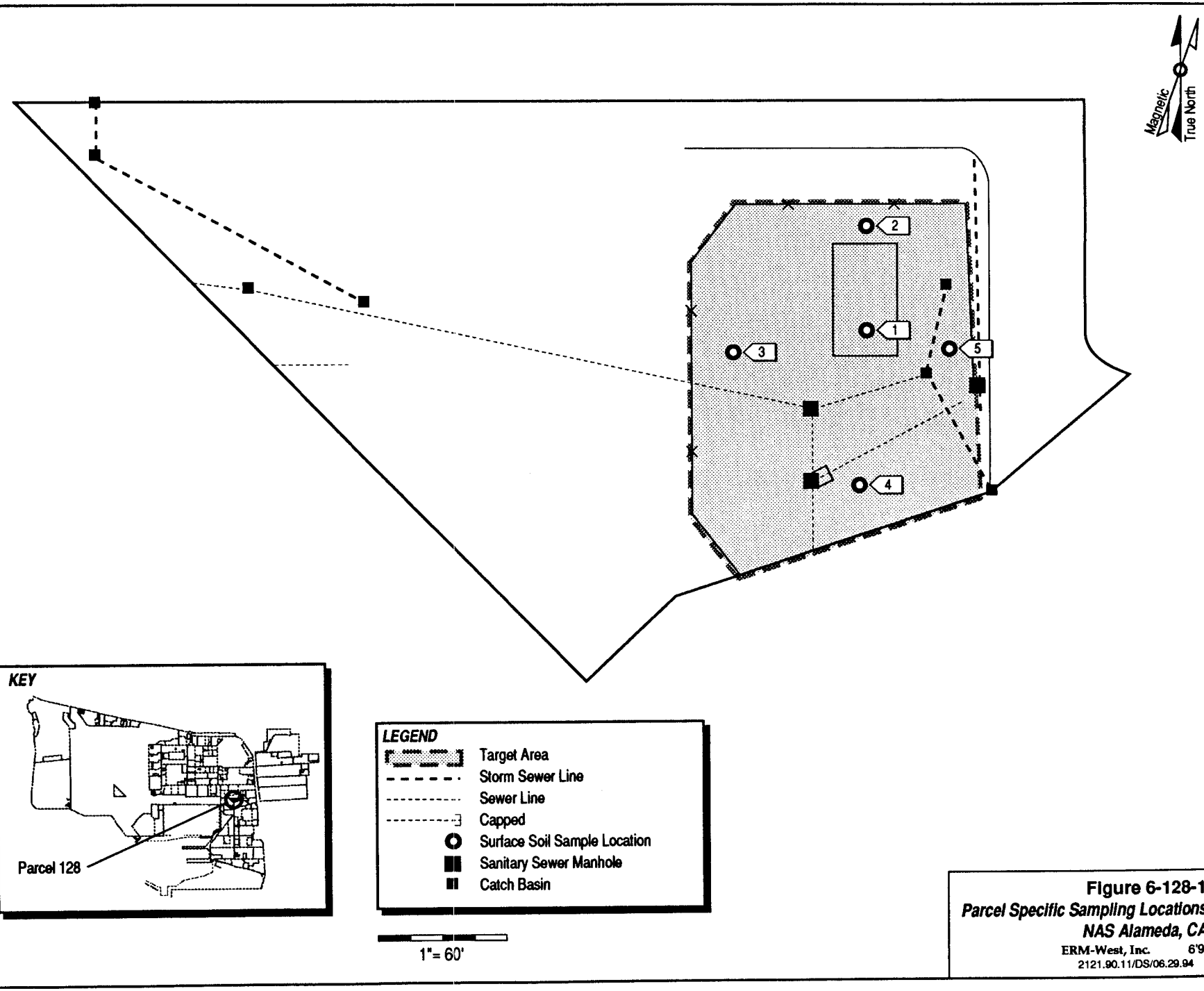


Figure 6-128-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/DS/06.29.94

TABLE 6-128-1

Summary of Recommended Samples
NAS Alameda Parcel 128

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
128-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels	TPH	Modified EPA 8015
128-1-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Fuels	TPH	Modified EPA 8015
128-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels	TPH	Modified EPA 8015
128-2-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Fuels	TPH	Modified EPA 8015
128-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels	TPH	Modified EPA 8015
128-3-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Fuels	TPH	Modified EPA 8015
128-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels	TPH	Modified EPA 8015
128-4-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Fuels	TPH	Modified EPA 8015
128-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels	TPH	Modified EPA 8015
128-5-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Fuels	TPH	Modified EPA 8015
128-5-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Fuels	TPH	Modified EPA 8015
128-5-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	Fuels	TPH	Modified EPA 8015

*These are the suggested locations for the confirmation sample. The actual locations will depend on field analytical results.

sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 17.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, no buildings or structures are present on Parcel 128. One building and one structure were formerly located on the parcel and have since been demolished. The parcel area is presently in use as a vehicle parking area. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-128-1.

Parcel 128 is located approximately 125 feet northeast of Installation Restoration (IR) Program Site 7B (Former Service Station), 425 feet northeast of IR Site 11 (Aircraft Engine Test Cell), and immediately northwest of IR Site 3 (Area 97, Aviation Gasoline Tanks). Previous investigations have been conducted at Parcel 128 and specific data regarding chemical occurrence are available.

Sampling locations associated with previous and proposed investigations on Parcel 128 are shown on Figure 6-128-1. Past subsurface investigations have been conducted to define the extent of the petroleum hydrocarbon contamination from fuel releases at Parcel 131 (IR Site 3). Over 300,000 gallons of AVGAS reportedly leaked from fuel tanks located on Parcel 131 in the 1960s and early 1970s, impacting the surrounding sanitary and storm sewers. Soil vapor samples (Canonie, 1990) from twelve locations in Parcel 128 were analyzed for benzene, toluene, ethylbenzene, xylenes, and petroleum hydrocarbons. Maximum concentrations of benzene, toluene, ethylbenzene, xylenes, and hydrocarbons in soil vapor samples were 73,000 µg/l, 51,000 µg/l, 1,000 µg/l, 440 µg/l, and 960,000 µg/l, respectively. AVGAS leached into an exploratory trench constructed in the eastern portion of Parcel 128. Soil analytical results from two monitoring wells (Kennedy, 1980) are unknown. Additional monitoring well, CPT/Hydropunch, and boring locations have been proposed as part of the on-going investigation to define the extent of contamination from IR Site 3 (Figure 6-128-1).

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Open Space

All of Parcel 128 is paved open space that is used for vehicle parking. Approximately 95 percent of the paved area is surfaced with asphalt and five percent is covered with concrete. The pavement is generally in good condition.

Building 109 was formerly located in the southeastern portion of this open space. This 310-square-foot building was constructed before 1947 and served as a gasoline truck loading stand. Building 109 was demolished between 1985 and 1990.

Structure 430 was constructed in 1957 and served as an aircraft truck fueling facility. According to site inspection data, the area formerly occupied by Structure 430 currently consists of a concrete pad, measuring approximately 30 feet by 40 feet, and an eight foot by twenty foot patch of bare soil. The demolition date for Structure 430 is unknown.

Utilities located within the open space include underground sanitary sewer, storm sewer, water, and electrical lines. An active fuel line passes through the eastern portion of Parcel 128. Railroad tracks border the west edge of Parcel 128, but are located on Parcel 127. A ventilation/scrubber unit located in the southeastern portion of Parcel 128 may be in place to mitigate fuel vapor build-up in the sewer system. No permits appear to have been issued for processes occurring within this open space.

The open space has been used for vehicle parking since approximately 1970. Aerial photographs indicate that the western half of the parcel was used to store unknown materials in 1958, while unknown materials appear to be stored throughout the entire parcel in a 1947 aerial photograph. No chemicals are documented to have been stored in Parcel 128.

Although no documented spills have occurred in Parcel 128, extensive staining in a 1947 aerial photograph indicates that spills may have occurred throughout the entire parcel. Scattered staining north and west of former Structure 430 is present in 1963, 1966, and 1970 aerial photographs. Site inspection data indicate that only scattered oil stains, typical of vehicle engine leakage, are currently visible in Parcel 128.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 128 is bounded by Parcels 122, 127, 129, and 131. Activities of concern on these parcels include hazardous material/waste storage in Parcel 122, and hazardous material storage near the south edge of Parcel 127. Parcel 131 is IR Site 3 (Area 97, Aviation Gasoline Tanks Area). Subsurface investigations related to IR Site 3 indicate that AVGAS contamination is migrating in a northwesterly direction across Parcel 128. Although elevated concentrations of benzene and hydrocarbons exist in soil vapor throughout most of the parcel, the extent of contamination has not yet been fully defined. Further investigation is planned for this parcel.

RCRA Sites

No RCRA sites are located at this parcel.

Parcel Reclassification and Data Gaps Summary

The data collected for this parcel indicate that there are no remaining data gaps that are likely to impact the BRAC Classification for this parcel.[1] The available information suggests that this parcel may tentatively be reclassified from BRAC Category 7 to BRAC Category 6.

Although this parcel was reclassified because it has been impacted by an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being

[1] This reclassification assumes that the RASO review does not identify any releases that have impacted this parcel.

TABLE 6-128-2

Summary of Data Gaps
NAS Alameda Parcel 128

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• No ACM issues identified.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No buildings exist at Parcel 128.
Installation Restoration (IR) Sites	• Parcel 128 is located approximately 125 feet northeast of Installation Restoration (IR) Program Site 7B (Former Service Station), 425 feet northeast of IR Site 11 (Aircraft Engine Test Cell), and immediately northwest of IR Site 3 (Area 97, Aviation Gasoline Tanks). Additional subsurface investigation relative to IR Sites 7B, 11, and 3 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• No LBP issues identified.
PCB-Containing Equipment[1]	• No PCB issues identified.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1 (Fuel Dispensing Area)
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-128-2

Summary of Data Gaps
NAS Alameda Parcel 128

Data Gap	Status/Description
Underground Utilities	• Sanitary sewer, storm sewer, water, and electrical lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• Fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-128-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 128 because no buildings are present.

Once the data gaps in Table 6-128-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 128 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

This subsection of the PEP discusses the specific parcel target area. The nature and location of the parcel-specific target area were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Fuel Dispensing Area): Based on the staining in historical aerial photographs and the uses of former buildings and structures on the parcel, the area surrounding the former buildings was identified as a potential release area. Target Area 1 covers approximately 25,000 square feet. The sampling in this Target Area supplements the sampling proposed by the IR contractor in this area of the parcel. This target area has been classified as having a potential likelihood of impacts. Five surface soil samples will be collected from this target area. Because the sources of release is likely to be fuel products dispensed at these locations, the compound of concern is TPH.

Screening-Level Investigation

Surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14), are the screening-level investigation technique that will be used to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-128-1 summarizes the screening-level sampling and analysis recommended for the target area on Parcel 128. Five surface soil samples will be collected from the locations shown on Figure 6-128-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Sampling locations shown on Figure 6-128-1 are approximate; however, one sample should be collected from the center of the concrete pad (former Structure 430) and one sample should be collected from the area immediately north of the concrete pad. Because no staining will be evident when locating the samples, field sample locations should mirror the locations shown in Figure 6-128-1 as closely as possible.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-131

PARCEL 131 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 131 at NAS Alameda (Figure 6-131-1). The parcel, which is located in the central portion of the base, is 3.7 acres in size and is roughly oval in shape. This parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 131, historical activities are discussed below.

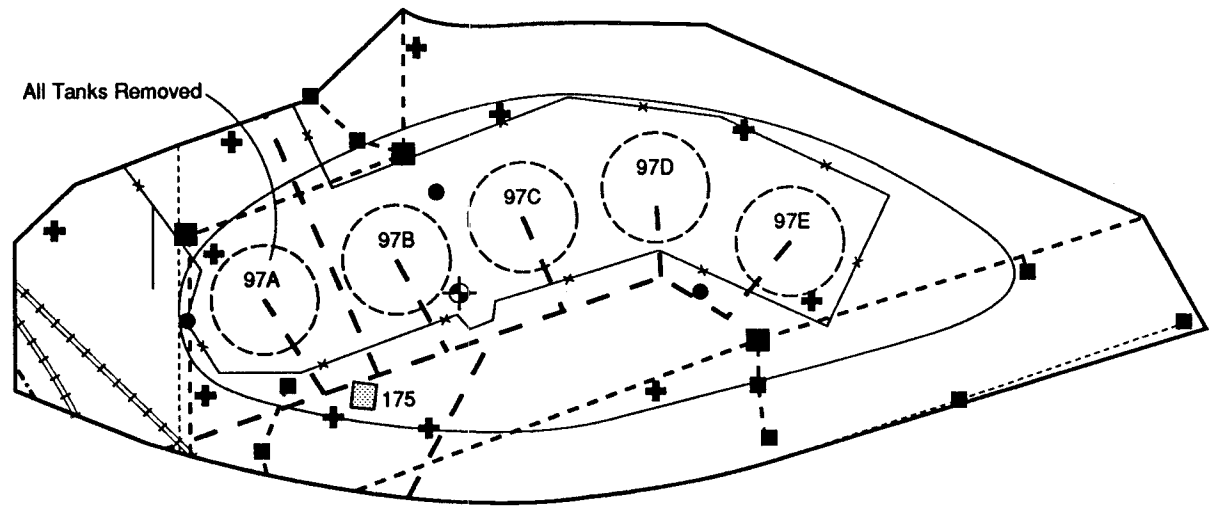
Background and Historical Activities

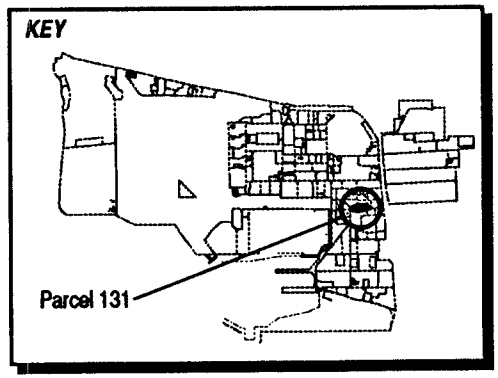
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 131, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 110, 111, 122, 123, 124, 125, 126, 127, 128, 135, 136, 137, 138, and 200. This parcel zone has been designated the Engine Testing and

Hazardous Materials Storage Zone (Zone 17). The Engine Testing and Hazardous Materials Storage Zone encompasses the parcels that have been used as engine testing, hazardous materials storage, and support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the





LEGEND

- Fuel Lines in Use
- Industrial Waste Line
- Storm Sewer Line
- Sewer Line
- Existing Soil Vapor Survey Location (*Canonie, 1990*)
- Existing Monitoring Well (*Canonie, 1990*)
- Existing Monitoring Well (*Kennnedy, 1980*)
- Sanitary Sewer Manhole
- Catch Basin

Note: *No sampling required for this parcel.*

1"= 125'

Figure 6- 131-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.10/DS/07.18.94

entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 17.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 175, a transformer house) and one structure (Structure 71, the airplane monument) cover less than one percent of the parcel. The remainder is open space. The parcel area is presently in use as a lawn area. Five storage tanks that were partially buried and partially aboveground were formerly located at this parcel (Figure 6-131-1) and have since been demolished. Limited investigations pertaining to these tanks have been conducted. Fuel and sewer lines are present at this parcel and are shown in Figure 6-131-1.

Parcel 131 is IR Site 3 (Area 97). Previous investigations have been conducted at Parcel 131 and specific data regarding potential chemical occurrence are available. Soil vapor, soil, and groundwater have been extensively investigated. Investigation results show that a plume from the spill is traveling in a northwesterly direction and may affect parcels 110, 111, 121, 122, 123, 124, 125, 126, 127, 128, and 71. The detection limits for soil samples from this parcel exceeded the residential PRG for arsenic. Results from the soil vapor survey showed maximum concentrations of benzene, ethylbenzene, toluene, total xylenes, and hydrocarbons of 73 ppm, 58 ppm, 1 ppm, 0.51 ppm, and 810 ppm, respectively.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within the parcel are described in detail below.

Building 175

Building 175 was constructed in approximately 1945 and serves as a transformer house (Figure 6-131-1). This building is in poor condition. Building 175 a is one story building, is constructed of concrete with a concrete floor and concrete roof, and covers approximately 100 square feet. The space occupied by Building 175 was formerly open space. Utilities located within and immediately surrounding Building 175

include underground sanitary sewer, storm sewer, and active fuel lines. No chemicals are documented to have been stored in or used at Building 175 from 1945 to present.

Site inspection information indicates that undocumented spills may have occurred from the transformers, switches, and gaskets on the equipment. These spills appear to be oil-like in origin, and to have involved a minor quantity of released material. The staining covers an area measuring approximately two by two feet, and does not warrant sampling. Building 175 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within Building 175.

Open Space

The parcel consists almost entirely of open space. An airplane monument and railroad tracks are located in the open space. The open space formerly contained five storage tanks.

The railroad tracks on the parcel were constructed immediately after the parcel was filled (Figure 6-131-1). The ground surface of the open space is 40 percent paved and 60 percent unpaved. Approximately 90 percent of the paved area is surfaced with asphalt and 10 percent is surfaced with concrete. The pavement is generally in fair condition. The unpaved areas of the open space are covered with grass and landscaping.

Five storage tanks were formerly located in this open space. These tanks have been demolished. EBS information indicates that these tanks stored aviation gasoline. Aviation gasoline storage occurred on this parcel from 1945 to approximately 1985. Utilities located within and immediately surrounding open space include underground industrial sewer, sanitary sewer, storm sewer, and fuel lines (shown on EBS maps as active lines).

Spills of aviation gas are documented to have occurred from the 1960's until 1978. Approximately 365,000 gallons of aviation gasoline were released into the shallow groundwater, the sewers and the utility ducts. No other incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within the parcel open space.

Underground Storage Tanks

Five underground storage tanks were formerly present at this parcel (Tanks 97A, 97B, 97C, 97D, and 97E). These tanks were installed in 1945, were located at the present site of the airplane monument in the center of Parcel 131. These tanks were used to store aviation gasoline, and had a capacity of 100,000 gallons each. The former presence of these tanks were identified from the EBS. Based on the available information, extensive releases from these tanks occurred.

Parcel Boundary Conditions

Parcel 131 is bounded by Parcels 129, 128, 127, 135, 134, 133, 130, and 209. Parcels 135, 137, and 143, are IR Sites 7B (Building 162), 11 (Building 14), and 4 (Building 360), respectively. Former and current activities of concern on these adjacent parcels include the service station at IR Site 7B, plating and metal work at IR Site 4, and the engine test cells at IR Site 11.

No sampling is called for in this PEP in response to the three nearby IR sites, and the IR site on the parcel. However, investigations are continuing as part of the IR program. If the continuing investigations at these IR sites reveal additional cause for concern at Parcel 131, then additional sampling on Parcel 131 may be appropriate.

RCRA Sites

No RCRA sites were identified on this parcel.

Parcel Reclassification and Data Gaps Summary

The available information suggests that this parcel may tentatively be reclassified from BRAC Category 7 to BRAC Category 6, based on its status as an IR site.

Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-131-2 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently

TABLE 6-131-1

Summary of Data Gaps
NAS Alameda Parcel 131

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 131.
Installation Restoration (IR) Sites	• Parcel 131 is IR Site 3 (Area 97). Significant releases to soil and groundwater have been documented at this parcel. • IR Site 7B (Building 162) is located less than 200 feet southwest of Parcel 131. • IR Site 11 (Building 14) is located less than 500 feet southwest of Parcel 131. • IR Site 4 (Building 360) is located less than 300 feet southeast of Parcel 131. Additional subsurface investigation relative to IR Sites 7B, 3, and 11 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Releases to groundwater are documented to have occurred at this parcel.
Potential Zone-Wide Release Areas	• Railroad Tracks
Potential Parcel-Specific Release Areas	• No potential release areas identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-131-1

Summary of Data Gaps
NAS Alameda Parcel 131

Data Gap	Status/Description
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• Five USTs were formerly present at this parcel (Tanks 97A, 97B, 97C, 97D, and 97E). These tanks were installed in 1945, used to store aviation gasoline, and had capacities of 100,000 gallons each. Based on the available information, releases from these tanks occurred.
Underground Utilities	• Industrial sewer, sanitary sewer, storm sewer, and electrical lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• Fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

underway to address the following data gaps at this parcel: transformers, underground storage tanks, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewers is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 131 because no industrial buildings are present.

As noted earlier, Parcel 131 has open space areas that are landscaped/unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 131.

Once the data gaps in Table 6-131-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 131 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

One zone-wide target area was identified for Parcel 131. No parcel-specific target areas were identified for this parcel. This subsection of the PEP provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 17. The nature and location zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Zone 17 Target Area 1 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Engine Testing and Hazardous Materials Storage Zone. Railroad

tracks are located in the western portion of the parcel. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas. No surface soil samples for this zone target area are located on this parcel. Soil samples on other parcels will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means.

In addition, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological issues, the IR site, and USTs must be resolved before this parcel can be reclassified from BRAC Category 6, leased, or transferred.

SECTION 6-135

PARCEL 135 EVALUATION PLAN

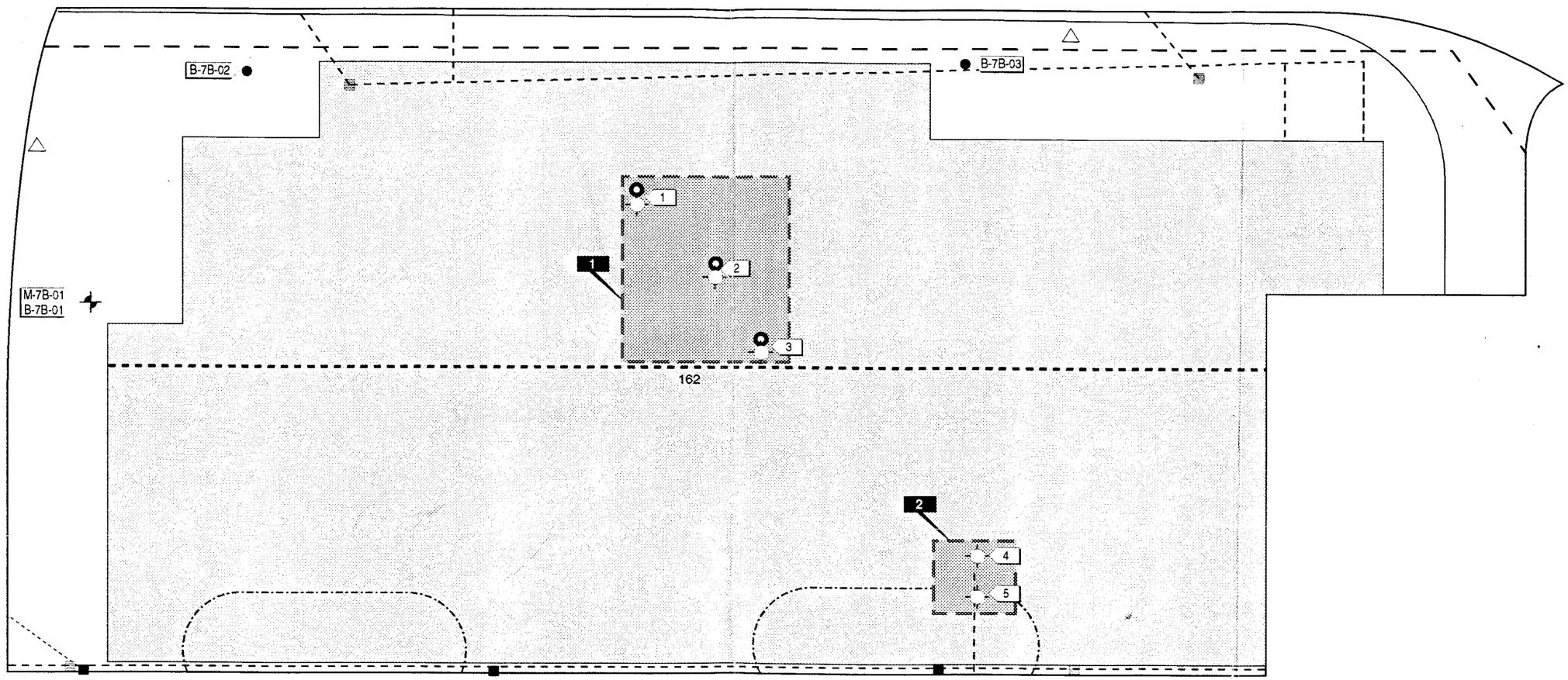
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 135 at NAS Alameda (Figure 6-135-1). The parcel, which is located in the south-central portion of the base, is approximately three acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel reportedly to contains four RCRA sites (GAP Site 11, GAP Site 46, two former waste oil tanks, and an unnumbered site). Two parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. Surface soil and subsurface soil sampling will be used to accomplish the screening-level investigation. Table 6-135-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 135, historical activities are discussed below.

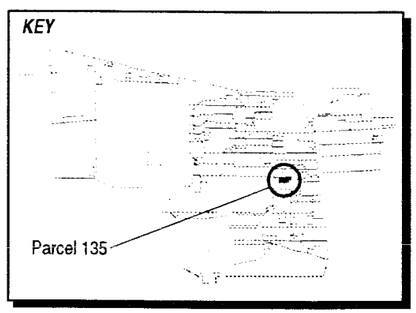
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 135, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which inluded site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 110, 111, 122, 123, 124, 125, 126, 127, 128, 131, 136, 137, 138, and 200. This parcel zone has been designated the Engine Testing and Hazardous Materials Storage Zone (Zone 17). The Engine Testing and Hazardous Materials Storage Zone encompasses the parcels that have been used as engine testing,





LEGEND

- Target Areas 1 and 2
- Steam Line
- Fuel Lines in Use
- Industrial Waste Line
- Storm Sewer Line
- Sewer Line
- Surface Soil Sample Location
- Geoprobe Subsurface Sioil Sampling Location
- Existing Monitoring Well Location
- Existing Soil Boring Location
- Proposed CPT/Hydropunch Location *(PRC)*
- Sanitary Sewer Manhole
- Catch Basin

1"= 45'

Figure 6-135-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.10/DS/07.18.94

TABLE 6-135-1

Summary of Recommended Samples
NAS Alameda Parcel 135

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
135-1-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Oils, Metals, Solvents	VOCs, Metals, TPH	EPA 8240, ICAP Scan, Modified EPA 8015
135-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils, Metals	TPH, Metals	Modified EPA 8015, ICAP Scan
135-2-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Oils, Metals, Solvents	VOCs, Metals, TPH	EPA 8240, ICAP Scan, Modified EPA 8015
135-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils, Metals	TPH, Metals	Modified EPA 8015, ICAP Scan
135-3-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Oils, Metals, Solvents	VOCs, Metals, TPH	EPA 8240, ICAP Scan, Modified EPA 8015
135-3-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	Fuels, Oils, Metals, Solvents	TPH, VOCs, Metals	Modified EPA 8015, CLP RAS
135-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils, Metals	TPH, Metals	Modified EPA 8015, ICAP Scan
135-3-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Fuel, Oils, Metals	TPH, Metals	Modified EPA 8015, CLP RAS
135-4-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 2	Oils, Metals, Solvents	VOCs, Metals, TPH	EPA 8240, ICAP Scan, Modified EPA 8015
135-5-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 2	Oils, Metals, Solvents	VOCs, Metals, TPH	EPA 8240, ICAP Scan, Modified EPA 8015
135-5-4-S-V-DDMMYY*	4.0'**	GeoProbe	Soil	Target Area 2	Fuel, Solvents, Oils, Metals	TPH, Metals, VOCs	Modified EPA 8015, CLP RAS

*These are the proposed locations for the confirmation samples. Actual locations will depend on field analytical results.
**Samples will be collected from either side of the sump at a depth equal to the bottom of the sump

hazardous materials storage, and support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 17.

Filling began in the area covered by this parcel in 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 162) covers approximately 80 percent of the parcel. The remaining 20 percent is open space. The parcel area is presently in use as a maintenance facility for ship components. There is no evidence that any buildings formerly existed at this parcel. Underground fuel, steam, and sewer lines are present on this parcel and are shown on Figure 6-135-1.

Parcel 135 is Installation Restoration (IR) Program Site 7B. A previous investigation was conducted at this parcel in 1992 as part of Remedial Investigation Phases 2B and 3. The results of this previous investigation are presented in *Data Summary Report, RI/FS, Phases 2B and 3*, prepared by PRC Environmental Management and J.M. Montgomery Consulting Engineers, dated October 27, 1992. This investigation was directed at the open space around Building 162. No investigation or sampling was conducted in or beneath the building. As part of this investigation, three soil borings were drilled at this site; one was subsequently completed as a groundwater monitoring well. Twelve soil samples and one duplicate sample were collected from the borings. The monitoring well was also sampled. The locations of these borings and monitoring well are shown on Figure 6-135-1. The soil samples were analyzed for VOCs, SVOCs, TRPH, pesticides/PCBs, and metals. The ground water samples were analyzed for VOCs, SVOCs, metals, and general minerals.

The results of this investigation indicated that TRPH was detected in five soil samples (ranging from 55.3 mg/kg to 508 mg/kg), VOCs were detected in nine soil samples (ranging from 11 µg/kg to 120 µg/kg), and SVOCs were detected in six soil samples (ranging from 88 µg/kg to 3,300 µg/kg). Three samples collected from this parcel contained concentrations of several polynuclear aromatic hydrocarbons that exceeded the unrestricted use (residential) Preliminary Remedial Goals (PRGs). One sample also contained Benzo(a)pyrene above the industrial PRG. Two metals (arsenic and beryllium) were detected at levels exceeding the unrestricted use PRGs in the majority of soil

samples collected. The industrial PRG was exceeded for arsenic in five of the samples collected. The industrial PRG was exceeded for beryllium in six of the samples collected. All other metals were detected at levels below PRGs.

The results of the groundwater investigation indicated that elevated levels of VOCs were detected in the monitoring well. SVOCs, pesticides/PCBs, and TPH were not detected in the ground water. Because no background data are available for metals in this area, no conclusions were made about the detected levels of metals in ground water.

As part of the IR program, additional site investigation work has been proposed for the open space associated with Building 162. Two CPT/HydroPunch sampling locations have been proposed to investigate potential contamination associated with several underground storage tanks that reportedly exist on the north and west side of Building 162. The locations of the proposed borings and monitoring wells are shown on Figure 6-135-1.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 162

Building 162, located in the central portion of the parcel, was reportedly constructed in 1945. This two-story warehouse-style building has been used as a maintenance shop for ship components (Figure 6-135-1). The mezzanine upstairs is a mechanical shop. This building is constructed with wooden walls, a concrete floor, and a tar and gravel roof. The building is in fair condition and occupies approximately 110,000 square feet. The space occupied by Building 162 was formerly vacant open space.

Utilities located within and immediately surrounding Building 162 include underground sanitary sewer, storm sewer, water, electrical, fuel, and industrial sewer lines, and overhead electrical lines.

Information collected during the EBS indicates that Building 162 was also used as an aircraft maintenance shop. The activities on the main shop floor include sand blasting, welding, photo-engraving, and metal

plating. The metal plating area is located in the southwest corner of the building. A metal lathe and drill area occupies the majority of the ground floor. Testing of numerous small engines and pumps occurs in the building. The tests are conducted in water filled vats. These types of industrial processes typically involve the use or generation of chemicals and wastes including fuel, lubrication oil, metals, and solvents for parts cleaning.

A variety of chemicals are documented to have been stored in and used in Building 162. These include sulfuric acid, paints, lubricants, solvents, varnish, and metal plating solutions. The disposal practices for used chemicals are not known. Several areas in Building 162 are used to store hazardous waste. These materials include lead-containing sand from sand blasting operations, spent oil absorbent, caustic soda with metals, and plating solutions.

No spills are documented to have occurred in Building 162. However, staining occurs at various locations within the building. The majority of stains are dark in appearance and appear to have been caused by leakage of fuels, solvents, and oils. Two areas in the central area of the building are significantly stained. These include stains that cover approximately 1,600 square feet and 700 square feet, and were both caused by unknown chemicals. These stained areas are addressed by Target Area 1.

Building 162 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents, such as including fires, explosions, flooding, or crashes have been documented to have occurred within Building 162.

Open Space

The open space covers approximately 20 percent of the parcel. The ground surface of the open space is covered with asphalt roadways and concrete. It appears that the open space has always been vacant open space.

Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, water, electrical, fuel, and industrial sewer lines, and overhead electrical lines. EBS information indicates that the open space associated with this site has been used for parking for Building 162. Several of the alleyways on this parcel are also used for repair and testing of ship components.

No chemicals are documented to have been stored or used in the open space; however, it is likely that products such as fuels, lubrication oils

and solvents were used in these areas. Sampling has either already been conducted in the open spaces or is proposed for the next phase of work by the IR contractor. No other incidents, such as including fires, explosions, flooding, or crashes have been documented to have occurred within the open space.

Underground Storage Tanks

Two abandoned underground storage tanks are present at this parcel (Tanks 162-1 and 162-2). The tanks were installed in 1945 and are located north of Building 162. The tanks were used to store gasoline and waste oil, and have capacities of 100 and 150 gallons, respectively. Tank 162-2 was also used to store JP-5. The presence of these tanks was identified from the EBS. One of these tanks was filled with concrete (it is unclear from the records which one was filled). These tanks are scheduled to be removed. The available information did not identify why the tanks were abandoned. However, based on general comments made by NAS Alameda personnel, tanks were most commonly abandoned because they were leaking. These tanks have been identified as RCRA tanks based on their former contents.

The EBS lists one other tank as being located on this parcel. No other information is available regarding this potential tank.

Parcel Boundary Conditions

Parcel 135 is bounded by Parcels 125, 126, 127, 134, 136, 137, and 200. Parcel 137 is IR Site 11 (Building 14). Activities of concern on the adjacent parcels include fuel and solvent usage on Parcel 137. Parcel 135 is located approximately 50 feet to the southwest of Parcel 131. Parcel 131, IR Site 3 (Area 97), previously contained several large above-ground storage tanks which are known to have leaked.

No sampling is called for in this PEP in response to the three nearby IR sites. If the continuing investigations at the IR sites reveal additional cause for concern at Parcel 135, then additional sampling on Parcel 135 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes four RCRA sites

(GAP Site 11, GAP Site 46, the waste oil USTs, and an unidentified site). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, of the four RCRA sites at this parcel, two require further investigation (GAP 11 and the USTs). The two remaining sites do not require sampling because no staining was noted at GAP Site 46, and the location of the unnumbered site eliminates potential concerns associated with this site. The sampling proposed for GAP site 11 is described in the Target Areas and Compounds of Concern subsection. A brief description of each of the RCRA sites is provided below.

The tanks were identified as RCRA tanks based on their former contents and their inclusion in the RCRA Facility Investigation (RFI) for NAS Alameda. The tanks are scheduled to be removed. A description of the tanks is provided in the Underground Storage Tank subsection, above. The requirements for the RFI are described in detail in Section 8. At NAS Alameda, RCRA tank sites that would normally require an RFI will be investigated and remediated, if necessary, as part of the UST program.

GAP Site 11 is reported to be a sump containing waste oils. The startup date, history of releases, and the current status of this site are unknown. The exact location of this site is not known, but is surmised to be the catch basin in the southeastern portion of the building. This GAP site is addressed by Target Area 2.

GAP Site 46 is a storage area for aerosol cans, 55-gallon drums and 5-gallon pails containing paint, 1,1,1 TCA, lubrication oil, solvents, and acetone. It is unknown whether any chemicals have been released from this site. This site is currently active and no staining or other evidence of spillage was observed to be associated with this GAP site.

The un-numbered GAP site is reported to be located in the laboratory of Building 162 (the mezzanine). The dimensions or type of storage facility is unknown, but it reportedly stores oil and 1,1,1 TCA. It is not known if this site is currently active. Because this site is located on an upper floor of the building, no sampling is currently required at this GAP site.

Parcel Reclassification and Data Gaps Summary

The data collected for this parcel indicate that there are no remaining data gaps that are likely to impact the BRAC Classification for this

TABLE 6-135-2

Summary of Data Gaps
NAS Alameda Parcel 135

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• IH issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 7B is located on Parcel 135. • IR Site 11 is located less than 100 feet south of Parcel 135. • IR Site 3 is located approximately 200 feet northeast of Parcel 135. Evidence of potential groundwater contamination migration from this IR site has been identified, and is being addressed as part of the IR site program. • IR Site 17 is located less than 300 feet west of Parcel 135. • Additional subsurface investigation relative to IR Sites 3, 11, and 7B is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-135-2

Summary of Data Gaps
NAS Alameda Parcel 135

Data Gap	Status/Description
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1 (Building 162, Central Stained Area) • Target Area 2 (GAP Site 11)
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• Two abandoned USTs are present at this parcel (Tanks 162-1 and 162-2). The tanks were installed in 1945 and are located north of Building 162. One of these tanks was filled with concrete. These tanks are scheduled to be removed. One additional tank is listed in The EBS list one other tank as being located on this parcel. No other information is available regarding this potential tank.
Underground Utilities	• Sanitary sewer, storm sewer, water, electrical, and industrial sewer lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

parcel.[1] The available information suggests that this parcel may tentatively be reclassified from BRAC Category 7 to BRAC Category 6.

Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-135-2 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewers is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 162. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-135-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 135 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

This subsection of the PEP discusses the specific parcel target areas. The nature and location of this area was evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

[1] This reclassification assumes that the RASO review does not identify any releases that have impacted this parcel.

- Target Area 1 (Building 162, Central Area): This target area is located in the central portion of Building 162, and encompasses the large stained areas noted during the site inspection. The chemicals of concern in this target area include fuel, lubrication oils, metals from plating solutions, and solvents for parts cleaning. This target area contains the areas with the most severe staining and is estimated to occupy approximately 3,000 square feet. This target area has been classified as having a potential likelihood of impact. Samples to be collected in this target area are listed in Table 6-135-1, and will be analyzed for TPH, Metals, and VOCs.

- Target Area 2 (GAP Site 11): This target area is reportedly a sump for the collection of waste oils. The chemicals of concern in this target area include fuel, lubrication oils, metals from plating solutions, and solvents for parts cleaning. This target area has been classified as having a suspect likelihood of impact. Samples to be collected in this target area are listed in Table 6-135-1, and will be analyzed for TPH, Metals, and VOCs.

Screening-Level Investigation

Surface soil sampling (SOP 3) and subsurface GeoProbe soil sampling (SOP 14) are the screening-level investigation techniques that will be used to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

Table 6-135-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 135. Five subsurface soil samples and three surface soil samples will be collected from the locations shown on Figure 6-135-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

The sampling locations presented on Figure 6-135-1 are approximate and the actual sampling points will be based on field observations. The recommended sampling at Target Area 1 results in a sampling density less than the protocol standard as stated in Table 3-1. In areas of the most significant staining, a surface soil sample and a subsurface soil sample will be collected from beneath the building floor. The surface soil samples will be analyzed for metals, TPH, and SVOCs. The subsurface soil sample will be analyzed for VOCs.

The sampling locations for Target Area 2 are shown in the southeastern portion of the building at the catch basin. The exact location of the sump will be verified by the personnel performing the sampling activities. Subsurface GeoProbe soil samples will be collected from two sides of the sump. Samples will be collected from a depth equal to the depth of the sump bottom.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-136

PARCEL 136 EVALUATION PLAN

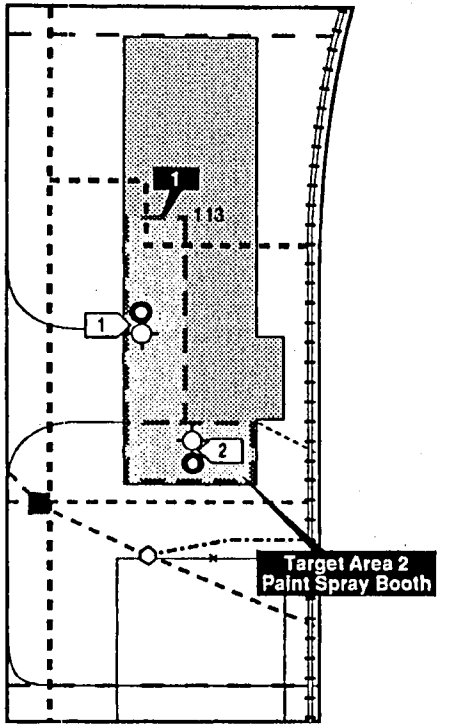
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 136 at NAS Alameda (Figure 6-136-1). The parcel, which is located in the southeastern central portion of the base, is approximately one acre in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains two RCRA sites. Neither site has been identified in the Part B Permit as requiring an RFI. Two parcel-specific and one zone-wide target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface soil sampling. Table 6-136-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 136, historical activities are discussed below.

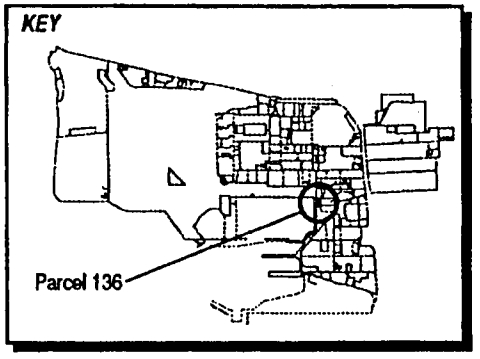
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 136, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel were determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine area on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 110, 111, 122, 123, 124, 125, 126, 127, 128, 131, 135, 137, 138, and 200. This parcel zone has been designated the Engine Testing and Hazardous Materials Storage Zone (Zone 17). The Engine Testing and Hazardous Materials Storage





LEGEND

- Target Areas 1 and 2
- Steam Line
- Fuel Lines in Use
- Industrial Waste Line
- Storm Sewer Line
- Sewer Line
- Subsurface Geoprobe Sample Location
- Surface Soil Sample Location
- Sanitary Sewer Manhole
- Catch Basin (Industrial Waste)

1"= 90'

Magnetic
True North

Figure 6- 136-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 794
2121.90.10/DS/07.07.94

TABLE 6-136-1

Summary of Recommended Samples
NAS Alameda Parcel 136

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
136-1-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Fuels, Oils, Solvents, Paints	VOCs, TPH, SVOCs, Metals	EPA 8240, Modified EPA 8015, EPA 8270, ICAP Scan
136-1-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	Fuels, Oils, Solvents, Paints	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, CLP RAS
136-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils, Paints	Metals, SVOCs, TPH	Modified EPA 8015, EPA 8270, ICAP Scan
136-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils, Paints	Metals, SVOCs, TPH	CLP RAS, Modified EPA 8015
136-2-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 2	Solvents, Paints	VOCs, Metals, SVOCs	EPA 8240, ICAP Scan, EPA 8270
136-2-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 2	Solvents, Paints	VOCs, Metals, SVOCs	CLP RAS
136-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Paints	Metals, SVOCs	ICAP Scan, EPA 8270
136-2-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 2	Paints	Metals, SVOCs	CLP RAS

*These are the suggested locations of the confirmation sample. The actual locations will depend of screening-level analytical results.

Zone encompasses the parcels that have been used as engine testing, hazardous materials storage, and support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 17.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Buildings 113, Aircraft Parts Shipping and Overhaul) covers approximately 25 percent of the parcel. The remaining 75 percent is open space. The parcel area is presently in use as the Aircraft Parts Shipping and Overhaul Facility and for associated vehicle parking. No other buildings or structures were formerly located on this parcel. Underground fuel, steam, and sewer lines are present on this parcel and are shown on Figure 6-136-1.

Parcel 136 is located immediately west of two Installation Restoration (IR) Program sites (IR Site 7B - Building 162, Service Station and IR Site 11 - Building 14, Engine Test Facility). Parcel 136 is also within 100 feet of the Seaplane Lagoon. No previous investigations have been conducted at Parcel 136, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 113

Building 113 was constructed in 1943 and served as an Aircraft Parts Shipping and Overhaul Facility (Figure 6-136-1). This building is in fair condition. Building 113 is a one-story building constructed of metal with a concrete floor and metal roof, and covers approximately 13,000 square feet. The space occupied by Building 113 was formerly open space used for vehicle parking. Utilities located within and immediately surrounding Building 113 include sanitary sewer, storm sewer, fuel, and industrial sewer lines.

Information collected during the EBS indicates that activities conducted within this building included aircraft overhaul and repair. These industrial processes involve the use of oils, lubricants, solvents, paints, and corrosives, and generation of wastes, including metals, and sandblast grit. Aircraft overhaul and repair occurred within Building 113 from 1943 to the present.

Oils, resins, silicones, paint, cleaning agents, solvents, corrosives, phenols, and ethylamines are documented to have been stored in the storage cabinets on the south side of the paint room portion of Building 113 during the site inspection. Approximately 150 gallons of the above-mentioned chemicals were stored in Building 113. Disposal of used chemicals is accomplished by sending all hazardous waste to the hazardous waste collection department.

Stains from paint, resins, and sodium hydroxide were noted on concrete surfaces during the site inspection. These spills appear to have involved a relatively large quantity of material. The staining covers 75 percent of the entire floor of the building. The shop areas area addressed by Target Area 1. The staining in the paint booth completely covers the floor. The paint booth is addressed by Target Area 2.

Building 113 is not equipped with a heating-ventilation-air conditioning (HVAC) system. Large amounts of dust, apparently generated from sandblasting activities, were noted during the site inspection. This dust is apparently generated from sandblasting lead paint off containers. No other incidents are documented to have occurred within Building 113.

Open Space

The open space covers approximately 75 percent of the parcel. The open space is completely paved with asphalt. No structures are located within the open space. Utilities located within and immediately surrounding the open space include sanitary sewer, storm sewer, steam, fuel, and industrial sewer lines. No chemicals are documented to have been stored in or used at the open space. No spills or staining area documented to have occurred in the open space.

No other incidents are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 136 is bounded by Parcels 125, 23, 155, 138, 137, 135, and 126. Parcel 136 is located next to two Installation Restoration (IR) Program sites (IR Sites 7B and 11: Building 162, Service Station and Building 14, engine test facility). Parcel 136 is also in close proximity to the Seaplane Lagoon. Activities of concern on these adjacent parcels include engine test cell activities on Parcel 137 and engine repair and overhaul on Parcel 135. The former Seaplane Lagoon is located just west of Parcel 136.

No sampling is called for in this PEP in response to the nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 136, then additional sampling on Parcel 136 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes two RCRA sites (site numbers SMWU/GAP 76, and SMWU/GAP 77). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, neither RCRA site requires sampling. The floor of Building 113 is paved, and the materials stored are not likely to have resulted in an impact to the environment. The locations of the sites could not be determined during the EBS information. A brief description of the two RCRA sites is provided below. The sampling proposed is described in the Target Areas and Compounds of Concern subsection, below.

Site 76 is Building 113, Shop 96212. It is unknown whether any chemicals were released from this site. Site 76 consists of 55-gallon drums for the collection of aerosol cans. The chemicals of concern associated with this site include aerosol paint and rust remover, dope and lacquer thinner, oil, enamel paint and 1,1,1-TCA. This site is reportedly active.

Site 77 is Building 113, Shop 96215. It is unknown whether any chemicals were released from this site. Site 77 consists of bags of used blasting grit. The chemicals of concern associated with this site include metals. This site is reportedly active.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 136, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-136-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 113. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-136-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 136 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains two parcel-specific target areas and is also contained in a zone with a zone-wide target area. This subsection of the PEP discusses specific parcel target areas and provides an overview

TABLE 6-136-2

Summary of Data Gaps
NAS Alameda Parcel 136

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• IH issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• Parcel 136 is located immediately west of two Installation Restoration (IR) Program sites (IR Sites 7B and 11: Building 162, Service Station and Building 14, engine test facility). Parcel 136 is also within 100 feet of the Seaplane Lagoon. Additional subsurface investigations relative to IR Sites 7B and 11 are proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks
Potential Parcel-Specific Release Areas	• Target Area 1 (Building 113, Shop Area) • Target Area 2 (Building 113, Paint Booth)

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-136-2

Summary of Data Gaps
NAS Alameda Parcel 136

Data Gap	Status/Description
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Sanitary sewer, storm sewer, and industrial sewer lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 17. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following two parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-136-2.

- Parcel 136 Target Area 1 (Building 113, Shop Area): The target area is the shop area of Building 113, which is located on the west side of the building. This target area is intended to be representative of the remainder of the stained area of the building floor, excluding the paint booth. The compounds of concern are metals, VOCs, TPH, and SVOCs. This target area has been classified as having a potential likelihood of impacts. The target area is approximately 1,200 square feet in area. Samples to be collected in this Target Area are listed in Table 6-136-1.

- Parcel 136 Target Area 2 (Building 113, Paint Booth): The target area is the paint booth of Building 113, which is located on the southern portion of the building. The floor is completely and severely stained in this area. The compounds of concern are SVOCs, VOCs, and metals. This target area covers approximately 1,200 square feet and has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-136-1.

- Zone 17 Target Area 1 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Engine Testing and Hazardous Materials Storage Zone. However, only unpaved tracks, or tracks in potential loading and unloading areas will be sampled. Railroad tracks are located in the western portion of the parcel. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas. No surface soil samples for this zone target area is located on this parcel. Soil samples on other parcels will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means.

Screening-Level Investigation

Two screening-level techniques will be employed to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface GeoProbe soil sampling (SOP 14). The samples should be located in the areas with the most significant staining.

Table 6-136-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 136. Two subsurface soil samples and two surface soil samples will be collected from the locations shown on Figure 6-136-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil gas sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-137

PARCEL 137 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 137 at NAS Alameda (Figure 6-137-1). The parcel, which is located in the east central portion of the base, is approximately two acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel is reportedly contains three RCRA sites (GAP sites 47 and 48, and the tanks). One parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. Surface soil and subsurface soil sampling will be used to accomplish the screening-level investigation. Table 6-137-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 137, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 137, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 110, 111, 122, 123, 124, 125, 126, 127, 128, 131, 135, 136, 138, and 200. This parcel zone has been designated the Engine Testing and Hazardous Materials Storage Zone (Zone 17). The Engine Testing and Hazardous Materials Storage Zone encompasses the parcels that have been used as engine testing, hazardous materials storage, and support facilities. During the

TABLE 6-137-1

Summary of Recommended Samples
NAS Alameda Parcel 137

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
137-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
137-1-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
137-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
137-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
137-3-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
137-3-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Solvents, Fuels	TPH, VOCs	Modified EPA 8015, EPA 8240
137-3-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	Solvents, Fuels	TPH, VOCs	Modified EPA 8015, CLP RAS
137-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
137-4-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Solvents, Fuels	VOCs, TPH	EPA 8240, Modified EPA 8015
137-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 17.

Filling began in the area covered by this parcel in 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, two buildings occupy approximately 45 percent of the parcel. The remaining 55 percent is open space. The parcel area is presently in use as an aircraft engine test and repair facility. Fuel, steam, and sewer lines exist at this parcel and are shown on Figure 6-137-1.

Parcel 137 is an Installation Restoration (IR) Program site (IR Site 11, Building 14). A previous investigation was conducted at this parcel in 1992 as part of the Remedial Investigation Phases 2B and 3. The results of this previous investigation are presented in *Data Summary Report, RI/FS, Phases 2B and 3*, prepared by PRC Environmental Management and J.M. Montgomery Consulting Engineers, dated October 27, 1992. This investigation was directed at the open space around Building 14, and did not involve any investigation or sampling in or beneath the building. As part of this investigation, seven soil borings were installed at this site, and four were subsequently completed as ground water monitoring wells. Twenty-eight soil samples and two duplicate samples were collected from the borings. The four monitoring wells were also sampled. The locations of these borings and monitoring wells are shown on Figure 6-137-1. The soil samples were analyzed for VOCs, SVOCs, TRPH, and metals. The groundwater samples were analyzed for VOCs, SVOCs, metals, and general chemicals.

The results of this investigation indicate that TRPH were detected in 13 soil samples (ranging from 34.5 mg/kg to 28,700 mg/kg), VOCs were detected in 22 soil samples (ranging from 8.2 µg/kg to 490 µg/kg), and SVOCs were detected in 12 soil samples (ranging from 150 µg/kg to 1,400 µg/kg). Three samples collected from this parcel contained levels of several polynuclear aromatic hydrocarbons that exceeded the residential Preliminary Remedial Goals (PRGs). The levels of Benzo(a)pyrene and Ideno(1,2,3-cd)pyrene in these samples also exceeded industrial PRGs. Two metals (arsenic and beryllium) were detected at levels exceeding the residential PRGs in the majority of soil samples collected. The industrial PRG for arsenic was also exceeded in 13 of the samples collected. The industrial PRG was exceeded for

beryllium in 9 of the samples collected. All other metals were detected at levels below PRGs.

The results of the ground water investigation indicate that elevated levels of VOCs were detected in three of the four monitoring wells SVOCs, Pesticides/PCBs, and TPH were not detected in any of the monitoring wells. Because no background data are available for metals in this area, no conclusions were made about the detected levels of metals in groundwater.

As part of the IR program, additional site investigation work has been proposed for the open space associated with Building 14. Seven soil borings, two monitoring wells, and two CPT/HydroPunch sampling locations have been proposed to investigate potential contamination associated with several underground storage tanks that reportedly exist on the south and west side of Building 14. The locations of the proposed borings and monitoring wells are shown on Figure 6-137-1.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Buildings 14

Building 14, located in the central portion of the parcel, was reportedly constructed in 1940. This building has been used for aircraft engine testing and repair (Figure 6-137-1). Most of the test cells in this building are currently used for storage purposes, however two cells (Test Cells 11 and 12) are still used to test aircraft engines. This two story building is constructed with a combination of concrete and wooden walls and a concrete floor. The building is in fair condition and occupies approximately 62,000 square feet. The space occupied by Building 14 was formerly vacant open space. The building is divided into a series of test cells. Each of the test cells contains floor drains that lead to an industrial waste gravity sewer system. In Cells 1 through 10, the drains reportedly lead to underground storage tanks. The drains in cells 11 and 12 lead to an oil/water separator and then to the storm sewer. The second floor of building is occupied by a laboratory associated with the engine testing.

Utilities located within and immediately surrounding Building 14 include sanitary sewer, storm sewer, telephone, water, electrical, fuel, and industrial sewer lines, and overhead/underground electrical lines.

Information collected during the EBS indicates that this building has always been used for testing and repair of aircraft engines. After engine testing, spilled fuel and other fluids are reportedly cleaned with solvent and then washed with water into the industrial waste gravity sewer.

A variety of chemicals are documented to have been stored in and used in Building 14. These include Aviation fuels (JP-5, JP-7 and AVGAS), aircraft turbine lubricant, halogenated and non-halogenated solvents, mercury, spray paint, hydraulic fluids, motor oils, powdered metals, and ferrocene (a substance used for smoke abatement). The disposal practices for used chemicals is not known.

No spills have been documented in Building 14. However, widespread staining observed during the site inspection indicates that undocumented spills have occurred at various locations within the building. The majority of stains are dark in appearance and appear to have been caused by leakage of fuels and oils. Several areas are significantly stained. These include the dyno buildup shop in the southwest corner (300 square foot stain), the main east/west hallway in front of Test Cells 2 and 3 (240 square foot stain), and Test Cells 6 (500 square foot stain), 8 (20% of floor stained), 11 (300 square foot stain), and 12 (600 square foot stain). The staining in these areas appears to have been caused by releases of relatively large quantities of material. This staining is addressed by Target Area 1.

Building 14 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents such as fires, explosions, flooding, or crashes have been documented to have occurred within Building 14.

Building 265

Building 265 was constructed in 1945 and serves as a plant services building for aircraft overhaul (Figure 6-137-1). Historic aerial photographs indicate that the original building was either demolished and rebuilt, or remodeled. The current building is 1,500 square feet in area. Building 265 is a one story, concrete block building. The space occupied by Building 265 was formerly vacant open space.

No utilities are located within or immediately surrounding Building 265. Information collected during the EBS indicates that this building is used for storage of equipment for Building 14. This building was previously used as a plant services facility for aircraft overhaul. There

is no evidence that hazardous materials were used or stored at Building 265. Building 265 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents such as fires, explosions, flooding, or crashes have been documented to have occurred within or immediately surrounding this building.

Un-Numbered Building

An un-numbered building exists on the site. It is reported to be a 2,500 square foot corrugated metal shed, with a concrete floor. This building is in good condition and is used to shelter a fire truck. The location of this building was not reported as part of the EBS. No other information concerning this building was available.

Open Space

The open space covers approximately 55 percent of the parcel. The ground surface of the open space is covered with asphalt roadways and concrete. It appears that the open space has always been vacant open space. Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, water, electrical, fuel, industrial sewer lines, and overhead electrical lines.

EBS information indicates that the open space associated with this site has been used for parking for Building 14. No chemicals are documented to have been stored or used in the open space. No other incidents such as fires, explosions, flooding, or crashes have been documented to have occurred within the open space.

Underground Storage Tanks

Six inactive underground storage tanks are present at Parcel 137 (Tanks 14-1, 14-2, 14-3, 14-4, 14-5, and 14-6). The tanks were installed in 1940 and are located on the south and southwest sides of Building 14. Tanks 14-1, 14-2, 14-3, and 14-5 were used to store waste oil and have capacities of 10,000 gallons, each, except for Tank 14-5, which has a capacity of 600 gallons. Tank 14-4, a 1,000 gallon tank, stored oil. Tank 14-6, a 600 gallon steel tank, stored gasoline. These tanks are scheduled to be removed. Investigation of these former tanks has not been scheduled. These tanks have been identified as RCRA tanks based on their former use or contents (four of the six tanks were used to store waste oil). The presence of these tanks was identified from the EBS. These tanks are scheduled to be removed. Investigation of these former tanks has not been scheduled. The available information did not identify why the

tanks were abandoned. However, based on general comments made by NAS Alameda personnel, tanks were most commonly abandoned because it they were leaking.

Parcel Boundary Conditions

Parcel 137 is bounded by Parcels 134, 135, 136 and 138. Parcel 135 is IR Site 7B (Building 162). Activities of concern on these adjacent parcels include the underground storage tanks on Parcel 138, and the potential USTs on Parcel 135. Parcel 137 is located approximately 250 feet to the southwest of Parcel 131 (IR Site 3 (Area 97)). However, the groundwater impacts appear to be migrating northwest from Parcel 131; therefore, this IR site appears to be of limited concern.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes three RCRA sites (GAP Sites 47 and 48, and Tanks 14-1 through 14-6). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Based on the criteria applied in this evaluation, only the tanks require further investigation. The GAP sites do not require sampling because they have either been removed, or no staining was noted at the GAP location. A brief description of each of the RCRA sites is provided below.

The tanks were identified as RCRA tanks based on their former contents and their inclusion in the RCRA Facility Investigation (RFI) for NAS Alameda. The tanks are scheduled to be removed. A description of the tanks is provided in the Underground Storage Tank subsection, above. The requirements for the RFI are described in detail in Section 8. At NAS Alameda, RCRA tank sites that would normally require an RFI will be investigated and remediated, if necessary, as part of the UST program.

GAP Site 47 is reported to have been a sump that stored lubrication and motor oil. It is unknown whether any chemicals were released from this site. GAP Site 47 has been removed.

GAP Site 48 is a drum storage area for lubrication and engine oil, solvents, and aerosol paints. It is unknown whether any chemicals were released from this site. GAP Site 48 is located at the easternmost end of the main hallway in Building 14. This site is currently active.

No staining or other evidence of spillage was observed to be associated with this GAP Site, therefore, no investigation is required.

Parcel Reclassification and Data Gaps Summary

The data collected for this parcel indicate that there are no remaining data gaps that are likely to impact the BRAC Classification for this parcel.[1] The available information suggests that this parcel may tentatively be reclassified from BRAC Category 7 to BRAC Category 6.

Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-137-2 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewers is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 14. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-137-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 137 may be leased or transferred, as appropriate.

[1] This reclassification assumes that the RASO review does not identify any releases that have impacted this parcel.

TABLE 6-137-2

Summary of Data Gaps
NAS Alameda Parcel 137

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• IH issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 11 (Engine Test Cells) is located on Parcel 137. Additional subsurface investigation relative to IR Site 11 is proposed by the IR contractor. • IR Site 3 (Area 97) is located approximately 250 feet northeast of Parcel 137. Evidence of groundwater migration from this parcel has been identified. Additional investigation relative to this area is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1 (Building 14)

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-137-2

Summary of Data Gaps
NAS Alameda Parcel 137

Data Gap	Status/Description
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• Six inactive USTs are present at this parcel (Tanks 14-1, 14-2, 14-3, 14-4, 14-5, and 14-6). The tanks were installed in 1940 and are located on the south and southwest sides of Building 14. These tanks are scheduled to be removed. Investigation of these former tanks has not been scheduled. These tanks have been identified as RCRA tanks based on their former contents. They have been included in the RFI.
Underground Utilities	• Sanitary sewer, storm sewer, water, electrical, and industrial sewer lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

This subsection of the PEP discusses the specific parcel target area. The nature and location of the parcel-specific target area were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Building 14): This target area is defined as the areas of significant staining observed in the dyno buildup shop in the southwest corner (300 square foot stain), the main east/west hallway in front of Test Cells 2 and 3 (240 square foot stain), and Test Cells 6 (500 square foot stain), 11 (300 square foot stain), and 12 (600 square foot stain). These areas together will serve as a representative "worst case" scenario for the remainder of the building. The chemicals of concern in this target area include fuel, lubrication oils, and solvents. This target area is estimated to occupy approximately 2,500 square feet total and has been classified as having a potential likelihood of impact. Samples to be collected in this Target Area are listed in Table 6-137-1.

Screening-Level Investigation

Two screening-level techniques will be employed to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface GeoProbe soil sampling (SOP 14). Table 6-137-1 summarizes the screening-level sampling and analysis recommended for the target area on Parcel 137. Five surface soil samples and three subsurface soil samples will be collected from the locations shown on Figure 6-137-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Due to the scattered nature of the target area, the recommended sampling at Target Area 1 results in a sampling density which slightly greater than the protocol standard as stated in Table 3-1. The surface sample locations coincide with areas of significant staining as observed during the site inspection. In Test Cells 6 and 11, a subsurface soil sample will also be collected beneath the building floor.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-138

PARCEL 138 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 138 at NAS Alameda (Figure 6-138-1). The parcel, which is located in the southeastern portion of the base, is approximately five acres in size and is roughly triangular in shape. The parcel has been classified as requiring a high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA site. This RCRA site has been identified in the Part B Permit as requiring an RFI. One zone-wide and two parcel-specific target investigation areas (target areas) have been identified on this parcel. The sampling procedures called for in the screening-level investigation in these areas are surface soil sampling and subsurface soil sampling . Table 6-138-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 138, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 138, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 110, 111, 122, 123, 124, 125, 126, 127, 128, 131, 135, 136, 137, and 200. This parcel zone has been designated the Engine Testing and Hazardous Materials Storage Zone (Zone 17). The Engine Testing and Hazardous Materials Storage Zone encompasses the parcels that have been used as engine testing,

hazardous materials storage, and support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 17.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 180) covers approximately one percent of the parcel. The remaining 99 percent is open space. A portion of the open space in this parcel is part of a larger open space designated as Area 37 which is shared between Parcels 138, 139, and 140. The fuel storage region of Area 37 is located within this parcel. The open space area of Parcel 138 is presently in use for fuel and material storage. Structures present within this open space include a guard shack, a storage shed, and an aviation fuel storage structure (Structure 598). Three buildings (Buildings 105, 106, and 296) were formerly located on the parcel and have since been demolished. Railroad tracks are present at this parcel. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-138-1.

Parcel 138 is located less than 100 feet east of Installation Restoration (IR) Program Site 17 (Seaplane Lagoon) and immediately south of IR Site 11 (Building 14). No previous investigations have been conducted at Parcel 138, and specific data regarding chemical occurrence at this parcel are not available.

Lead based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 180

Based on aerial photographs, Building 180 was constructed prior to March 1958. This building has always served as a pumping station and office space. The building is in moderately good condition. Building 180 is constructed of wood framing with corrugated steel siding and roofing. It has a concrete floor and covers approximately 200 square

feet. The space occupied by Building 180 was formerly open space used as a staging area. Utilities located within and immediately surrounding Building 180 include sanitary sewer, storm sewer, steam, water, electrical, and fuel lines.

Information collected during the EBS indicates that activities conducted within this building included diesel fuel and motor fuel (MOGAS) storage. These chemicals were stored in Building 180 for at least the past 20 years. A flammable cabinet is located within this structure with a maximum capacity of 14 quarts of fuel samples.

Available documents do not indicate that Building 180 is equipped with a heating-ventilation-air conditioning (HVAC) system. No incidents, such as fires, mishaps, flooding, or crashes are documented to have occurred within Building 180.

Open Space I (Area 37 Fuel Storage Area)

Open Space I is the fenced fuel storage area associated with Area 37. This area was constructed in 1941 and has been used as a fuel and chemical storage area since that time. This area covers approximately 110,000 square feet. This area is paved with asphalt and is in fair condition. Utilities located within and immediately surrounding Open Space I include underground sanitary sewer, storm sewer, steam, water, electrical, and fuel lines.

An air quality permit was issued for this open space. The permit encompassed the following structures and associated activities: aboveground tanks, underground tanks, a gasoline loading rack, a fixed roof tank, and a truck loading stand.

Information collected during the EBS indicates that activities conducted within this area included significant fuel and chemical storage, particularly along the western fence line of Area 37. Storage of hazardous materials (primarily paints, solvents, and oils) has occurred in this area primarily along the western fence line. These materials were stored in lockers and drums. Between October 1992 and October 1993, pesticides (20 gallons of Round-up, 60 pounds of Krovar 1, and 30 pounds of Amizole) were documented to have been stored and possibly used in this open space area. Storage tanks for JP-5, diesel fuel, and oily wastewater were observed during the site inspection in this part of Area 37.

Aviation fuel, miscellaneous liquids, contaminated fuel, lubricants, aircraft ready fuel, and vehicle ready fuel are documented to have been stored throughout this open space, primarily in underground storage

tanks. The estimated capacity of the underground tanks in this area for petroleum products is up to 1,500,000 gallons. Two 55-gallon drums of motor oil and several containers of lubricating oil were noted on wooden pallets during site inspection.

Hazardous waste materials have also been stored in this open space. Non-halogenated organics, halogenated organics, beryllium, and mercury were stored in quantities up to 22,000 gallons. Non-halogenated organics are reported to have been held in a 10,000 gallon storage tank. Past and present methods of chemical disposal in this area are unknown.

An aircraft fuel storage area (Structure 598) is located in this open area. Structure 598 is secondary containment that houses three aboveground storage tanks each with a capacity of 25,000 gallons. These aboveground tanks are currently empty and are to be converted for storage of diesel fuel and oily wastes. A permit application to make this a hazardous waste storage facility is currently being reviewed. This structure is addressed by Target Area 1.

A documented spill of JP-5 fuel occurred in 1983 in the northwest portion of Area 37. A significant amount was spilled onto asphalt creating a ten foot by ten foot stain. Cleanup measures involved the excavation of contaminated soil. Another documented spill in this area resulted in a minor three foot by three foot black stain. The releases were associated with the dispensing of petroleum products. No drip pans were apparent in the vicinity of the dispensing area. Review of aerial photographs and site inspection data indicates that undocumented spills may also have occurred.

Open Space II

This open space covers all parcel areas other than Open Space I. This area is mostly paved (approximately 60 percent paved with asphalt, 30 percent paved with concrete) but contains some areas of bare soil and grass (approximately 10 percent). The paved areas are in fair condition. Utilities located within and immediately surrounding this open space include sanitary sewer, storm sewer, telephone, steam, water, electrical, fuel, industrial sewer lines, and overhead electrical lines. Both AVGAS and regular fuel lines were located in this open space. Both types of fuel lines are now abandoned and reportedly water filled. The lines have not been integrity tested. The aviation gas lines run underneath the railroad tracks which are located along the southeastern side of the parcel.

Former Building 105 was located on the western edge of Open Space II. It was constructed in 1939 and had concrete floors and pilings. The building was approximately 35,000 square feet in size. This building served as a warehouse until it was demolished in 1975. The area formerly occupied by Building 105 is currently open space. This building functioned as an air cargo terminal and included activities associated with loading docks and materials handling and storage. Available documents do not contain information regarding the specific activities conducted or chemicals stored in former Building 105.

Former Building 106 was located on the western side of Open Space II. It was constructed in 1939 and served as a temporary air terminal and a fleet air intelligence support center. It was a temporary structure that covered approximately 21,000 square feet. Based on aerial photographs, this building was demolished prior to 1963. The space occupied by Building 106 is currently open space. It is unknown whether any chemicals were stored in former Building 106.

Former Buildings 296 was constructed in 1945 and served as a bus station. It was a temporary structure that covered approximately 1,000 square feet. It is unclear, based on aerial photographs and documentation, when this building was demolished. The space occupied by Building 296 is currently open space.

A storage area in use for holding decommissioned floating oil/water separators ("donuts") prior to their final disposal is located in this open space. These separators were used to treat bilge water off-loaded from navy ships. When in use, these separators float along the pier next to the ship they are serving. Two separators were stored in this area at the time of the site inspection. The donut decommissioning area will be investigated by Target Area 2.

Activities conducted within Open Space II included storage of fuel and various hazardous materials (solvents and oils). Minor staining from vehicle parking is present throughout the area.

Underground Storage Tanks

Twenty-two underground storage tanks (USTs) are located at this parcel. All of these tanks are located in the fuel storage region of Area 37, except Tanks 37-13, 37-14, 37-15, and 37-16, which are located in Open Space II (in the southwestern portion of the open space). All of these tanks at the parcel were installed in 1941. The approximate location of these tanks are shown in Figure 6-138-1. The locations shown in Figure 6-138-1 have been determined from the site inspection and are more accurate than the locations illustrated on the NAS

Alameda Impediment Map with Tanks and IR Sites. Twenty of the 22 tanks have capacities of 25,000 gallons each. Seven of these tanks are abandoned (Tanks 37-1, 37-3, 37-4, 37-13, 37-14, 37-15, and 37-16). Eight of these tanks are active (37-5, 37-6, 37-7, 37-8, 37-21, 37-22, 37-23, and 37-24). The other five of these 20 tanks are empty, but are not considered abandoned, and scheduled for closure (Tanks 37-2, 37-9, 37-10, 37-11, and 37-12). Two of the 22 tanks (Tanks 374-1 and 374-2) are located in Area 374 in this parcel and have capacities of 550,000 gallons each.

All of the tanks on this parcel are currently scheduled for removal or closure (tank removals are being performed by PWC). The tanks have been used to store JP-5, aviation gasoline, fuels, solvents, diesel, heavy oils, and combustible liquid wastes. The available information did not identify why the abandoned tanks were abandoned. However, based on general comments made by NAS Alameda personnel, tanks were most commonly abandoned because they were leaking. These tanks are identified in combination as RCRA Site SWMU/UST-7. Investigation and necessary remediation will be accomplished under the UST program.

Six other tanks may be located at this parcel. No other information is available regarding these six tanks.

Parcel Boundary Conditions

Parcel 138 is bounded by Parcels 136 and 137 to the north, 140 and 139 to the southeast, and 155 to the west. Activities of concern on these adjacent parcels include storage of hazardous materials and wastes. An incinerator was located on Parcel 139 and may pose a concern to Parcel 138.

Parcel 138 is contiguous with Parcel 134 with contains IR Site 11 (Building 14). Four borings, three monitoring wells, and two CPT/HydroPunch locations are proposed along the northern boarder of Parcel 138. These activities are part of the continuing investigations at IR Site 11. Parcel 138 is located within 100 feet of IR Site 17, which is the seaplane lagoon. If the continuing investigations at either of these two IR sites reveal a cause for concern at Parcel 138, then additional sampling on this parcel may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on this parcel, consistent with objectives described in

Section 1 of the Shell Workplan. This parcel includes two RCRA sites (site numbers SWMU/Unknown and SWMU/UST-7). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, both sites require further investigation. The tanks are being addressed as part of the UST program. They are scheduled to be removed or closed, and any necessary investigation will be implemented as part of the UST program. SWMU/GAP 37 is part of the RFI that includes the tanks in and encompasses Area 37. This site is also addressed by Target Area 1. A brief description of the two RCRA sites is provided below.

SWMU/Unknown is a GAP site located in Area 37. One source identifies this site as GAP 37. SWMU/GAP 37 is a covered 22 by 15 foot container storage area that is surrounded by an 8-inch concrete berM. The storage capacity of this site is 22,000 gallons. The chemicals of concern associated with this site include waste flammable liquids, beryllium, mercury, and spent solvents including toluene, MEK, TCA, and methylene chloride. This site has not been used for storage of hazardous waste for a number of years.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 138, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-138-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 138 because no industrial buildings are present.

As noted earlier, Parcel 138 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 138.

Once the data gaps in Table 6-138-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 138 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target areas and is also contained in a zone with a zone-wide target area. This subsection of the PEP discusses the specific parcel target area and provides an overview of the zone-wide target area. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 17. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Structure 598/GAP 37): This target area encompasses Structure 598 and the associated surrounding area. This target area is established to addresses the possible presence of compounds of concern associated with fuel and hazardous waste storage and release. The size of this target area is approximately 2,500 square feet. Compounds of concern within this target area include VOCs, TPH and metals. The likelihood environmental impacts having occurred in this target area is classified as potential.

- Target Area 2 (Open Space II): This target area encompasses the donut decommissioning area. This target area is established to addresses the possible presence of compounds of concern associated with potential releases of fuel and waste oil during cleaning of the donuts. The size of this target area is approximately 2,000 square feet. Compounds of concern within this target area include SVOCs, TPH and metals. The likelihood environmental impacts having occurred in this target area is classified as potential.

- Zone 17 Target Area 1 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Engine Testing and Hazardous Materials Storage Zone. Railroad tracks are located in the western portion of the parcel. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas. Eight of the fifteen surface soil samples for this zone target area are located on this parcel. Two of the three proposed confirmation samples are also located on this parcel. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means. The samples to be collected in this target area are listed in Table 6-138-1. The approximate sampling locations are shown on Figure 6-138-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) and subsurface GeoProbe soil sampling (SOP 14) are the screening-level investigation techniques that will be used to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-138-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 138. Fourteen surface soil samples and two subsurface GeoProbe samples will be collected from the locations shown on Figure 6-138-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

The site-specific conditions at Target Area 1 result in a density of field surface soil samples less than the protocol standard stated in Table 3-1. The sample density is below the standard because of the large size of the target area. Efforts should be made to ensure that samples are taken at locations of staining beside storage containers, tanks, drums, or lockers.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

TABLE 6-138-1

Summary of Recommended Samples
NAS Alameda Parcel 138

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
138-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Waste Oil, Metals, Solvents	TPH, Metals	Modified EPA 8015, ICAP Scan
138-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Waste Oil, Metals, Solvents	TPH, Metals	Modified 8015, CLP RAS
138-1-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Waste Oil, Metals, Solvents	VOCs, Metals, TPH	EPA 8240, ICAP Scan, Modified EPA 8015
138-1-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	Waste Oil, Metals, Solvents	VOCs, Metals, TPH	CLP RAS, Modified EPA 8015
138-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Waste Oil, Metals	Metals, TPH	ICAP Scan, Modified EPA 8015
138-2-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Waste Oil, Metals, Solvents	VOCs, Metals, TPH	EPA 8240, ICAP Scan, Modified EPA 8015
138-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Waste Oil	Metals, SVOCs, TPH	ICAP Scan, EPA 8270, Modified EPA 8015
138-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Waste Oil	Metals, SVOCs, TPH	ICAP Scan, EPA 8270, Modified EPA 8015
138-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Waste Oil	Metals, SVOCs, TPH	ICAP Scan, EPA 8270, Modified EPA 8015
138-5-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 2	Waste Oil	TPH, Metals, SVOCs	Modified EPA 8015, CLP RAS
138-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Waste Oil	Metals, SVOCs, TPH	ICAP Scan, EPA 8270, Modified EPA 8015
Z17-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs	SVOCs, PCBs, TPH, Lead	EPA 8270, EPA 8080, Mod. EPA 8015, ICAP Scan

TABLE 6-138-1

Summary of Recommended Samples
NAS Alameda Parcel 138

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z17-7-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs	SVOCs, PCBs, TPH, Lead	EPA 8270, EPA 8080, Mod. EPA 8015, ICAP Scan
Z17-8-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs	SVOCs, PCBs, TPH, Lead	EPA 8270, EPA 8080, Mod. EPA 8015, ICAP Scan
Z17-9-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs	SVOCs, PCBs, TPH, Lead	EPA 8270, EPA 8080, Mod. EPA 8015, ICAP Scan
Z17-10-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs	SVOCs, PCBs, TPH, Lead	EPA 8270, EPA 8080, Mod. EPA 8015, ICAP Scan
Z17-10-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Fuels, Oils, PCBs	TPH, PCBs, Lead, SVOCS	Modified 8015, CLP RAS
Z17-11-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs	SVOCs, PCBs, TPH, Lead	EPA 8270, EPA 8080, Mod. EPA 8015, ICAP Scan
Z17-12-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs	SVOCs, PCBs, TPH, Lead	EPA 8270, EPA 8080, Mod. EPA 8015, ICAP Scan
Z17-13-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Creosote, Tie Tar, Oils, PCBs	SVOCs, PCBs, TPH, Lead	EPA 8270, EPA 8080, Mod. EPA 8015, ICAP Scan
Z17-13-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 17 Target Area 1	Fuels, Oils, PCBs	TPH, PCBs, Lead, SVOCs	Modified 8015, CLP RAS

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

TABLE 6-138-2

Summary of Data Gaps
NAS Alameda Parcel 138

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 138.
Installation Restoration (IR) Sites	• Parcel 138 is located less than 100 feet east of Installation Restoration (IR) Program Site 17 (Seaplane Lagoon) and immediately south of IR Site 11 (Building 14).
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks
Potential Parcel-Specific Release Areas	• Target Area 1 (Structure 598/GAP 37)
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.
[1] Note: These data gaps are disclosure issues, only.
[1] Note: These data gaps are disclosure issues, only.

TABLE 6-138-2

Summary of Data Gaps
NAS Alameda Parcel 138

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• Twenty-two underground storage tanks (USTs) are located at this parcel. All of these tanks were installed in 1941. Twenty of these tanks have capacities of 25,000 gallons each. Seven of these tanks are abandoned, eight of these tanks are active, and five are empty, but not considered abandoned. All of these tanks are scheduled for removal and closure. Two tanks (Tanks 374-1 and 374-2) are located within this parcel in Area 374 and have capacities of 512,000 gallons each. These tanks are identified in combination as RCRA Site SWMU/UST-7. Six other tanks may be located at this parcel, but no further information is available regarding these tanks.
Underground Utilities	• Sanitary sewer, storm sewer, water, electrical, and industrial sewer lines identified.
- Steam Lines	• Steam lines identified.
- Fuels Lines	• Underground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

SECTION 6-200

PARCEL 200 EVALUATION PLAN

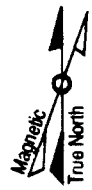
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 200 at NAS Alameda (Figure 6-200-1). The parcel, which is located in the southeast portion of the base, is 0.3 acres in size and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 200, historical activities are discussed below.

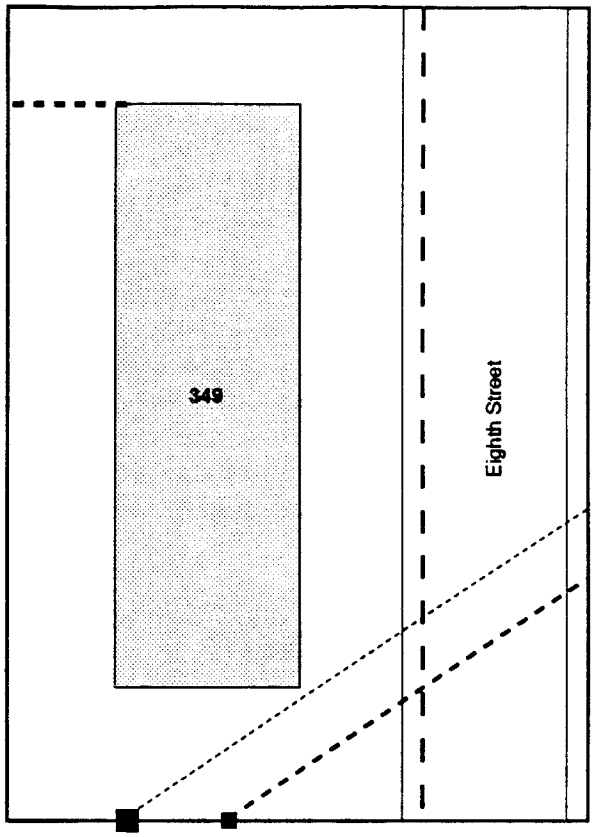
Background and Historical Activities

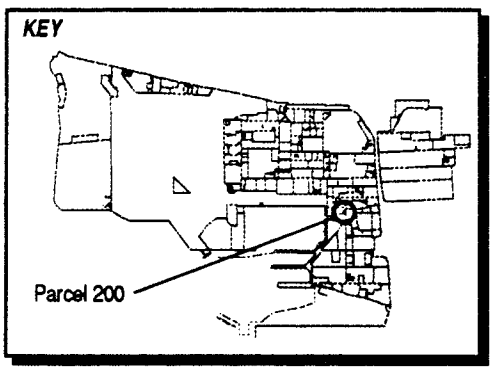
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 200, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel were determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine area on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 110, 111, 122, 123, 124, 125, 126, 127, 128, 131, 135, 136, 137, and 138. This parcel zone has been designated the Engine Testing and Hazardous Materials Storage Zone (Zone 17). The Engine Testing and Hazardous Materials Storage Zone encompasses the parcels that have been used as engine testing, hazardous materials storage, and support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide







LEGEND

- Steam Line
- Fuel Lines In Use
- Storm Sewer Line
- Sewer Line
- Sanitary Sewer Manhole
- Catch Basin

Note: *No parcel specific sampling is required.*

1"= 30'

Figure 6-200-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/06.28.94

considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 17.

Filling began in the area covered by this parcel in approximately 1930. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 349) covers approximately 30 percent of the parcel. The remaining 70 percent is open space. No buildings were formerly located on this parcel. This parcel contains a support facility for the nearby engine testing area. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-200-1.

Parcel 200 is located adjacent to two Installation Restoration (IR) Program sites (IR Sites 11 (Building 14) and 7B (Building 162)), and is less than 200 feet southwest of IR Site 3. No previous investigations have been conducted at Parcel 200, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 349

Building 349 was constructed in 1948 and served as an aircraft overhaul and repair and fuel system accessory building (Figure 6-200-1). This building is in moderately good condition. Building 349 is constructed of metal with a concrete floor and covers approximately 4,000 square feet. Information collected during the EBS indicates that Building 349 has always been used as an engine accessory building. No known industrial processes have occurred in this building.

Utilities located within and immediately surrounding Building 349 include steam, sanitary sewer, storm sewer, fuel, and industrial sewer lines. Air quality permits for this building were issued for solvent use.

Non-halogenated organics and lubricants are documented to have been stored in drums and cabinets throughout the building. Approximately 500 gallons of non-halogenated organics were stored in Building 349.

The disposal method for used chemicals and wastes is unknown. No documented incidents of spills or staining have occurred in this area.

Building 349 is equipped with a heating-ventilation-air conditioning (HVAC) system. ACM may be present at this building, as insulation on piping was wrapped and transite was encapsulated. No incidents including fires, mishaps, flooding, or crashes are documented to have occurred within Building 349.

Open Space

The open space covers approximately 70 percent of the parcel. This open space is not used for any particular purpose. The ground surface of open space is completely paved with concrete. The pavement is generally in fair condition.

Structures located within the open space include an oil-filled transformer. Utilities located within and immediately surrounding the open space include steam, sanitary sewer, storm sewer, fuel, and industrial sewer lines.

EBS information indicates that this open space has remained the same since its construction. No known industrial processes have occurred in the open space. No documented chemical storage or use has occurred on this open space. However, small stains have been identified between a transformer platform and a storm drain.

No other incidents, including fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 200 is bounded by Parcels 134, 135, and 137. Parcels 135 and 137 are IR Sites 162 and 137. Activities of concern on these adjacent parcels include former storage of large quantities of aviation gasoline on Parcel 131 (IR Site 3), use of Building 14 (IR Site 11) for engine testing, and the former service station at Parcel 135 (IR Site 7B). Other light industrial activities may also be a concern.

No sampling is called for in this PEP in response to the three nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 200, then additional sampling on Parcel 200 may be appropriate.

RCRA Sites

No RCRA sites are located at this parcel

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 200, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-200-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category.

As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 200 because no industrial buildings are present. Once the data gaps in Table 6-200-2 are addressed, Parcel 200 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified that affect this parcel. However,

TABLE 6-200-1

Summary of Data Gaps
NAS Alameda Parcel 200

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 200.
Installation Restoration (IR) Sites	• Parcel 200 is located adjacent to two Installation Restoration (IR) Program sites (IR Sites 11 (Building 14) and 7B (Building 162)), and is less than 200 feet southwest of IR Site 3.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-200-1

Summary of Data Gaps
NAS Alameda Parcel 200

Data Gap	Status/Description
Underground Utilities	• Sanitary sewer, storm sewer, and industrial sewer lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological concerns, and potential impacts of the nearby and adjacent IR sites must be resolved before this parcel can be reclassified to another BRAC category, leased, or transferred.

SECTION 6-Z18

ZONE 18 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 18 at NAS Alameda (Figure 6-Z181-1). Zone 18 has been designated the Dock Zone and encompasses the parcels that are associated with boat docks and slips. Zone 18 is comprised of Parcels 155, 156, 157, and 158. During the sampling program development, the parcels located in this zone were evaluated together. No zone-wide target investigation areas (target areas) and two parcel-specific target areas have been identified in this zone; however no sampling has been proposed in Zone 18. Three of the parcels in this zone have been reclassified from BRAC Category 7. Parcels 156 and 158 have been reclassified to BRAC Category 2, and Parcel 157 has been reclassified to BRAC Category 3. These reclassifications have been proposed pending RASO concurrence.

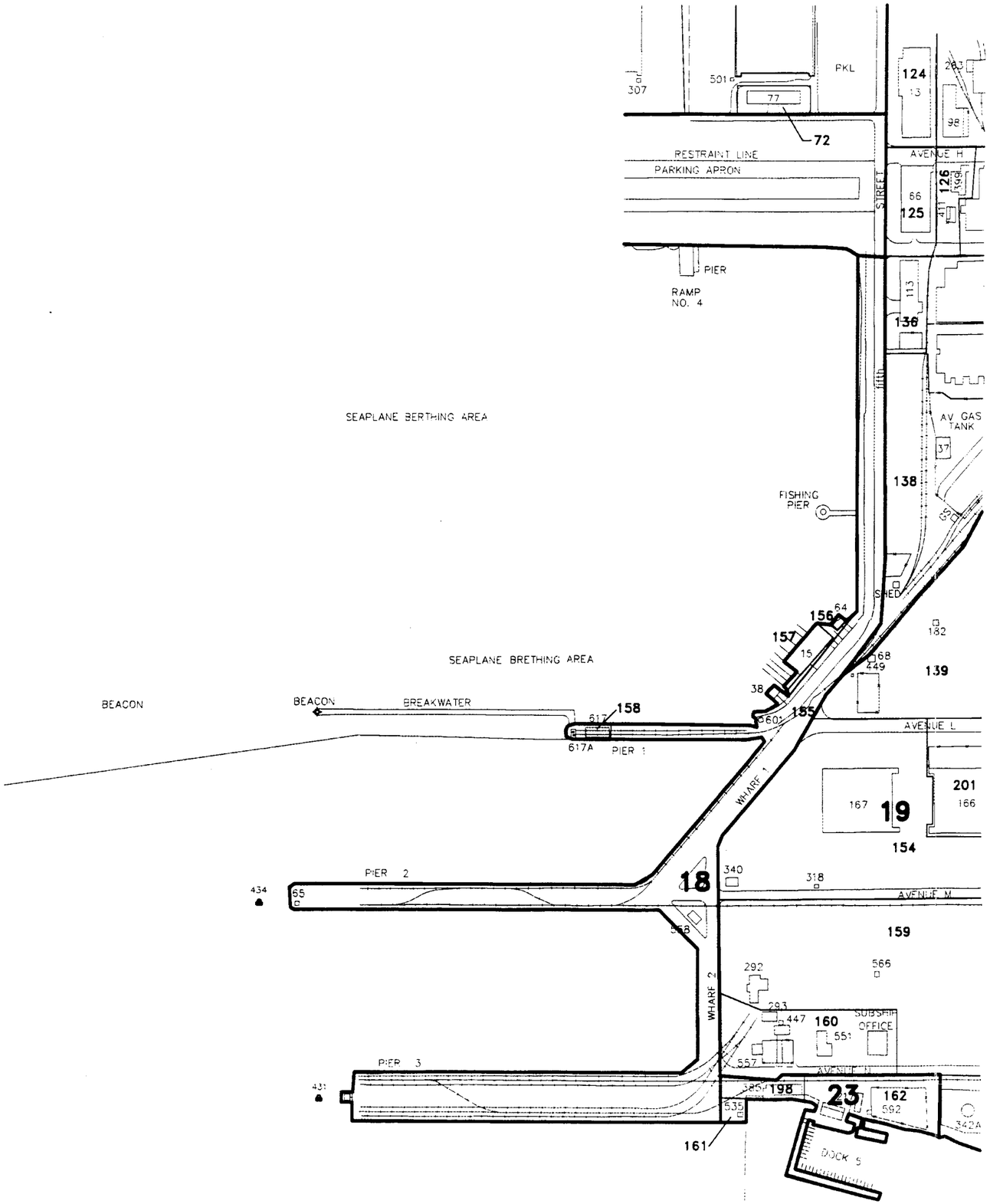
This zone evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 18, historical activities are discussed below.

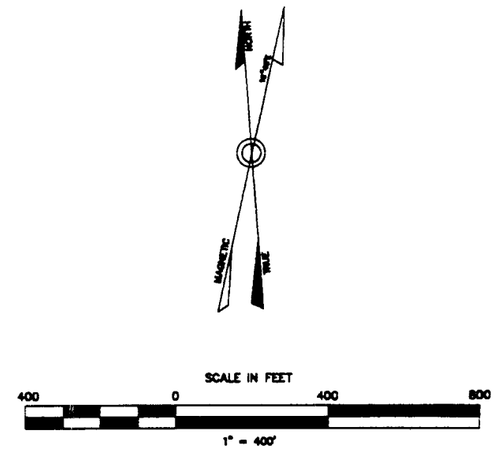
Zone 18 Background and Historical Activities

This subsection briefly summarizes EBS information available for buildings, open spaces, and boundaries of Zone 18 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the Parcel Evaluation Plans (PEPs) for the parcels contained in this zone.

Past and present use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs (the non-intrusive investigation[1]). This information was used to determine areas on the zone where sampling

[1] The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.





LEGEND

ZONE BOUNDARY

NO SAMPLING IS PROPOSED FOR THIS ZONE

NOTE: FACILITIES AND/OR STRUCTURES SHOWN REFLECT THOSE ORIGINALLY PROVIDED TO ERM-WEST IN COMPUTER AIDED DESIGN (CAD) FORMAT AND MAY NOT BE CURRENT.

DRAFT
12-20-94

FIGURE 6-Z18-1

NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION, ALAMEDA
ZONE 18

SIZE	ERM CAD IDENT. NO.	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS: PWC 17,627; 17,628; 17,630; 17,631; 17,627A; 17,629
F	2121618.DWG	

SCALE: AS NOTED

was deemed necessary to delineate potential impacts of compounds of concern.

Zone 18, the Dock Zone encompasses four parcels that are associated with the pier and wharf area to the east of the former Seaplane Lagoon. During the evaluation program development, the parcels located in this zone were evaluated together to better address zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of parcel-specific concerns is provided in the PEPs for individual parcels.

Prior to 1930, the zone was completely inundated by the San Francisco Bay. The northern portion of Zone 18 including Parcels 156, 157, 158, and the northern portion of Parcel 155 came into existence during the construction of Pier 1, which occurred between 1930 and 1939. The southern portion of the zone came into existence during the construction of Piers 2 and 3, which occurred between 1942 and 1946. The northern section of the zone is the shoreline, which has rip rap as its western border. The southern portion of the zone is composed entirely of a concrete pier area, which is underlain by the San Francisco Bay.

Currently, six buildings cover approximately five percent of the zone. The remaining 95 percent is open space. The zone area is presently in use for waterfront operations. One building was formerly located on the parcel and has since been demolished.

Zone 18 is located east of and adjacent to an Installation Restoration (IR) Program site (IR Site 17, Former Seaplane Lagoon). Zone 18 is also located approximately 300 feet west of two IR sites (IR Sites 11 - Engine Test Facility and 7B - Service Station). No previous investigations have been conducted at Zone 18 and specific data regarding potential chemical occurrence are not available.

Fuel and sewer lines present on this zone are illustrated in the individual PEP figures. Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns and asbestos-containing materials on Zone 18 will be addressed in other sampling programs and are not considered in this ZAP. Potential radiological hazards may to be of concern at Parcel 155, based on a report from RASO indicating that a Strontium-90 spill occurred near Pier 3. Potentially asbestos-containing floor tiles and peeling paint were observed throughout Building 15 on Parcel 157.

Underground Storage Tanks

Three abandoned tanks (Tanks 15-1, 15-2, and 15-3) are present in this zone on Parcel 155. Investigation of these tanks has not been scheduled. The available information did not identify why the tanks were abandoned; however, based on general comments made by NAS Alameda personnel, tanks were most commonly abandoned because they were leaking. These tanks have been identified as RCRA tanks based on their inclusion in the RFI.

RCRA Sites

This zone includes three RCRA sites (Tanks 15-1, 15-2, and 15-3) on Parcel 155. These sites were evaluated consistent with the criteria applied to other potential target areas at the zone. These tanks are being addressed as part of the UST program. They are scheduled to be removed, and any necessary investigation will be implemented as part of the UST program. A brief description of each RCRA site is provided in the PEP for Parcel 155.

Zone Boundary Conditions

Zone 18 is bounded by Zone 4 to the north and Zones 17, 19, and 23 to the east. San Francisco Bay borders Zone 18 to the south and the Former Seaplane Lagoon IR Site borders Zone 18 to the west. Activities of concern on these adjacent zone include IR Sites 7B and 11 in Zone 17, a former incinerator in Zone 19 on Parcel 139, and aircraft activity and maintenance in Zones 4 and 23.

Zone Target Areas and Compounds of Concern

This zone contains no zone-wide target areas and two parcel-specific target areas. This subsection of the ZAP provides an overview of the parcel-specific target areas. No sampling has been proposed for this zone. Detailed information regarding the parcel-specific target areas is provided in the PEPs for individual parcels.

Parcels 156, 157, and 158 Target Areas

No parcel-specific target areas were identified on these parcels.

Parcel 155 Target Areas

Two parcel-specific target areas were identified for Parcel 155 as indicated below. No sampling has been proposed for Parcel 155; however; surface soil samples will be collected from adjacent Parcel 138. Table 6-138-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 155.

- Target Area 1 (Fifth Street, Border of Parcel 138): Surface soil samples will be collected from Parcel 138 at the border of Parcel 155. Samples to be collected in Parcel 138 at the border with Parcel 155 are listed in Table 6-138-1. The soil beneath Fifth Avenue on Parcel 155 may have been impacted by spills or leakage of petroleum products stored in Tanks 37-13, 37-14, 37-15, and 37-16, and from two oil/water separators on Parcel 138. This target area covers approximately 125,000 square feet and has been classified as having a potential likelihood of impacts.

- Target Area 2 (Railroad Tracks): This target area includes all current railroad tracks within Parcel 155. Railroad track are located along Wharf 1, Pier 2, and Pier 3. These areas below the tracks may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines; however, the wharves and piers are built on pilings. Sediments affected by the presence of the railroad tracks will be investigated as part of the Seaplane Lagoon IR Site.

In addition, concerns pertaining to industrial hygiene, asbestos, lead-based paint, PCBs, underground lines, radiological issues, impacts of the nearby and adjacent IR sites, and USTs must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Screening-Level Investigation

Surface soil sampling (SOP 3) on adjacent Zone 17 is the screening-level investigation technique that will be used to assess conditions in the target areas on Zone 18 and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-155

PARCEL 155 EVALUATION PLAN

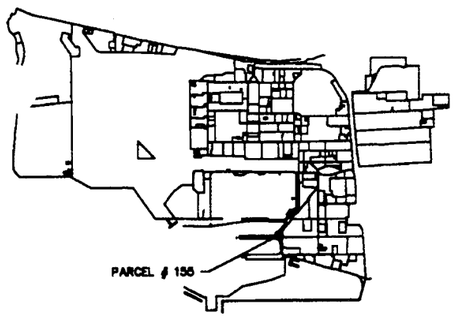
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 155 at NAS Alameda (Figure 6-155-1). The parcel is located in the southern portion of the base, is less than one-fifth of an acre in size, and is fork-shaped. The parcel requires a low level sampling effort to meet the objectives outlined in Section 1 of the Shell Workplan. Three RCRA sites are located at the parcel. These RCRA sites have been identified in the RCRA Facility Investigation (RFI). No zone-wide and two parcel-specific target investigation areas (target areas) have been identified on this parcel; however, no sampling has been proposed for this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 155, historical activities are summarized below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 155, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with several other parcels (Parcels 156, 157, and 158). This parcel zone has been designated the Dock Zone. The Dock Zone encompasses the parcels that have boat docks and slips. During the sampling program development, the parcels located in this zone were considered together. Thus, future data evaluation for each of these parcels should consider the data collected for the entire zone.



KEY PLAN

GENERAL LEGEND

PARCEL OUTLINE

TARGET AREA AND NUMBER

FUEL LINE LEGEND

FUEL LINES IN USE

FUEL LINES ABANDONED

ABANDONED FUEL STORAGE TANK

SANITARY SEWER LINE LEGEND

SANITARY SEWER MANHOLE & No.

CATCH BASIN

SANITARY SEWER LINE

LIFT STATION & No.

HOSE CONNECTION STATION & No.

MATERIALS:

C.I. – CAST IRON
D.I. – DUCTILE IRON
PVC – POLYVINYL CHLORIDE

NOTES:

1. ALL SANITARY SEWERS ARE VITRIFIED CLAY PIPE UNLESS NOTED OTHERWISE.

STORM DRAIN LEGEND

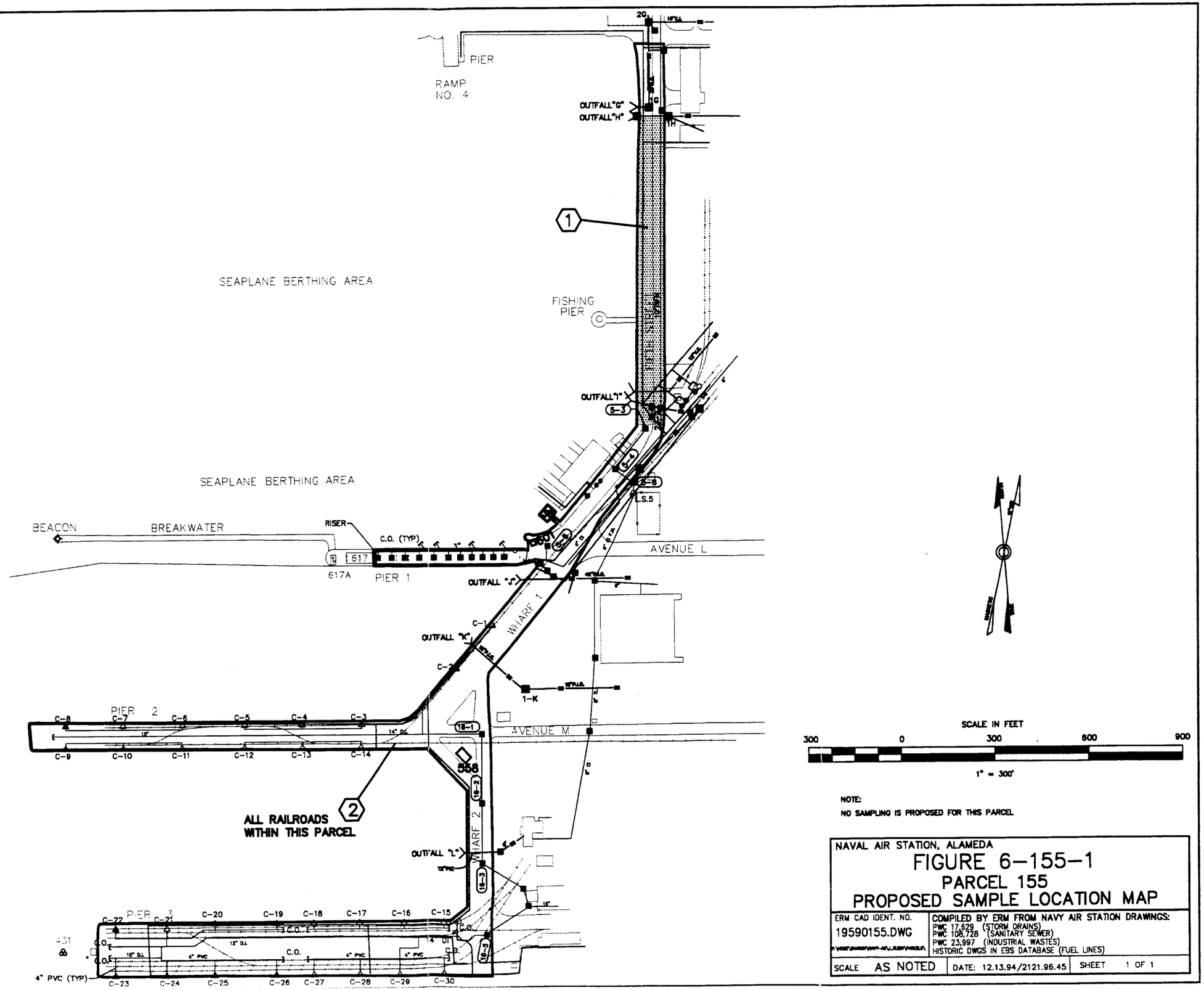
MANHOLE & No.

CATCH BASIN

STORM SEWER LINE

MATERIALS:

R.C. – REINFORCED CONCRETE
V.C. – VITRIFIED CLAY
P.I.C. – PAVED INVERT CORREGATED METAL



NOTE:
NO SAMPLING IS PROPOSED FOR THIS PARCEL

NAVAL AIR STATION, ALAMEDA

FIGURE 6-155-1
PARCEL 155
PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO. 19590155.DWG	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS: PWC 17,829 (STORM DRAINS) PWC 108,728 (SANITARY SEWER) PWC 23,997 (INDUSTRIAL WASTES) HISTORIC DWGS IN EBS DATABASE (FUEL LINES)
SCALE AS NOTED	DATE: 12.13.94/2121.96.45 SHEET 1 OF 1

Prior to 1930, the parcel area was completely inundated by the San Francisco Bay. The northern section of the parcel came into existence during the construction of Pier 1, which occurred between 1930 and 1939. The southern section of the parcel came into existence during the construction of Piers 2 and 3, which occurred between 1942 and 1946. The northern section of the parcel is part of the NAS Alameda shoreline and has rip rap as its western border. The southern portion of the parcel is composed entirely of a concrete pier area, which is underlain by the San Francisco Bay.

Currently, three buildings (Building 601, Storage Building and Former Oil Spill Cleanup Facility; Building 558, Substation #14; and Building 38, Port Services Chemical Storage) cover approximately one percent of the parcel. The remaining 99 percent is open space. The parcel area is presently in use as a wharf and pier area. Building 65 was formerly located on the parcel and has since been demolished. The use of this former building is unknown. Fuel and sewer lines are present at this parcel and are shown in Figure 6-155-1.

Parcel 155 is located east of and adjacent to an Installation Restoration (IR) Program site (IR Site 17, Former Seaplane Lagoon). Parcel 155 is also located approximately 300 feet west of two IR sites (IR Sites 11 - Engine Test Facility and 7B - Service Station). No previous investigations have been conducted at Parcel 155 and specific data regarding potential chemical occurrence are not available.

It is recommended that any parcel-specific sampling data collected be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, the background concentration may represent a more appropriate screening level than the concentration suggested by the PRGs.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 38

Building 38 was constructed prior to 1947 and serves as a fuel storage shack (Figure 6-155-1). This building is in fair condition. Building 38 is a one story building. It is constructed of corrugated metal with a

concrete floor on pier pilings and has a corrugated metal roof. Building 38 covers approximately 1,000 square feet. The space occupied by Building 38 was formerly open water. Utilities located within and immediately surrounding Building 38 include underground sanitary sewer and storm sewer lines.

Information collected during the EBS indicates that activities conducted within this building consisted of fuel storage. Approximately 440 gallons (combined total) of hydraulic fluid, lubricating oil, and gasoline are stored in Building 38. The fuel and petroleum products are used in the boats docked next to this building. The excess is normally stored in a Building 38 or sent to a central collection point.

Site inspection data indicates that undocumented spills have occurred at inside Building 38. These spills appear to be fuel-like in origin, and to have involved a relatively minor quantity of released material. The staining covers the building floor.

Building 38 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents are documented to have occurred within Building 38.

Building 558

Building 558 was constructed in the early 1970s and served as electrical substation 14 (Figure 6-155-1). This building is in good condition. Building 558 is a one-story building, is constructed of concrete walls and floor, and a corrugated metal roof. This building covers approximately 1,000 square feet. The space occupied by Building 558 was formerly open water. Utilities located within and immediately surrounding Building 558 include underground electrical lines.

Information collected during the EBS indicates that activities conducted within this building were consistent with typical electrical substation operations. No oil-filled devices, only dry-type circuit breakers are present at this substation. A transformer compound is associated with this substation; it is located across Fifth Street, east of Building 558 at the eastern boundary of Parcel 155. The condition of the transformer compound is unknown.

No chemicals are documented to have been stored or used in Building 558. No spills have been documented in Building 558. During a visual inspection, non-PCB fluid was observed leaking from capacitors in the transformer compound.

Building 601

Building 601 is a small (1,000 square foot) corrugated metal shed with a concrete floor. It was constructed around 1980 as a SOREX oil-water separator. It was shut down due to improper operation and it is currently a storage facility for Port Services. Waste oil stains still exist on the concrete floor. No chemical are stored at this facility.

Building 65 (Demolished)

Building 65 was formerly located in this parcel. It housed a substation and was demolished around 1975. Building 65 covered approximately 2,100 square feet.

Open Space

The parcel consists of Piers 1, 2, and 3, Wharves 1 and 2, and Fifth Street. The parcel is 95 percent open space. All piers and wharves are underlain by San Francisco Bay. Structures located within the open space include railroad tracks, and utility hook-ups for ported ships (Figure 6-155-1). These structures were constructed in 1946. The ground surface is 100 percent paved. Approximately 15 percent of the paved area is surfaced with asphalt and 85 percent is concrete. The pavement is generally in good condition.

Utilities located within and immediately surrounding the parcel include underground electrical, water, steam, storm sewer, sanitary sewer, and fuel lines. The open space is presently in use as a dock area and vehicle parking area. Railroad tracks run east to west through Piers 2 and 3. Pier 1 was replaced between 1989 and 1993 and the railroad tracks were removed during reconstruction. Oils and solvents (halogenated and non-halogenated organic compounds) are documented to have been used on the piers.

Several fuel spills have been documented at Piers 1, 2, and 3 on Parcel 155. The largest spill was 2,000 gallons of oil from Pier 3; this spill occurred in August of 1990. In addition, Area 37 on Parcel 138 is located to the east of Parcel 155. Mr. Duane Balch of PRC reported that his interview with a former fuel farm employee discussed standard operating procedures for Area 37. The employee reportedly stated that excess fuel was released from Area 37, and flowed westward to the Seaplane Lagoon across Parcel 155.

Potential radiological hazards may to be of concern at Parcel 155, based on a report from RASO indicating a Strontium-90 spill occurred near

Pier 3. No other incidents are documented to have occurred within Parcel 155.

Underground Storage Tanks

Three abandoned underground storage tanks are present at this parcel (Tanks 15-1, 15-2, and 15-3). These tanks are located to the west of Building 15. It is unknown when these tanks were installed. Tank 15-1 stored diesel fuel; however it is unknown what materials were stored in Tanks 15-2 and 15-3. Tank 15-1 is currently empty and Tanks 15-2 and 15-3 are currently filled with sand. Tank 15-1 reportedly failed a tank test on October 21, 1991; however it passed the line test. These three tanks have a capacity of 2,000 gallons each. The presence of these tanks were identified in the RCRA Facility Investigation (RFI). They are scheduled to be removed. The available information did not identify why the tanks were abandoned; however, based on general comments made by NAS Alameda personnel, tanks were most commonly abandoned because they were leaking.

Parcel Boundary Conditions

Parcel 155 is bounded by Parcels 23, 156, 257, 158, 161, 198, 160, 159, 154, 139, 138, 136, and 125. As Parcel 155 is primarily a concrete pier, with the exception of the northern most section, it is unlikely that releases to the pier on the parcel will have had a lasting impact on the parcel. The sediments underneath the piers will be addressed as part of the former Seaplane Lagoon IR Site. In the northern portion of the parcel, potential impacts exist due to the presence of four 25,000 gallon USTs (Tanks 37-13, 37-14, 37-15, and 37-16) located in Parcel 138 at the eastern boundary of Parcel 155.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with these sites on the parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes three RCRA sites (Tank 15-1, 15-2, and 15-3). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. These tanks are being addressed as part of the UST program. They are scheduled to be removed, and any necessary investigation will be implemented as part of the UST program. A brief description of the three RCRA sites is provided below.

These tanks were identified as RCRA tanks based on their inclusion in the RFI. A description of the tank is provided in the Underground Storage Tank subsection above. Tank 15-1 failed a tank test on October 21, 1991; however, it passed the line test.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 155, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-155-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling associated with USTs, fuel lines, and sewer lines is discussed in corresponding protocols presented in Section 3.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Buildings 38 and 601. The one-time compliance program will determine whether further sampling or cleanup measures are required within these buildings before transfer or lease can occur.

Once the data gaps in Table 6-155-1 are addressed Parcel 155 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains two parcel-specific target areas and no zone-wide target areas. This subsection of the PEP discusses specific parcel target areas. However, no sampling has been proposed for this parcel. The following parcel-specific target areas were identified based on the potential release areas described above

- Target Area 1 (Fifth Street, Border of Parcel 138): Surface soil samples will be collected from Parcel 138 at the border of Parcel 155. Samples to be collected in Parcel 138 at the border with Parcel 155 are listed in Table 6-138-1. The soil beneath Fifth Avenue on Parcel 155

TABLE 6-155-1

Summary of Data Gaps
NAS Alameda Parcel 155

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 17 (Seaplane Lagoon) is located adjacent to Parcel 155. No investigation at Parcel 155 relative to IR Site 17 is proposed by the IR contractor. • IR Site 11 (Engine Test Facility) and IR Site 7B - Service Station are located approximately 300 feet east of Parcel 155. No subsurface investigation at Parcel 155 relative to IR Site 11 or 7B is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Area 37 on Parcel 138 contains four 25,000 gallons USTs at the eastern border of Parcel 155. Employee interviews indicate that excess fuel was released westward toward the Seaplane Lagoon.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Fifth Street, Border of Parcel 138. • Railroad Tracks.

TABLE 6-155-1

Summary of Data Gaps
NAS Alameda Parcel 155

Data Gap	Status/Description
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• Three USTs currently exist at Parcel 155. Tank 15-1 is empty and Tanks 15-2 and 15-3 are inactive. All three tanks are scheduled to be removed.
Underground Utilities	• Fuel, storm sewer, sanitary sewer, steam, electrical, and water lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

may have been impacted by spills or leakage of petroleum products stored in Tanks 37-13, 37-14, 37-15, and 37-16, and from two oil/water separators on Parcel 138. This target area covers approximately 125,000 square feet and has been classified as having a potential likelihood of impacts.

- Target Area 2 (Railroad Tracks): This target area includes all current railroad tracks within Parcel 155. Railroad track are located along Wharf 1, Pier 2, and Pier 3. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines; however, the wharves and piers are built on pilings. Sediments affected by the presence of the railroad tracks will be investigated as part of the Seaplane Lagoon IR Site.

In addition, concerns pertaining to industrial hygiene, asbestos, lead-based paint, PCBs, underground lines, radiological issues, impacts of the nearby and adjacent IR sites, and USTs must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Screening-Level Investigation

Surface soil sampling (SOP 3) on adjacent Parcel 138 is the screening-level investigation technique that will be used to assess conditions in Target Area 1 on Parcel 155 and to identify areas on Parcel 155 itself that may require further sampling in the follow-up detailed evaluation phase. Table 6-138-1 summarizes the screening-level sampling and analysis recommended for Target Area 1 on Parcel 155. Sediment sampling will be required to address potential impacts to the Seaplane Lagoon. The sediment sampling and any sampling requirements are provided in the RI workplans for IR Site 17. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), environmental

air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-156

PARCEL 156 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 156 at NAS Alameda (Figure 6-156-1). The parcel, which is located in the southeastern portion of the base, is 2,000 square feet in size and is roughly square in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No zone-wide or parcel-specific target investigation areas (target areas) have been identified on this parcel. To provide a basis for the proposed investigation of Parcel 156, historical activities are discussed below.

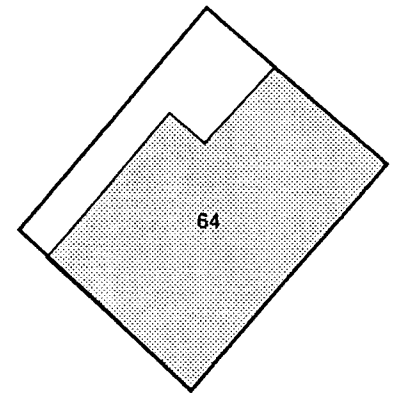
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 156, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with several other parcels (Parcels 155, 157, and 158). This parcel zone has been designated the Dock Zone. The Dock Zone encompasses the parcels that have boat docks and slips. During the sampling program development, the parcels located in this zone were considered together. Thus, future data evaluation for each of these parcels should consider the data collected for the entire zone.

Prior to 1930, the parcel area was completely inundated by the San Francisco Bay. The parcel came into existence during the construction



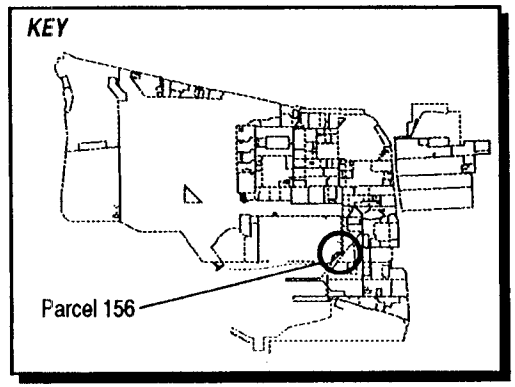


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Figure 6- 156-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.12/DS/07.06.94

of Pier 1, which occurred between 1930 and 1939. The parcel is built on pier pilings and is underlain by the San Francisco Bay.

Currently, one building (Building 64) completely covers the parcel. The parcel area has always been used for waterfront operations.

Parcel 156 is located on the east side of an Installation Restoration (IR) Program site (IR Site 17, Former Seaplane Lagoon). No previous investigations have been conducted at Parcel 156, and specific data regarding chemical occurrence at this parcel are not available.

It is recommended that any parcel-specific sampling data collected be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, the background concentration may represent a more appropriate screening level than the concentration suggested by the PRGs.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Building 64

Building 64 serves as the waterfront operations headquarters for the SIMA Divers (Figure 6-156-1). This building occupies a pier over the Seaplane Lagoon and is in fair condition. Building 64 is a two-story building, is constructed of concrete with a concrete floor and roof, and covers approximately 2,000 square feet. The space occupied by Building 64 was formerly open water. No utilities are located within or immediately surrounding Building 64.

Information collected during the EBS indicates that activities conducted within this building were restricted to waterfront operations. These waterfront operations conducted in the dock area on the west side of the building involve storage of scuba diving equipment, and powerboat docking and refueling. These processes typically involve the use or generation wastes, including petroleum products, and fuels. Waterfront operations have occurred within Building 64 from 1947 to the present.

Petroleum products, fuels, and scuba cleaning compounds are documented to have been used on the dock area of Building 64 during site inspection in May 1994. A total of approximately 73 gallons of

petroleum products, fuels, scuba cleaning compounds are stored in Building 64. Disposal of used chemicals is accomplished by sending the waste to a central collection area. Former disposal methods are unknown. No spills are documented on this parcel.

Building 64 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents such as mishaps or flooding are documented to have occurred within Building 64.

Open Space

This parcel is occupied completely by Building 64. Therefore, there is no open space in this parcel.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated any information that suggested that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 156 is bounded by Parcel 155 to the east, and the former Seaplane Lagoon (IR Site 17) to the north, south, and west. Activities of concern on this adjacent parcel include the presence of three USTs. Because Parcel 156 is built on pier pilings, it is unlikely that releases to the wharf on Parcel 155 will have an impact on the parcel.

Parcel Reclassification and Data Gaps Summary

The data collected for this parcel indicate that there are no remaining data gaps that are likely to impact the BRAC Classification for this parcel.[1] The available information suggests that this parcel may tentatively be reclassified from BRAC Category 7 to BRAC Category 2. The only data gaps remaining pertain to disclosure issues (asbestos and lead-based paint) and radiological issues as indicated in Table 6-165-1. Based on its classification, if RASO concurrence is obtained, the parcel is considered suitable for lease or transfer. Although IR Site 17 is adjacent to this parcel, it does not impact the parcel (i.e. the sediments

[1] This reclassification assumes that the RASO review does not identify any releases that have impacted this parcel.

TABLE 6-156-1

Summary of Data Gaps
NAS Alameda Parcel 156

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 156.
Installation Restoration (IR) Sites	• IR Site 17 (Seaplane Lagoon) is located adjacent to Parcel 156. No investigation at Parcel 156 relative to IR Site 17 is proposed by the IR contractor. IR Site 17 is not expected to impact Parcel 156.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• No potentially PCB-containing electrical equipment identified.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• No evidence of underground utilities identified.

[1] Note: These items are disclosure issues only.

TABLE 6-156-1

Summary of Data Gaps
NAS Alameda Parcel 156

Data Gap	Status/Description
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

underlying this parcel are considered to be part of IR Site 17 and not part of the parcel area).

As indicated in Section 6, separate investigations are currently underway to address the remaining issues at this parcel: lead-based paint, asbestos, and radiological concerns.

SECTION 6-157

PARCEL 157 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 157 at NAS Alameda (Figure 6-157-1). The parcel, which is located in the southeastern portion of the base, is one third of an acre in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. To provide a basis for the proposed investigation of Parcel 157, historical activities are discussed below.

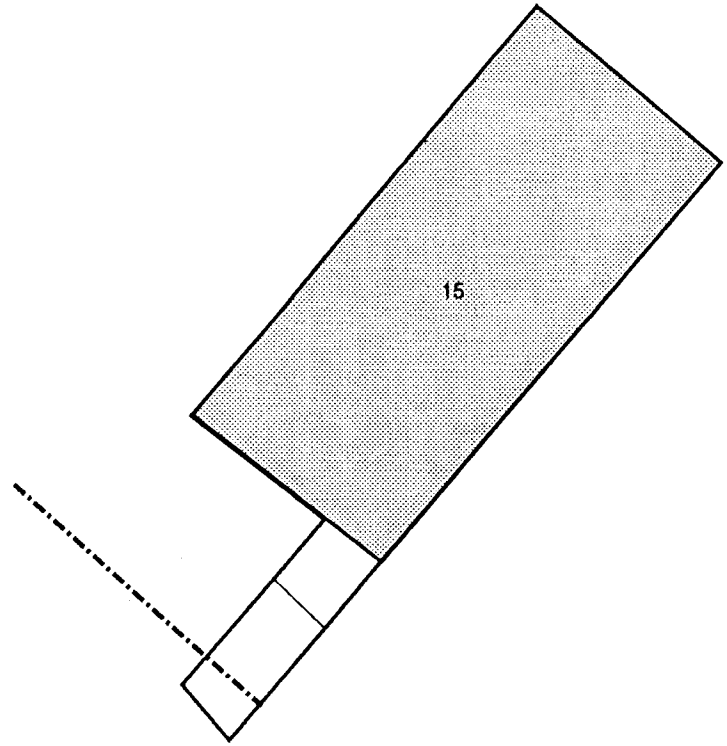
Background and Historical Activities

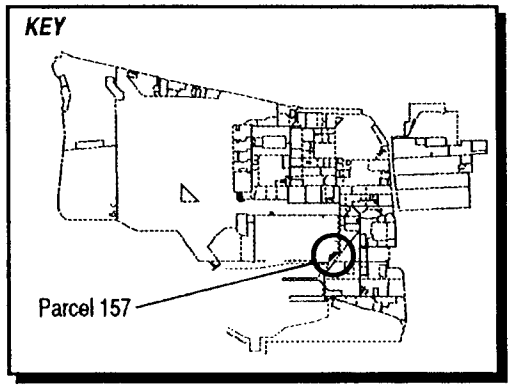
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 157, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

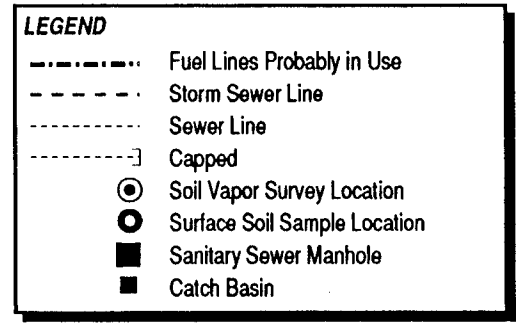
Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with several other parcels (Parcels 155, 156, and 158). This parcel zone has been designated the Dock Zone. The Dock Zone encompasses the parcels that have boat docks and slips. During the sampling program development, the parcels located in this zone were considered together. Thus, future data evaluation for each of these parcels should consider the data collected for the entire zone.

Prior to 1930, the parcel area was completely inundated by the San Francisco Bay. The parcel came into existence during the construction







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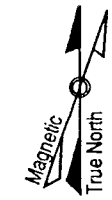


Figure 6- 157-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.11/DS/07.06.94

of Pier 1, which occurred between 1930 and 1939. The parcel is built on pier pilings and is underlain by the San Francisco Bay.

Currently, one building (Building 15) completely covers the parcel. The parcel area has always been used for waterfront operations. Underground fuel lines are present on this parcel and are shown on Figure 6-157-1.

Parcel 157 is located to the east side of an Installation Restoration (IR) Program site (IR Site 17, Former Seaplane Lagoon). No previous investigations have been conducted at Parcel 157, and specific data regarding chemical occurrence at this parcel are not available.

It is recommended that any parcel-specific sampling data collected be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, background concentrations may represent a more appropriate screening level than the concentrations suggested by the PRGs.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Potentially asbestos-containing floor tiles and peeling paint were observed throughout Building 15.

Building 15

Building 15 serves as waterfront operations headquarters. It contains offices, a quarter deck, break rooms, a lounge, an exercise room, a tool room, two supply rooms, an engine room, a battery closet, and a boiler room. This building occupies a pier over the Seaplane Lagoon and is in fair condition. Building 15 is a two story building, is constructed of concrete with a concrete floor and roof, and covers approximately 16,500 square feet. The space occupied by Building 15 was formerly open water. Fuel, steam, and sanitary sewer lines are located within and immediately surrounding Building 15.

Information collected during the EBS indicates that activities conducted within this building were restricted to waterfront operations. Waterfront operations processes involve powerboat docking, maintenance, and refueling and were conducted in the dock area on the west side of the building. EBS information indicated the presence of an oil/water separator on Parcel 157; however, no oil/water

separator was observed on this parcel during a visual inspection. The types of processes occurring at Parcel 157 typically involve the use or generation of chemicals and wastes, including petroleum products, fuels, dry cleaning compounds, and corrosives. Waterfront operations have occurred within Building 15 from 1947 to the present.

During a visual inspection of Building 15, numerous compounds of concern were observed. These compounds include approximately 25 gallons of oxalic acid, grease, and oils in the engine room, 20 gallons of corrosives in the battery locker, 75 gallons of dry cleaning solvent, gasoline, lubricating oil, and general purpose grease in the slip area flammable lockers, and 500 gallons of petroleum products, metals, paint, non-halogenated organic compounds, and corrosives throughout the building. The dry cleaning solvent was used to clean parts and equipment. Disposal of used chemicals is accomplished by sending excess chemicals to a central collection area. Holes were identified in the engine room during a visual inspection. These holes apparently served as a disposal method, with wastes being discharged to the Former Seaplane Lagoon. Former disposal methods are unknown. No spills are documented on this parcel. Two transformers are located outside of Building 15.

Building 15 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents are documented to have occurred within Building 15.

Open Space

This parcel is completely occupied by Building 15. There is no open space in this parcel.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 157 is bounded by Parcel 155 to the east, and the former Seaplane Lagoon (IR Site 17) to the north, south, and west. Activities of potential concern on this adjacent parcel include the presence of three USTs located to the east of Building 15. Because Parcel 157 is built on

pier pilings, it is unlikely that releases to the pier on the parcel will have an impact on the parcel. The sediments underneath the wharf will be addressed as part of the former Seaplane Lagoon IR Site.

Parcel Reclassification and Data Gaps Summary

The data collected for this parcel indicate that there are no remaining data gaps that are likely to impact the BRAC Classification for this parcel.[1] The available information suggests that this parcel may tentatively be reclassified from BRAC Category 7 to BRAC Category 3.

The only data gaps remaining pertain to disclosure issues (asbestos, lead-based paint, and the potential presence of PCB-containing transformers) and radiological issues as indicated in Table 6-157-1. Based on its classification, if RASO concurrence is obtained, the parcel is considered suitable for lease or transfer. Although IR Site 17 is adjacent to this parcel, it does not impact the parcel (i.e. the sediments underlying this parcel are considered to be part of IR Site 17 and not part of the parcel area). In addition, the presence of fuel and sewer lines underneath the pier is also not of concern (releases from these lines would result in an impact to IR Site 17, not to the parcel itself).

As indicated in Section 6, separate investigations are currently underway to address the remaining issues at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, and radiological concerns.

[1] This reclassification assumes that the RASO review does not identify any releases that have impacted this parcel.

TABLE 6-157-1

Summary of Data Gaps
NAS Alameda Parcel 157

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 17 (Seaplane Lagoon) is located adjacent to Parcel 157. No investigation at Parcel 157 relative to IR Site 17 is proposed by the IR contractor. IR Site 17 is not expected to impact Parcel 157.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Parcel 155 contains three 2,000 gallon USTs (Tanks 15-1, 15-2, and 15-3) at the eastern border of Parcel 157. Tank 15-1 formerly contained diesel fuel. The materials stored in Tanks 15-2 and 15-3 are unknown. Because Parcel 157 is located entirely over water, releases from these tanks are not expected to impact Parcel 157.
Potential Zone-Wide Release Areas	• No potential release areas identified.

[1] Note: These items are disclosure issues only.

TABLE 6-157-1

Summary of Data Gaps
NAS Alameda Parcel 157

Data Gap	Status/Description
Potential Parcel-Specific Release Areas	• The water/cleaning compounds used to wash the floor in Building 15 were drained to San Francisco Bay via a hole in the floor. Releases from Building 15 may have impacted the Seaplane Lagoon, but are not expected to have impacted Parcel 157.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Fuel, sanitary sewer, and steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

SECTION 6-158

PARCEL 158 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 158 at NAS Alameda (Figure 6-158-1). The parcel, which is located in the southeastern portion of the base, is one third of an acre in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. To provide a basis for the proposed investigation of Parcel 158, historical activities are discussed below.

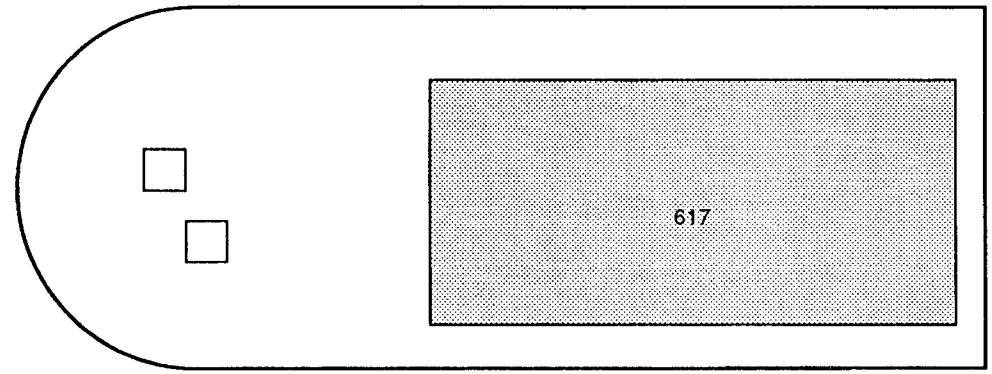
Background and Historical Activities

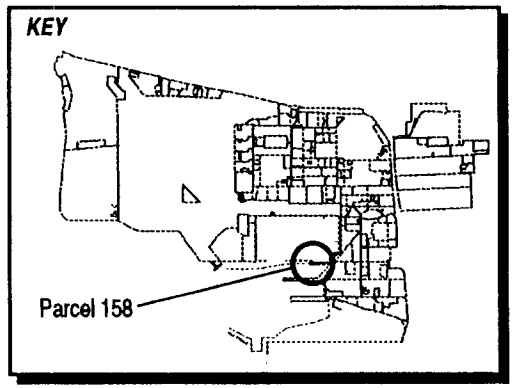
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 158, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with several other parcels (Parcels 155, 156, and 157). This parcel zone has been designated the Dock Zone. The Dock Zone encompasses the parcels that have boat docks and slips. During the sampling program development, the parcels located in this zone were considered together. Thus, future data evaluation for each of these parcels should consider the data collected for the entire zone.

Prior to 1930, the parcel area was completely inundated by the San Francisco Bay. The parcel came into existence during the construction





1"= 30'

Magnetic
True North

Figure 6-158-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94C

of Pier 1, which occurred between 1930 and 1939. The parcel is built on pier pilings and is underlain by the San Francisco Bay.

Currently, one building (Building 617) completely covers approximately 40 percent of the parcel. The remaining 60 percent is open space. The parcel area is presently in use as a pier. The pier was originally built around 1945. Due to earthquake damage it was completely reconstructed in 1991.

Parcel 158 is located on the east side of an Installation Restoration (IR) Program site (IR Site 17, Former Seaplane Lagoon). No previous investigations have been conducted at Parcel 158, and specific data regarding chemical occurrence at this parcel are not available.

It is recommended that any parcel-specific sampling data collected be compared to the background concentrations for naturally-occurring or site-related compounds. Certain background chemical concentrations may be higher than the concentrations suggested by the PRGs. Thus, for certain compounds, background concentrations may represent a more appropriate screening level than the concentrations suggested by the PRGs.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Building 617

Due to earthquake damage, Building 617 was reconstructed in 1991. It currently serves as a storage and exercise facility (Figure 6-158-1). This building is in good condition. Building 617 is a two story building, is constructed of concrete with a concrete floor and roof, and covers approximately 1,600 square feet. The space occupied by Building 617 was formerly open water.

Information collected during the EBS indicates that storage and exercise activities are conducted within this building. Paint and general purpose cleaning agents are documented to have been stored in Building 617 during site inspection in May 1994. Approximately 100 gallons of the chemicals listed above were stored in Building 617. Disposal of used chemicals is accomplished by sending excess chemicals to a central collection area. Former disposal methods are unknown. No spills are documented on this parcel.

Building 617 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents are documented to have occurred within Building 617.

Open Space

The open space covers approximately 60 percent of the parcel. The open space is completely paved with concrete. The pavement is generally in good condition. There are no utilities located on or near this parcel. EBS information indicates that activities conducted within this open space include boat docking and boat equipment laydown. No chemicals are documented to have been stored in or used at the open space. No spills are documented to have occurred on this parcel.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 158 is bounded by Parcel 155 to the east, and the former Seaplane Lagoon (IR Site 17) to the north, south, and west. Activities of concern on this adjacent parcel include documented oil spills on Pier 1. Because Parcel 158 is built on pier pilings, it is unlikely that releases to the pier on Parcel 155 will have an impact on the parcel. The sediments underneath the pier will be addressed as part of the former Seaplane Lagoon IR Site.

Parcel Reclassification and Data Gaps Summary

The data collected for this parcel indicate that there are no remaining data gaps that are likely to impact the BRAC Classification for this parcel.[1] The available information suggests that this parcel may tentatively be reclassified from BRAC Category 7 to BRAC Category 2. The only data gaps remaining pertain to disclosure issues (asbestos and lead-based paint) and radiological issues as indicated in Table 6-158-1. Based on its classification, if RASO concurrence is obtained, the parcel

[1] This reclassification assumes that the RASO review does not identify any releases that have impacted this parcel.

TABLE 6-158-1

Summary of Data Gaps
NAS Alameda Parcel 158

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 17 (Seaplane Lagoon) is located adjacent to Parcel 158. No investigation at Parcel 158 relative to IR Site 17 is proposed by the IR contractor. IR Site 17 is not expected to impact this parcel.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• No potentially PCB-containing electrical identified.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These items are disclosure issues only.

TABLE 6-158-1

Summary of Data Gaps
NAS Alameda Parcel 158

Data Gap	Status/Description
Underground Utilities	• No evidence of underground utilities identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

is considered suitable for lease or transfer. Although IR Site 17 is adjacent to this parcel, it does not impact the parcel (i.e. the sediments underlying this parcel are considered to be part of IR Site 17 and not part of the parcel area).

As indicated in Section 6, separate investigations are currently underway to address the remaining issues at this parcel: lead-based paint, asbestos, and radiological concerns.

SECTION 6-Z19

ZONE 19 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 19 at NAS Alameda (Figure 6-Z19-1). Zone 19, which is located in the southeast portion of the base, has been designated the Dock Support Services Zone and encompasses the parcels where activities and services associated with the shipping docks are performed, including welding and machining operations. Zone 19 is comprised of Parcels 139, 140, 150, 151, 154, 159, 160, 163, 199, 201, and 202. During the sampling program development, the parcels located in this zone were evaluated together. Two zone-wide target investigation areas (target areas) and twenty-seven parcel-specific target areas have been identified in this zone. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling, soil vapor sampling, and subsurface GeoProbe soil sampling. Table 6-Z19-1 provides the complete list of samples and analyses prescribed for this zone, and Figure 6-Z19-1 illustrates all sample locations for the entire zone, including parcel-specific sampling. This zone evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 19, historical activities are discussed below.

Zone 19 Background and Historical Activities

This subsection briefly summarizes EBS information available for buildings, open spaces, and boundaries of Zone 19 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the parcel-specific evaluation plans (PEPs) for the parcels contained in this zone.

Past and present use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and

TABLE 6-Z19-1

Summary of Recommended Samples
NAS Alameda Zone 19

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Compounds of Concern	Target Analytes	Analytical Method
Z19-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, PCBs, lead, SVOCs	TPH, PCBs, lead, SVOCs	Modified EPA 8015, EPA 8080, ICAP Scan, EPA 8270
Z19-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	TPH, PCBs, lead, SVOCs	TPH, PCBs, lead, SVOCs	Modified EPA 8015, CLP RAS
Z19-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, PCBs, lead, SVOCs	TPH, PCBs, lead, SVOCs	Modified EPA 8015, EPA 8080, ICAP Scan, EPA 8270
Z19-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, PCBs, lead, SVOCs	TPH, PCBs, lead, SVOCs	Modified EPA 8015, EPA 8080, ICAP Scan, EPA 8270
Z19-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, PCBs, lead, SVOCs	TPH, PCBs, lead, SVOCs	Modified EPA 8015, EPA 8080, ICAP Scan, EPA 8270
Z19-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, PCBs, lead, SVOCs	TPH, PCBs, lead, SVOCs	Modified EPA 8015, EPA 8080, ICAP Scan, EPA 8270
Z19-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, PCBs, lead, SVOCs	TPH, PCBs, lead, SVOCs	Modified EPA 8015, EPA 8080, ICAP Scan, EPA 8270
Z19-6-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	TPH, PCBs, lead, SVOCs	TPH, PCBs, lead, SVOCs	Modified EPA 8015, CLP RAS
Z19-7-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 2	Dioxins and Furans	Dioxins and Furans	EPA 8280/SAS B
Z19-8-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 2	Dioxins and Furans	Dioxins and Furans	EPA 8280/SAS B
Z19-9-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 2	Dioxins and Furans	Dioxins and Furans	EPA 8280/SAS B
Z19-10-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Dioxins and Furans	Dioxins and Furans	8280/SAS B

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

historical aerial photographs (the non-intrusive investigation[1]). This information was used to determine areas on the zone where sampling was deemed necessary to delineate potential impacts of compounds of concern.

Zone 19, the Dock Support Services Zone, encompasses 11 parcels that are located near the dock area and where historical activities indicated dock support services. During sampling program development, the parcels located in this zone were evaluated together to better address zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of specific parcel concerns is provided in the Parcel Evaluation Plans (PEPs) for individual parcels.

Filling began in the area covered by this zone in approximately 1942. Prior to this time, the zone area was completely inundated by San Francisco Bay. The zone was completely filled as of 1946; the ground level and grading have not changed significantly since that time. Dredged material from the channel and turning basin was used as fill for the land area east of Pier 2. This fill material may have been impacted by hazardous compounds. The parcels occupied by this land area in this zone include Parcels 154, 159, 160, and 201. No zone-wide fill sampling has been proposed for these parcels as fill quality is a basewide issue that will be addressed with background sampling.

Currently, 20 buildings, five structures, and numerous mobile trailers (all located on Parcel 160) cover approximately 25 percent of the zone. The remaining 75 percent is open space. The zone area is presently in use as industrial facilities for dock support services. Two buildings were formerly located on Parcel 139 in Zone 19 and have since been demolished.

Zone 19 contains no Installation Restoration (IR) Program sites; however, Zone 19 is within 500 feet of six IR sites (IR sites 9, 10B, 11, 13, 16, and 19). No previous investigations have been conducted at Zone 19 and specific data regarding potential chemical occurrence are not available. Current investigations under the IR program are being conducted at Parcel 150. Details regarding current investigation activities are described in the corresponding PEP.

Underground fuel lines and sewer lines present in this zone are illustrated in the individual PEP figures. Lead-based paint, most PCBs

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1 The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.

(see protocols in Section 3 for exceptions), radiological considerations,

[redacted]

Zone Target Areas and Compounds of Concern

This zone contains two zone-wide target areas and 27 parcel-specific target areas. This subsection of the ZAP discusses the specific zone-wide target areas and provides an overview of the parcel-specific target areas. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this zone. Detailed information regarding the parcel-specific target areas and the proposed sampling is provided in the PEPs for individual parcels. The nature and locations of the zone-wide and parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. In addition, parcel-specific data gaps pertaining to asbestos, lead-based paint, and radiological concerns must be resolved before the parcels in this zone can be leased or transferred.

Zone 19 Target Areas

- Target Area Z1 (Railroad Tracks): This target area includes all current railroad tracks within or adjacent to the Dock Support Services Zone. Railroad tracks are located on the boundary between Parcel 139 and Parcel 140, the northern areas of Parcel 159 and Parcel 163, and in Parcel 150. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. Surface soil samples will be collected approximately every 800 linear feet along the three track areas for a total of six zone sampling locations. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means. Samples to be collected in this target area are listed in Table 6-Z19-1. Approximate sampling locations are shown on Figure 6-Z19-1.

  It should be noted that railroad track sampling will first be performed in the Housing Zone (Zone 16). If investigations there indicate that the potential releases of compounds of concern are negligible then the railroad track zone target area may be eliminated in this zone and other zones. Alternatively, if the investigations in Zone 16 indicate that only certain compounds of concern are actually associated with the railroad tracks, then sampling may be modified to analyze for the more limited suite of the compounds of concern only.

- Target Area Z2 (Former Incinerator): This target area includes Parcels 139, 140, 150, 151, 154, and 201 in Zone 19 and Parcels 134, 141, 142, 143, 146, 147, 152, 153, 164, 210, and 211 in Zone 22. These parcels are located to the east of the former incinerator in the direction of the prevailing wind currents. The former incinerator was located in Former Building 68 on Parcel 139. This building was built in 1942 and was demolished 19 years later in 1961. The size of this former building was approximately 400 square feet. Former Building 68 was built to house an incinerator and to store fire department equipment. Compounds or classes of compounds of concern possible within this target area include dioxins and furans. The likelihood of environmental impact having occurred within this target area is classified as potential. Samples to be collected in this target area are listed in Table 6–Z19-1 for Zone 19. Approximate sampling locations are shown on Figure 6-Z19-1. Additional sampling for dioxins and furans is provided in Table 6-Z22-1 and shown on Figure 6-Z22-1 for Zone 22.

Parcel 139 Target Areas

A total of four parcel-specific target areas were identified for Parcel 154 as indicated below. Ten surface soil samples and eleven subsurface GeoProbe samples will be collected from the locations shown on Figure 6-154-1.

- Target Area 1 (Open Space): This target area consists of the large stain in the northern half of Parcel 139 near the boundary with Parcel 138. Target Area 1, as shown in Figure 6-139-1, outlines the approximate location of this stain. The stain is approximately ten feet by five feet in size for a total area of 50 square feet. Compounds or classes of compounds of concern possible within this target area include TPH, SVOCs and VOCs. The likelihood of environmental impact from this stain is classified as suspect. Samples to be collected in Target Area 1 are listed in Table 6-139-1.

- Target Area 2 (Demolished Building 182): This target area consists of the area of former Building 182. The size of this target area is approximately 100 square feet (as shown in Figure 6-139-1). Compounds or classes of compounds of concern possible within this target area include TPH, VOCs, and SVOCs. The likelihood of environmental impact having occurred within this target area is classified as suspect. Samples to be collected in Target Area 2 are listed in Table 6-139-1.

- Target Area 3 (Open Space): This target area is located along the southern parcel boundary and is to be field adjusted to completely

encompass all of SHWAP 18. The size of this target area is approximately 150 feet long by 60 feet wide for a total minimum area of 9,000 square feet (as shown in Figure 6-139-1). Compounds or classes of compounds of concern possible within this target area include TPH, SVOCs, and VOCs. The likelihood of environmental impact having occurred within this target area is classified as suspect. Samples to be collected in Target Area 3 are listed in Table 6-139-1.

- Target Area 4 (Open Space): This target area is located in the southeast corner of Parcel 139 and is to be field adjusted to encompass all of the area used to stage off-loaded wastes from the various Navy ships that dock at NAS Alameda. At a minimum, the target area will be 200 feet long by 150 feet wide for a total minimum area of 30,000 square feet (as shown in Figure 6-139-1). Compounds or classes of compounds of concern possible within this target area include various hazardous waste products. Compounds or classes of compounds of concern possible within this target area include TPH, SVOCs, and VOCs. The likelihood of environmental impact having occurred within this target area is classified as suspect. Samples to be collected in Target Area 4 are listed in Table 6-139-1.

Parcel 140 Target Areas

One parcel-specific target area was identified for Parcel 140 as indicated below. Two surface soil samples and nine subsurface GeoProbe samples will be collected from the locations shown on Figure 6-140-1.

- Target Area 1 (Building 168): This target area contains Building 168 and extends 10 feet around the perimeter of the building (as shown in Figure 6-140-1). Compounds or classes of compounds of concern possible within this target area include TPH, SVOCs, VOCs, and metals. The likelihood of environmental impact having occurred within this target area is classified as potential. Samples to be collected in this target area are listed on Table 6-140-1.

Parcel 150 Target Areas

A total of five parcel-specific target areas were identified for Parcel 150 as indicated below. Fourteen subsurface GeoProbe samples and six soil vapor samples will be collected from the locations shown on Figure 6-150-1.

- Target Area 1 (Open Space I): The soils in the hazardous waste accumulation area, which is located in the northeast corner of Open Space I, have potentially been impacted by spills or leakage of VOCs contained in paints and solvents. This target area covers approximately 1,000 square feet. The likelihood of environmental impact to soils underlying this area is classified as suspect. Samples to be collected in Target Area 1 are listed in Table 6-150-1.

- Target Area 2 (Open Space I): The soils in this area have potentially been impacted by spills or leakage of VOCs contained in paints and solvents. The target area is located in the center of Open Space I and covers approximately 2,000 square feet. The likelihood of environmental impact to soils underlying this area is classified as suspect. Samples to be collected in Target Area 2 are listed in Table 6-150-1.

- Target Area 3 (Open Space II): The soils in this area were noted to be stained and were releasing a gasoline odor. The area has been classified as having suspect impacts from VOCs and TPH. This target area is located in the northeast corner of Open Space II and covers approximately 7,000 square feet. The likelihood of environmental impact to soils underlying this area is classified as suspect. Samples to be collected in Target Area 3 are listed in Table 6-150-1.

- Target Area 4 (Open Space II): The soils in this area were noted to be stained and may be impacted by VOCs or TPH. This target area covers all of Open Space II (10,000 square feet). The likelihood of environmental impact is classified as potential. Samples to be collected in Target Area 4 are listed in Table 6-150-1.

- Target Area 5 (Open Space III): The scrap yard may have been impacted by VOCs and TPH. The target area comprises 80 percent of Open Space III, and is over 10,000 square feet in size. The likelihood of environmental impact to soils underlying this area is classified as potential. Samples to be collected in Target Area 5 are listed in Table 6-150-1.

Parcel 151 Target Areas

A total of two parcel-specific target areas were identified for Parcel 151 as indicated below. Four surface soil samples and twelve subsurface GeoProbe samples will be collected from the locations shown on Figure 6-151-1.

- Target Area 1 (Open Space): This target area is located in the center of the parcel and encompasses the preserved-wood storage area. This target area covers over 10,000 square feet. Compounds of concern possible within this target area include SVOCs and metals associated with wood preservation. The likelihood of environmental impact having occurred in this area is classified as potential.

- Target Area 2 (Open Space): This target area is located along the east boundary of the parcel and covers approximately 9,000 square feet. Compounds of concern possible within this target area include SVOCs, TPH, and VOCs. The likelihood of environmental impact having occurred in this area is classified as potential.

Parcel 154 Target Areas

A total of five parcel-specific target areas were identified for Parcel 154 as indicated below. Nine surface soil samples and seven subsurface GeoProbe samples will be collected from the locations shown on Figure 6-154-1.

- Target Area 1 (Building 167): The area adjacent to the paint booth and resin mixing tank may have been impacted by resins or paints. The dip tank area and soils underlying concrete in the area of the 1,1,1-TCA tank may have been impacted by spills or leakage of hazardous substances that have been stored and utilized in this area. The floor area of the rubber room and the east prop shop was noted to be significantly corroded. The area adjacent to the solvent dip tank that is controlled by the shipboard repair group may have been impacted by solvents. The main entrance of the area may have been impacted by previous operations at the building. This area is covered with a significant stain of unknown origin. Large stains were observed in the Prop components section and the Assembly / Blade section. The target area contains less than 12,000 square feet. Compounds of concern possible within this target area include TPH, SVOCs, and VOCs (1,1,1-TCA) as well as metals in paint residue. The likelihood of impact having occurred at this area is classified as potential.

- Target Area 2 (Open Space I): This area is heavily stained and is adjacent to the hazardous materials storage area for the prop shop and the GAP. The target area contains less than 1,000 square feet. Compounds of concern possible within this target area include TPH, SVOCs, metals, and VOCs. The likelihood of impact having occurred in this area is classified as potential.

- Target Area 3 (Open Space I South of Building 167): This area has been used to store hazardous materials since the construction of Buildings 166 and 167 circa 1947. The target area contains over 10,000 square feet. Compounds of concern possible within this target area include TPH, VOCs, SVOCs, and metals. The likelihood of impact having occurred in this area is classified as potential.

- Target Area 4 (Open Space I South of Building 166): This area has been used to store hazardous materials since the construction of Buildings 166 and 167 circa 1947. The target area contains over 10,000 square feet. Compounds of concern possible within this target area includes TPH, VOCs, SVOCs, and metals. The likelihood of impact having occurred in this area is classified as potential.

- Target Area 5 (Southeast corner of Building 555): A release of an unknown oily materials was observed in this area during site inspection. The target area contains over 100 square feet. Compounds of concern possible within this target area includes TPH, SVOCs, and metals. The likelihood of impact having occurred in this area is classified as potential.

Parcel 159 Target Areas

Two parcel-specific target areas were identified for Parcel 159 as indicated below. Two subsurface GeoProbe soil samples, and two surface soil samples will be collected from the locations shown on Figure 6-159-1.

- Target Area 1 (Building 292): The emergency generator room may have been impacted by spills or leakage of petroleum compounds from the emergency generator. This target area covers approximately 1,000 square feet. Compounds of concern are TPH. The likelihood of environmental impact to soils underlying the concrete is classified as potential. Samples to be collected in this target area are listed in Table 6-159-1.

- Target Area 2 (Open Space): The staining in this area indicates that soils in the south border of this parcel may have been impacted by historical spill events. The target area covers approximately 2,000 square feet. Compounds of concern are TPH. The likelihood of environmental impact to soils underlying the asphalt is classified as potential. Samples to be collected in this target area are listed in Table 6-159-1.

Parcel 160 Target Areas

Two parcel-specific target areas were identified for Parcel 160 as indicated below. A total of five surface soil samples will be collected from the parcel-specific locations shown in Figure 6-160-1.

- Target Area 1 (Open Space): Soils at the open space between and north of Building 551 and 557 may have been impacted by spills or leakage of hazardous substances that have been stored and utilized in this area as indicated by staining. In addition, soils may have been impacted by historical spill events. The target area covers approximately 10,000 square feet. TPH is the compound of concern. The likelihood of environmental impact to soils underlying the asphalt is classified as potential. Samples to be collected in this target area are listed in Table 6-160-1.

- Target Area 2 (Building 557): Soils adjacent to the emergency generator located immediately east of Building 557 may have been impacted by spills or leakage of petroleum compounds. This target area covers approximately 1,000 square feet. Compounds of concern are PCBs and TPH. The likelihood of environmental impact to soils underlying the concrete is classified as potential. Samples to be collected in this target area are listed in Table 6-160-1.

Parcel 163 Target Areas

Two parcel-specific target areas were identified for Parcel 163 as indicated below. One surface soil sample and four subsurface GeoProbe samples will be collected from the locations shown on Figure 6-163-1.

- Target Area 1 (Open Space): Subsurface soils that surround both ASTs may have been impacted by petroleum compounds released from the ASTs and related piping. This target area is over 10,000 square feet in size. The likelihood of environmental impacts having occurred in this target area is classified as suspect.

- Target Area 2 (Open Space): Large scale staining was noted at Parcel 165 in an area adjoining Parcel 163. Subsurface soils at this area may have been impacted by petroleum compounds. This target area is located in the southeast corner of the parcel, and it is less than 1,000 square feet in size. The likelihood of environmental impacts having occurred in this target area is classified as potential.

Parcel 199 Target Areas

No parcel-specific target areas were identified for this parcel.

Parcel 201 Target Areas

A total of four parcel-specific target areas were identified for Parcel 201 as indicated below. Ten subsurface GeoProbe samples will be collected from the locations shown on Figure 6-201-1.

- Target Area 1 (Building 166): This target area encompasses all of Building 166. Soils underlying this building may have been impacted by spills or leakage of hazardous substances that have been stored and utilized in this area. This target area is approximately 10,000 square feet in size. Compounds of concern possible within this target area include TPH, metals, SVOCs, and VOCs. The likelihood of environmental impact having occurred in this area is classified as potential.

- Target Area 2 (Open Space I): This target area encompasses the oil/water separator. Soils adjacent to the oil/water separator may have been impacted. This target area is less than 1,000 square feet in size. Compounds of concern possible within this target area include metals and TPH. The likelihood of environmental impact having occurred in this area is classified as potential.

- Target Area 3 (Open Space I): This target area encompasses the grease trap. Soils adjacent to the grease trap may have been impacted. This target area is less than 1,000 square feet in size. Compounds of concern possible within this target area include metals and TPH. The likelihood of environmental impact having occurred in this area is classified as potential.

- Target Area 4 (Open Space I): This target area encompasses the SWMU/GAP 8 sites. Soils adjacent to the GAP sites may have been impacted. This target area is less than 1,000 square feet in size. Compounds of concern possible within this target area include metals, SVOCs, VOCs and TPH. The likelihood of environmental impact having occurred in this area is classified as potential.

Parcel 202 Target Areas

No parcel-specific target areas were identified for this parcel.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in the zone-wide and parcel-specific target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3), soil vapor sampling (SOP 6), and subsurface GeoProbe soil sampling (SOP 14).

Table 6-Z19-1 summarizes screening-level sampling and analysis for the zone-wide target areas. For the zone-wide target areas, a total of ten surface soil samples will be collected from the locations shown on Figure 6-Z19-1. For the parcel-specific target areas, a total of 33 surface soil samples, and 69 subsurface GeoProbe soil samples will be collected from the designated target areas. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the zone areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-139

PARCEL 139 EVALUATION PLAN

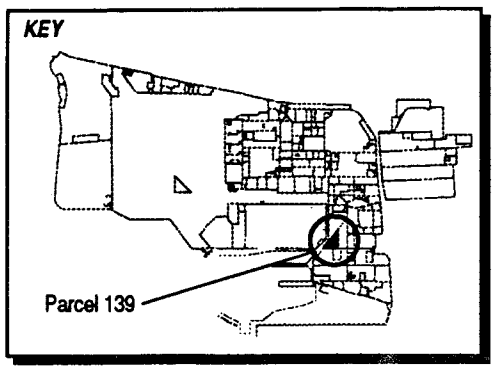
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 139 at NAS Alameda (Figure 6-139-1). The parcel, which is located in the southeastern portion of the base, is approximately five acres in size and is roughly triangular in shape. The parcel has been classified as requiring a high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. One RCRA site is located at this parcel. Two zone-wide and four parcel-specific target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface GeoProbe sampling. Table 6-139-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 139, historical activities are discussed below.

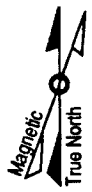
Background and Historical Activities

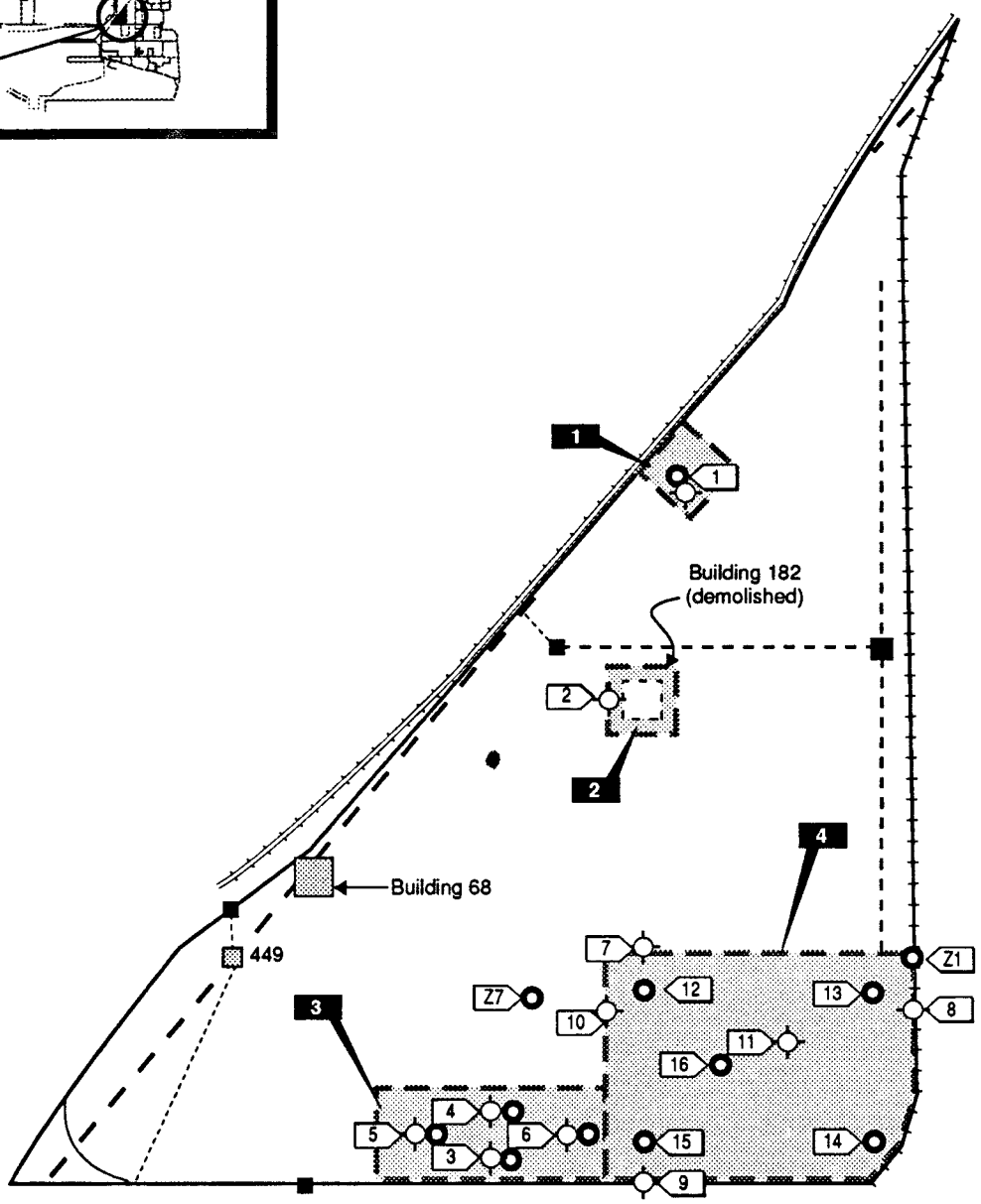
This subsection summarizes EBS information available for the buildings, open spaces, and boundaries of Parcel 139, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

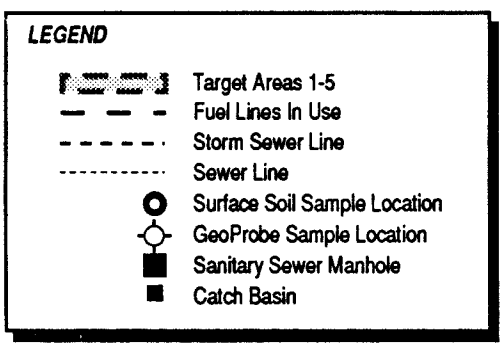
Past and present use of this parcel was determined from the non-intrusive investigation phase which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts due to compounds of concern.

This parcel has been grouped into a zone with Parcels 140, 150, 151, 154, 159, 160, 163, 199, 201, and 202. This parcel zone has been designated the Dock Support Services Zone (Zone 19). The Dock Support Services Zone encompasses the parcels that are located near the dock area where historical activities indicated dock support services. During the









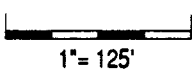


Figure 6-139-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/AMR/06.28.94B

TABLE 6-139-1

Summary of Recommended Samples
NAS Alameda Parcel 139

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
139-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, SVOCs	TPH, SVOCs	EPA 8015 Modified, EPA 8270
139-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	TPH, SVOCs	TPH, SVOCs	EPA 8015 Modified, CLP RAS
139-1-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	EPA 8015 Modified, EPA 8270, EPA 8240
139-1-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	EPA 8015 Modified, CLP RAS
139-2-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 2	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	EPA 8015 Modified, EPA 8270, EPA 8240
139-2-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 2	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	EPA 8015 Modified, CLP RAS
139-3-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 3	VOCs	VOCs	EPA 8240
139-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	TPH, SVOCs	TPH, SVOCs	EPA 8015 Modified
139-4-3-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 3	VOCs	VOCs	EPA 8240
139-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	TPH, SVOCs	TPH, SVOCs	EPA 8015 Modified
139-5-3-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 3	VOCs	VOCs	EPA 8240
139-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	TPH, SVOCs	TPH, SVOCs	EPA 8015 Modified
139-6-3-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 3	VOCs	VOCs	EPA 8240
139-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 3	TPH, SVOCs	TPH, SVOCs	EPA 8015 Modified
139-7-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 4	VOCs	VOCs	EPA 8240
139-8-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 4	VOCs	VOCs	EPA 8240
139-9-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 4	VOCs	VOCs	EPA 8240

TABLE 6-139-1

Summary of Recommended Samples
NAS Alameda Parcel 139

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
139-10-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 4	VOCs	VOCs	EPA 8240
139-11-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 4	VOCs	VOCs	EPA 8240
139-12-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	TPH, SVOCs	SVOCs, TPH	EPA 8270, EPA 8015 Modified
139-13-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	SVOCs	SVOCs	CLP RAS
139-13-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	TPH	TPH	EPA 8015 Modified
139-14-3-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	SVOCs	SVOCs	CLP RAS
139-15-3-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	SVOCs	SVOCs	CLP RAS
139-15-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	TPH	TPH	EPA 8015 Modified
139-16-3-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 4	TPH	SVOCs, TPH	CLP RAS, EPA 8015 Modified
Z19-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 19 Target Area 1	TPH, PCBs, lead, SVOCs	TPH, PCBs, lead, SVOCs	Modified EPA 8015, EPA 8080, ICAP Scan, EPA 8270
Z19-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 19 Target Area 1	TPH, PCBs, lead, SVOCs	TPH, PCBs, lead, SVOCs	Modified EPA 8015, CLP RAS
Z19-7-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 19 Target Area 2	Dioxins and Furans	Dioxins and Furans	EPA 8280/SAS B

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 19.

Filling began in the area covered by this parcel in approximately 1942. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1946; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 68) and one structure (Structure 449-Sewage Lift Station 5) cover less than one percent of the parcel. The remaining area is open space. A portion of the open space in this parcel is part of a larger open space designated as Area 37, which is shared between Parcels 138, 139, and 140. The parcel open space area is presently used for maintenance equipment and vehicle parking, chemical storage, drum storage, and aircraft container storage. Previously, the parcel open space area was used for aircraft parking. Two buildings (Former Building 68 and Building 182) were formerly located on the parcel and have since been demolished. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-139-1.

Parcel 139 is located approximately 300 feet northwest of Installation Restoration (IR) Program Site 9 (Building 410-Paint Stripping), and 500 feet south of IR Site 11 (Building 14-Engine Test Cells). Previous investigations have been conducted at these IR sites but did not include sampling on or immediately around Parcel 139.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described below.

Building 68

Building 68 was constructed in 1988 and provides waterfront services including welding operations (Figure 6-139-1). This building is in good condition. Building 68 is constructed of steel framed walls with a concrete floor and a steel frame roof with corrugated metal roofing. This building covers approximately 1,600 square feet. The space occupied by Building 68 was formerly open space. Utilities located

within and immediately surrounding Building 68 include sanitary sewer, storm sewer, electrical, and fuel lines.

Information collected during the EBS indicates that activities conducted within this building included various waterfront services including welding. These types of industrial processes typically involve the use or generation of chemicals and wastes including fluxes and slag. Welding processes are ongoing at Building 68.

Oils, greases, and lubricants are documented to have been stored in the open space south of Building 68. Approximately one gallon of bearing lubricant is currently being stored in this building. Many small stains caused by unknown chemicals are present on the welding shop's concrete floor.

Building 68 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No incidents (e.g., fires, mishaps, flooding, or crashes) are documented to have occurred within Building 68.

Structure 449

The age of Structure 449 is currently unknown. This small structure is in good condition and is approximately 100 square feet in area. The structure, which rests on a concrete pad, consists of a control panel and access panels for Sewage Lift Station 5. The structure is located in close proximity to Building 68.

Utilities located within and immediately surrounding Structure 449 include sanitary sewer, storm sewer, electrical, and fuel lines. There is no documented evidence of chemical storage or use for this structure.

Building 182 (Demolished)

Building 182 was constructed in 1942 and demolished 44 years later in 1986. This former 100 square foot building was constructed of wood and concrete and was used to house fuel storage tanks and a pump station. The location of this demolished building is shown on Figure 6-139-1.

Open Space

The open space covers over 99 percent of the parcel. The open space is completely paved. Approximately one-half of the pavement is asphalt, which is fair to poor condition; the remainder is concrete, which is generally in good condition. Utilities located within the open space

include underground sanitary sewer, storm sewer, electrical, and fuel lines.

EBS information indicates that activities conducted within this open space include maintenance equipment and vehicle parking, chemical storage, drum storage, and aircraft container storage. Various chemicals are documented to have been stored in lockers located in the asphalt-paved area south of Building 68. These lockers currently house approximately 75 gallons of petroleum products, iodine, varnish, and paint.

The open space area also houses Satellite Hazardous Waste Accumulation Point number 18 (SHWAP 18), which serves as a temporary staging area for collected spilled hazardous wastes. The quantity of stored wastes varies in response to the number and magnitude of incidents. Wastes may be stored for no longer than 24 hours.

The southeast corner of Parcel 139 has been used as a regular staging area for hazardous waste off-loading from two aircraft carriers (the USS Lincoln and the USS Vincent). Anecdotal evidence indicates that several spills have occurred in this area. This staging area is covered in Target Area 4.

An undocumented stain of significant size was identified within Parcel 139 during a visual inspection. The stain was located in the northern half of the parcel along the boundary with Parcel 138. This dark colored stain measured approximately ten feet by five feet in area and was located on broken asphalt pavement.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 139 is bounded by Parcels 138, 140, 154, 155, and 201. Activities of concern on the adjacent parcels include large quantity fuel storage and transport in Parcel 138 (along the northwest boundary with Parcel 139).

No parcels contiguous with Parcel 139 are IR sites, therefore, this PEP does not require sampling specifically in response to the two nearby IR

sites. If continuing investigations at these IR sites reveal a cause for concern at Parcel 139, then sampling on this parcel may be appropriate.

RCRA Sites

This subsection identifies the RCRA site and requirements associated with this site at Parcel 139, consistent with the objectives described in Section 1 of the Shell Workplan. This parcel includes one RCRA site (Site SHWAP 18). A brief description of the RCRA site is provided below. The sampling proposed for the site is described in the Target Areas and Compounds of Concern subsection.

Site SHWAP 18 is a temporary staging area for collected spilled hazardous wastes. No documented releases of chemicals were identified for this site; however, staining was observed during a visual inspection. The quantity and type of waste stored at Site SHWAP 18 varies depending on the number and magnitude of incidents. No permit is required for SHWAP 18 because SHWAPs store hazardous waste that is pending removal to a GAP Site. SHWAP 18 will be investigated as Target Area 3.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 139, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-139-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, and industrial hygiene concerns. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in corresponding protocols presented in Section 3.

Although no IH sampling is specified in this PEP, IH issues are potentially of concern in Building 68. A one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

TABLE 6-139-2

Summary of Data Gaps
NAS Alameda Parcel 139

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 9 (Building 410, Paint Stripping) is located within 500 feet southeast of Parcel 139. Additional subsurface investigation relative to IR Site 9 is proposed by the IR contractor. • IR Site 11 (Building 14, Engine Test Cells) is located within 500 feet north of Parcel 139. Additional subsurface investigation relative to IR Site 11 is proposed by the IR contractor. • IR Site 13 is located east of Parcel 139. There are possible impacts from wastes reportedly disposed of from former Pacific Coast Oil Company refinery.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Large quantities of fuel are stored and transported in Parcel 138 (along the northwest boundary with Parcel 139).

TABLE 6-139-2

Summary of Data Gaps
NAS Alameda Parcel 139

Data Gap	Status/Description
Potential Zone-Wide Release Areas	• Railroad Tracks. • Former Incinerator.
Potential Parcel-Specific Release Areas	• Open Space-northern half of parcel. • Open Space-SHWAP 18. • Open Space-southeast corner of parcel. • Demolished Building 182.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Fuel Lines	• No fuel lines identified
- Steam Lines	• No steam lines identified
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Once the data gaps in Table 6-139-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 139 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains four parcel-specific target areas and is also contained in two zone-wide target areas. This subsection of the PEP discusses the parcel-specific target areas and provides an overview of the zone-wide target areas. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 19. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following target areas were identified based on the potential release areas described above.

- Target Area 1 (Open Space): This target area consists of the large stain in the northern half of Parcel 139 near the boundary with Parcel 138. Target Area 1, as shown in Figure 6-139-1, outlines the approximate location of this stain. The stain is approximately ten feet by five feet in size for a total area of 50 square feet. Compounds or classes of compounds of concern possible within this target area include TPH, SVOCs and VOCs. The likelihood of environmental impact from this stain is classified as suspect. Samples to be collected in Target Area 1 are listed in Table 6-139-1.

- Target Area 2 (Demolished Building 182): This target area consists of the area of former Building 182. The size of this target area is approximately 100 square feet (as shown in Figure 6-139-1). Compounds or classes of compounds of concern possible within this target area include TPH, VOCs, and SVOCs. The likelihood of environmental impact having occurred within this target area is classified as suspect. Samples to be collected in Target Area 2 are listed in Table 6-139-1.

- Target Area 3 (Open Space): This target area is located along the southern parcel boundary and is to be field adjusted to completely encompass all of SHWAP 18. The size of this target area is approximately 150 feet long by 60 feet wide for a total minimum area of 9,000 square feet (as shown in Figure 6-139-1). Compounds or classes of compounds of concern possible within this target area

include TPH, SVOCs, and VOCs. The likelihood of environmental impact having occurred within this target area is classified as suspect. Samples to be collected in Target Area 3 are listed in Table 6-139-1.

- Target Area 4 (Open Space): This target area is located in the southeast corner of Parcel 139 and is to be field adjusted to encompass all of the area used to stage off-loaded wastes from the various Navy ships that dock at NAS Alameda. At a minimum, the target area will be 200 feet long by 150 feet wide for a total minimum area of 30,000 square feet (as shown in Figure 6-139-1). Compounds or classes of compounds of concern possible within this target area include various hazardous waste products. Compounds or classes of compounds of concern possible within this target area include TPH, SVOCs, and VOCs. The likelihood of environmental impact having occurred within this target area is classified as suspect. Samples to be collected in Target Area 4 are listed in Table 6-139-1.

- Zone 19 Target Area 1 (Railroad Tracks): This target area includes all current railroad tracks within or adjacent to the Dock Support Services Zone. Railroad track locations include the boundary between Parcel 139 and Parcel 140, the northern areas of Parcel 159 and Parcel 163, and the mid-section of Parcel 150. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the three track areas for the zone sampling locations. One of the six surface soil samples is located on this parcel. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. Samples to be collected in this target area are listed in Table 6-139-1. Approximate sampling locations are shown on Figure 6-139-1.

- Zone 19 Target Area 2 (Former Incinerator): The former incinerator was located in Building 68 on Parcel 139. This building was built in 1942 and was demolished 19 years later in 1961. The size of the former building was approximately 400 square feet. Compounds or classes of compounds of concern possible within this target area include dioxins and furans. The likelihood of environmental impact within this target area is classified as potential. Samples to be collected in this target area are listed in Table 6-139-1. Approximate sampling locations are shown on Figure 6-139-1.

In addition, concerns pertaining to asbestos, lead-based paint, underground lines, and impacts of the nearby IR sites must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Screening-Level Investigation

Two screening-level techniques will be employed to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface GeoProbe soil sampling (SOP 14). Table 6-139-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 139. Ten surface soil samples and eleven subsurface GeoProbe samples will be collected from the parcel-specific locations shown on Figure 6-139-1. Two surface soil samples will be collected from the zone-wide locations on this parcel as shown on Figure 6-139-1. Sampling locations shown on Figure 6-139-1 are approximate. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-140

PARCEL 140 EVALUATION PLAN

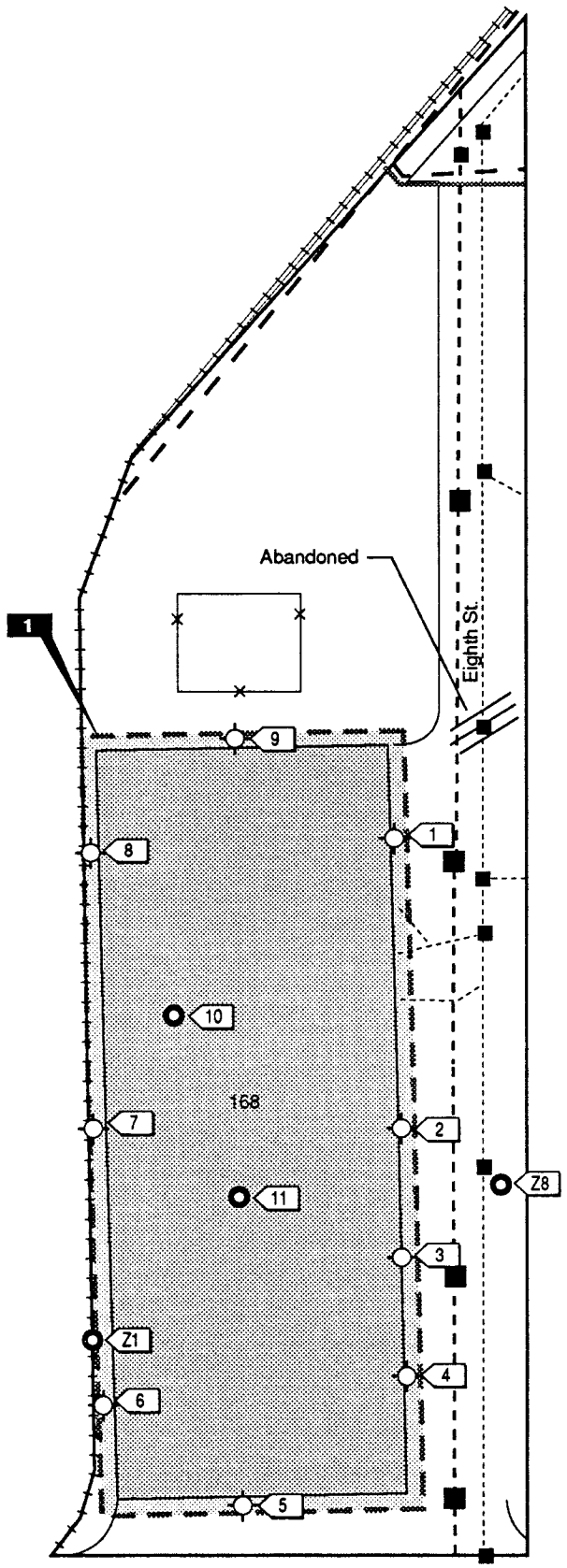
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 140 at NAS Alameda (Figure 6-140-1). The parcel, which is located in the southeastern portion of the base, is approximately 6.5 acres in size and is roughly trapezoidal in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One parcel-specific and two zone-wide target investigation areas (target areas) have been identified on this parcel. Subsurface GeoProbe sampling and surface soil sampling will be used to accomplish the screening-level investigation. Table 6-140-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 140, historical activities are discussed below.

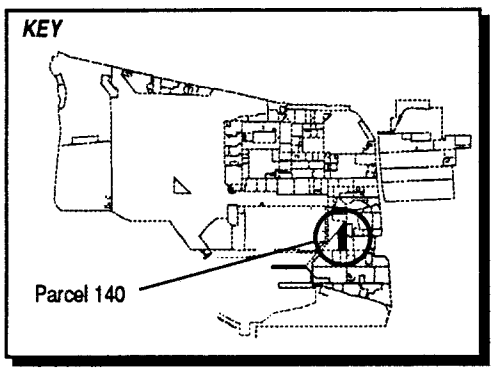
Background and Historical Activities

This subsection summarizes EBS information available for the buildings, open spaces, and boundaries of Parcel 140, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 139, 150, 151, 154, 159, 160, 163, 199, 201, and 202. This parcel zone has been designated the Dock Support Services Zone (Zone 19). The Dock Support Services Zone encompasses the parcels that are located near the dock area where historical activities indicated dock support services. During the sampling program development, the parcels located in this zone were





LEGEND

- Target Area 1
- Fuel Lines In Use
- Storm Sewer Line
- Sewer Line
- Sewer Line Abandoned In Place
- Steam Line
- Surface Soil Sample Location
- GeoProbe Sample Location
- Sanitary Sewer Manhole
- Catch Basin

1"= 125'

Figure 6-140-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/AMR/06.28.94B

TABLE 6-140-1

Summary of Recommended Samples
NAS Alameda Parcel 140

Sample Number	Sample Depth	Type of Sample	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
140-1-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	Modified EPA 8015, EPA 8270, EPA 8240
140-1-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	Modified EPA 8015, CLP RAS
140-2-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	Modified EPA 8015, EPA 8270, EPA 8240
140-3-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	Modified EPA 8015, EPA 8270, EPA 8240
140-4-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	Modified EPA 8015, EPA 8270, EPA 8240
140-5-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	Modified EPA 8015, EPA 8270, EPA 8240
140-6-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	Modified EPA 8015, EPA 8270, EPA 8240
140-6-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	Modified EPA 8015, CLP RAS
140-7-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	Modified EPA 8015, EPA 8270, EPA 8240
140-8-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	Modified EPA 8015, EPA 8270, EPA 8240
140-9-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	Modified EPA 8015, EPA 8270, EPA 8240

TABLE 6-140-1

Summary of Recommended Samples

NAS Alameda Parcel 140

Sample Number	Sample Depth	Type of Sample	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
140-10-4-S-S-DDMMYY	0.00-0.5'	Surface	Soil	Target Area 1	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, EPA 8240, ICAP Scan
140-10-4-S-V-DDMMYY*	0.00-0.5'	Surface	Soil	Target Area 1	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, CLP RAS
140-11-4-S-S-DDMMYY	0.00-0.5'	Surface	Soil	Target Area 1	TPH, SVOCs, VOCs, Metals, pH	TPH, SVOCs, VOCs, Metals, pH	Modified EPA 8015, EPA 8270, EPA 8240, ICAP Scan, pH
140-11-4-S-V-DDMMYY*	0.00-0.5'	Surface	Soil	Target Area 1	TPH, SVOCs, VOCs, Metals, pH	TPH, SVOCs, VOCs, Metals, pH	Modified EPA 8015, CLP RAS
Z19-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 19 Target Area 1	TPH, PCBs, lead, SVOCs	TPH, PCBs, lead, SVOCs	Modified EPA 8015, EPA 8080, ICAP Scan, EPA 8270
Z19-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 19 Target Area 1	TPH, PCBs, lead, SVOCs	TPH, PCBs, lead, SVOCs	Modified EPA 8015, CLP RAS
Z19-8-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 19 Target Area 2	Dioxins and Furans	Dioxins and Furans	EPA 8280/SAS B

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

considered together. Thus, future data evaluation for each of these parcels should consider the data collected for the entire zone. Zone-wide concerns are described in the Zone Analysis Plan for Zone 19.

Filling began in the area covered by this parcel in approximately 1942. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1946; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 168) covers approximately 45 percent of the parcel. The remaining 55 percent is open space. A portion of the open space in this parcel is part of a larger open space designated as Area 37, which is shared between parcels 138, 139, and 140. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-140-1.

Parcel 140 is located within 500 feet of seven Installation Restoration (IR) Program sites (IR Sites 3, 4, 7B, 9, 11, 13, and 19). Previous investigations have been conducted at these IR sites but they did not include sampling on or immediately adjacent to Parcel 140.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 168

Building 168 was constructed in 1946 and provides warehouse operations. This building is in fair condition and is approximately 120,000 square feet in area with additional interior loft space. This one-story building is constructed with wood framed walls with metal siding, wood frame roof with corrugated metal roofing, and a concrete floor.

Utilities located within and immediately surrounding this building include underground sanitary sewer, storm sewer, water, electrical, and fuel lines. Most of these services are located in the open space east of the building.

Information collected during the EBS indicates that activities conducted within this building included storage and packaging of fuels, oils, and other chemical compounds (chlorinated and non-chlorinated

solvents, corrosives, flammables) for transfer aboard various navy ships. The warehouse space is divided between the Fuel Supply Branch, Serv Mart, PWC, and Ships storage.

The center one-third of Building 168 houses the Fuel Supply Branch shop, which operates and stores fuel transfer and loading equipment (the approximate quantity stored at the time of the site inspection was 200 gallons) and a small repair shop. A large stain of lubricating oil, as recorded in the EBS, covers a 300 square foot area within the Fuel Supply Branch portion of the warehouse. This release is reportedly because of the storage of carts used to pump lubricating oil onto the ships. Five smaller oil stains are also recorded in the EBS for the Fuel Supply Branch. Each of these stains cover about fifteen square feet and occur around heavy equipment such as band saws and drill presses. This area will be covered in Target Area 1.

Building 168 also contains a Serv Mart which acts as a supply center for various chemical compounds (the approximate quantity stored was 3,000 gallons). Three small floor stains and several small areas where the floor is etched have been identified within the Serv Mart area. Sulfuric acid, from fork lift batteries recharging and maintenance, is the probable staining and etching chemical. This area will be covered in Target Area 1.

Activities in the Ships Area of Building 168 include preparing and packaging chemicals for transport to ships (the approximate quantity stored was 3,000 gallons). Approximately 15 percent of the Ships area exhibits small stains.

Activities in the PWC area consisted primarily of cable storage. No hazardous chemicals were observed stored in the area, although dark staining was visible on approximately 15 percent of the floor.

Building 168 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents such as fires or floods are documented to have occurred within Building 168.

Open Space

The open space covers approximately 55 percent of the parcel. This space is located mostly to the north and east of Building 168. The parcel open space area is presently in use for material storage, maintenance equipment parking, and vehicle parking. The ground surface of this open space is approximately 90 percent paved; the remaining unpaved areas are exposed soil. The pavement is a combination of concrete and

asphalt. The condition of the pavement ranges from good to poor; some areas are newly paved while others areas are quite worn.

One transformer and one substation switchgear are located in the open space, east of Building 168. No spills are documented to have occurred within this open space. No other incidents such as fires or floods are documented to have occurred within this open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 140 is bounded by Parcels 134, 138, 139, 141, 154, 164, and 201. Activities of concern on the adjacent parcels include large quantities of fuel storage and transport in Parcel 138 along the northwest boundary with this parcel. Also of concern is the incinerator formerly located to the west in Parcel 139. The parcel area is bounded on the north and west by railroad tracks. A portion of these railroad tracks have been removed or covered over with soil and/or asphalt. The presence, or former presence, of railroad tracks creates a possible environmental concern.

No parcels contiguous with Parcel 140 are IR sites; however, there are seven IR sites within 500 feet of this parcel. If any of the continuing investigations at the nearby IR sites reveal a cause for concern at Parcel 140, then sampling on this parcel may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 140, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another category. The data gaps shown in Table 6-140-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently ongoing to

TABLE 6-140-2

Summary of Data Gaps
NAS Alameda Parcel 140

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting, mating grounds, or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 140.
Installation Restoration (IR) Sites	• IR Sites 3, 4, 7B, 9, 11, 13, and 19 are located within 500 feet of Parcel 140. No subsurface investigation relative to these IR Sites is proposed for Parcel 140. There are possible impacts from wastes reportedly disposed of from former Pacific Coast Oil Company refinery (IR Site 13).
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks. • Former Incinerator.
Potential Parcel-Specific Release Areas	• Building 168.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.

TABLE 6-140-2

Summary of Data Gaps
NAS Alameda Parcel 140

Data Gap	Status/Description
- Fuel Lines	• No fuel lines identified
- Steam Lines	• Steam lines identified
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

address the following data gaps at this parcel: transformers, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines is also addressed separately. Sampling associated with underground fuel and sewer lines is discussed in corresponding protocols presented in Section 3. No Industrial Hygiene (IH) sampling is required for Parcel 140 because no industrial buildings are present.

As noted earlier, Parcel 140 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 140.

Once the data gaps in Table 6-140-2 are addressed and screening-level sampling results from the target areas described below are compared to PRGs and background concentrations, Parcel 140 may be reclassified from BRAC category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP discusses the parcel-specific and zone-wide target areas. This parcel is contained in two zone-wide target areas. One parcel-specific target area was also identified for this parcel. The nature and location of the target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Building 168): This target area contains Building 168 and extends 10 feet around the perimeter of the building (as shown in Figure 6-140-1). Compounds or classes of compounds of concern possible within this target area include TPH, SVOCs, VOCs, and metals. The likelihood of environmental impact having occurred within this target area is classified as potential. Samples to be collected in this target area are listed on Table 6-140-1.

- Zone 19 Target Area 1 (Railroad Tracks): This target area includes all current railroad tracks within or adjacent to the Dock Support Services Zone. Railroad track locations include the boundary between Parcel 139 and Parcel 140, the northern areas of Parcel 159 and Parcel 163, and the mid-section of Parcel 150. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as

having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the three track areas for the zone sampling locations. One of the six surface soil samples is located on this parcel. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. Samples to be collected in this target area are listed in Table 6-140-1. Approximate sampling locations are shown on Figure 6-140-1.

- Zone 19 Target Area 2 (Former Incinerator): The former incinerator was located in Building 68 on Parcel 139. This building was built in 1942 and was demolished 19 years later in 1961. The size of this former building was approximately 400 square feet. Compounds or classes of compounds of concern possible within this target area include dioxins and furans. The likelihood of environmental impact within this target area is classified as potential. One of the four surface soil samples proposed to be collected from this zone-wide target area is located on Parcel 140. Samples to be collected in this target area are listed in Table 6-140-1; approximate sampling locations are shown on Figure 6-140-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) and subsurface GeoProbe soil sampling (SOP 14) are the screening-level techniques that will be employed to assess conditions in the parcel-specific and zone-wide target areas and to identify areas that require further sampling in the follow-up detailed evaluation phase. Table 6-140-1 summarizes screening-level sampling and analysis recommended for the parcel-specific and zone-wide target areas that impact Parcel 140. The locations of the samples to be collected from target areas are shown on Figure 6-140-1.

Nine subsurface GeoProbe samples and two surface soil samples are to be collected in the parcel-specific target area. The samples along the building's eastern edge are to be located in front of the four large roll up doors. The sample locations along the building's western edge are to be spaced as shown in Figure 6-140-1 and are designed to identify any releases that may have resulted from loading and unloading activities associated with railroad cargo. Two surface soil samples will be collected from the zone-wide locations shown on Figure 6-140-1.

Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-150

PARCEL 150 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 150 at NAS Alameda (Figure 6-150-1). The parcel, which is located in the southeast portion of the base, is approximately seven acres in size and is rectangular in shape. The parcel has been classified as requiring a high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. Five parcel-specific and two zone-wide target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling, soil vapor sampling, and GeoProbe subsurface soil sampling. Table 6-150-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been prepared in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 150, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for the buildings, open spaces, and boundaries of Parcel 150, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from non-intrusive investigation phase work which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 139, 140, 151, 154, 159, 160, 163, 199, 201, and 202. This parcel zone has been designated the Dock Support Services Zone (Zone 19). The Dock Support Services Zone encompasses the parcels that are located near the dock area where historical activities included a variety of dock support services. During

TABLE 6-150-1

Summary of Recommended Samples
NAS Alameda Parcel 150

Sample Number	Sample Depth	Type of Sample	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
150-1-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	VOCs	VOCs	EPA 8240
150-1-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	VOCs	VOCs	CLP RAS
150-2-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	VOCs	VOCs	EPA 8240
150-3-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 2	VOCs	VOCs	EPA 8240
150-3-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 2	VOCs	VOCs	CLP RAS
150-4-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 2	VOCs	VOCs	EPA 8240
150-5-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 2	VOCs	VOCs	EPA 8240
150-6-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 3	TPH, VOCs	TPH, VOCs	EPA 8240
150-7-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 3	TPH, VOCs	TPH, VOCs	EPA 8240
150-7-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 3	TPH, VOCs	TPH, VOCs	CLP RAS
150-8-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 4	TPH, VOCs	TPH, VOCs	EPA 8240
150-9-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 4	TPH, VOCs	TPH, VOCs	EPA 8240
150-9-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 4	TPH, VOCs	TPH, VOCs	CLP RAS
150-10-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 5	TPH, VOCs	TPH, VOCs	EPA 8015 Modified
150-10-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 5	VOCs	VOCs	EPA 8240
150-11-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 5	TPH	TPH	EPA 8015 Modified
150-11-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 5	VOCs	VOCs	EPA 8240
150-11-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 5	TPH, VOCs	TPH, VOCs	EPA 8015 Modified, CLP RAS
150-12-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 5	VOCs	VOCs	EPA 8240

TABLE 6-150-1

Summary of Recommended Samples

NAS Alameda Parcel 150

Sample Number	Sample Depth	Type of Sample	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
150-13-4-S-V-DDMMYY	4.0'	GeoProbe	Soil	Target Area 5	TPH	TPH	EPA 8015 Modified
150-13-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 5	VOCs	VOCs	EPA 8240
150-14-4-S-V-DDMMYY	4.0'	GeoProbe	Soil	Target Area 5	TPH	TPH	EPA 8015 Modified
150-14-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 5	VOCs	VOCs	EPA 8240
150-14-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 5	TPH, VOCs	TPH, VOCs	EPA 8015 Modified, CLP RAS
150-15-4-S-V-DDMMYY	4.0'	GeoProbe	Soil	Target Area 5	TPH	TPH	EPA 8015 Modified
150-15-3-V-S-DDMMYY	3'	SVS	Vapor	Target Area 5	VOCs	VOCs	EPA 8240
Z19-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 19 Target Area 1	TPH, PCBs, lead, SVOCs	TPH, PCBs, lead, SVOCs	Modified EPA 8015, EPA 8080, ICAP Scan, EPA 8270
Z19-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 19 Target Area 1	TPH, PCBs, lead, SVOCs	TPH, PCBs, lead, SVOCs	Modified EPA 8015, EPA 8080, ICAP Scan, EPA 8270
Z19-6-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 19 Target Area 1	TPH, PCBs, lead, SVOCs	TPH, PCBs, lead, SVOCs	Modified EPA 8015, CLP RAS
Z19-10-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 19 Target Area 2	Dioxins and Furans	Dioxins and Furans	8280/SAS B

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 19.

Filling began in the area covered by this parcel in approximately 1942. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1946; the ground level and grading have not changed significantly since that time. Dredged material from the channel and turning basin was used as fill for the land area of this parcel. This fill material may have been impacted by hazardous compounds.

Currently, three buildings (Buildings 620, 620A, and 621) and one structure (Structure 302E) cover five percent of the parcel. The remaining 95 percent is open space. The parcel is composed of five distinct areas: a ship yard, a refuse storage yard, Scrap Yard D-7, the family housing maintenance office, and a vehicle parking area. Underground fuel and sewer lines are present on this parcel.

Parcel 150 is adjacent to two Installation Restoration (IR) Program sites; IR Site 13 (the former oil refinery) borders the parcel to the north, and IR Site 16 (the Cans C-2 Area) borders the parcel to the east. Also, IR Sites 9 (Building 410) and 10B (Building 530) are located approximately 100 feet northwest and northeast of the parcel, respectively. No previous investigations have been conducted at Parcel 150, and specific data regarding chemical occurrence at this parcel are not available. Installation of one soil boring (B10B-05) located at the northern boundary of Parcel 150 has been proposed by the IR contractor as part of the investigation of IR Site 13. This proposed boring location is shown in Figure 6-150-1.

Sewer lines present at this parcel are shown in Figure 6-150-1. EBS information indicates that fuel lines are also present at this parcel; however, the locations of these lines are currently unknown. Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 621

Building 621 was constructed between 1985 and 1990, and has served as an industrial shop. Building 621 consists of two interconnected single-story structures constructed of corrugated steel with a concrete floor and corrugated steel roof. The building covers approximately 11,000 square feet. The space currently occupied by Building 621 was used for aircraft parking from 1947 through 1970. From 1975 until the construction of Building 621, it appears to have been used as a material and equipment storage yard.

Utilities located within and immediately surrounding this building include sanitary and storm sewers, telephone, steam, potable and fire protection water, and underground electrical lines.

Information collected during the EBS indicates that this building is currently controlled and utilized by Mare Island Naval Shipyard (MINS). Activities conducted within this building have included metal machining. Metal machining processes typically involve the use of cutting oils and the generation of waste oils. During the site inspection, small quantities of oils (under one gallon) were noted adjacent to each lathe or drill press located within this building. Small quantities of solvents were stored throughout the shop area. Numerous minor lubricating oil stains were noted around machining equipment.

Building 621 is not equipped with a heating-ventilation-air conditioning (HVAC) system.

Buildings 621A

Building 621A was constructed between 1985 and 1990, and has served as a storage facility. Building 621A is a one-story Quonset Hut, constructed of corrugated steel with a concrete floor and corrugated steel roof. The building covers approximately 3,000 square feet.

The space currently occupied by Building 621 was used for aircraft parking from 1947 through 1970. From 1975 until the construction of Building 621A, it appears to have been used as a material and equipment storage yard.

Utilities located within and immediately surrounding this building include sanitary and storm sewers, telephone, steam, potable and fire protection water, and underground electrical lines.

Information collected during the EBS indicates that activities conducted within this building included miscellaneous materials storage. Small quantities of oils, solvents, and paints were noted inside this building. Building 621A is not equipped with an HVAC system.

Buildings 620

Building 620 was constructed between 1985 and 1990 and has served as an office and tool supply center. Building 620 is a one-story wood structure with an asphalt roof and a concrete slab floor. The building covers 3,600 square feet.

Building 621 was constructed between 1985 and 1990, and has served as an industrial shop. Building 621 consists of two interconnected single-story structures constructed of corrugated steel with a concrete floor and corrugated steel roof. The building covers approximately 11,000 square feet. The space currently occupied by Building 621 was used for aircraft parking from 1947 through 1970. From 1975 until the construction of Building 621, it appears to have been used as a material and equipment storage yard.

Utilities located within and immediately surrounding this building include sanitary and storm sewers, telephone, steam, potable and fire protection water, and underground electrical lines.

This building has been used for administrative and support activities for housing maintenance services. An aboveground storage tank (AST) is located next to this building; this AST is described in the Open Space IV subsection. The following chemicals were noted at Building 620 during site inspection: 100 gallons of paint, 25 gallons of adhesive, and less than one gallon of chlorinated solvents. There is no designated chemical storage area in this building.

Building 620 is equipped with an HVAC system. No industrial hygiene issues were noted during the site inspection.

Structure 302E

Structure 302E is a visual marker for Navy pilots flying overhead. It is located in the center of the parcel, and consists of a steel pole anchored in a concrete base surrounded by a fence.

Open Space I

Open Space I encompasses the northwest corner of the parcel, and covers approximately 20 percent of the parcel. Open Space I has been used for storage by MINS and by NADEP. The ground cover is mostly asphalt, which is in poor condition and covered with gravel in several locations. Buildings 621 and 621A are located in the open space. Two covered drum storage areas are located in this open space south of Building 621.

EBS information indicates that this area was used for aircraft parking from 1947 through 1970. From 1975 through 1990, Open Space I appears to have been used as a material and equipment storage yard. In 1990, Open Space I appears to have been developed into its current state. Current activities conducted within this open space include scrap metal storage, minor equipment repairs, and storage of ship board equipment and materials. A hazardous waste accumulation area is present along the northeast corner of Building 621. Ten empty 5-gallon latex paint cans and used oil-soaked rags were noted during site inspection. Paints and solvents (less than 20 gallons) are stored in a hazardous materials locker located next to Building 621. Three 55-gallon drums of "CLLA" cleaner are presently stored in this location. This area is covered under Target Area 1.

Two-hundred 55-gallon and forty 20-gallon drums of unknown material were stored south of Building 621. These drums were stored on wooden pallets within and alongside the covered storage areas. Approximately 300 cylinders of compressed gases were also located in this area. This area will be covered under Target Area 2.

An oil-filled transformer and its associated switches are located within a fenced and concrete paved area east of Building 621. No staining was noted around this area.

Open Space II

Open Space II is located in the southwest corner of the parcel, encompasses the fenced area located west of Parcel 151, and covers approximately 20 percent of the parcel. EBS information indicates that this area was used for aircraft parking from 1947 through 1970. From 1970 until early 1994, the space was leased to U.S. Eagle, which used the space as a storage yard for refuse containers and trucks.

In 1994, Montgomery-Watson began using the space as a staging area for Investigative Derived Waste (IDW) for operations on the east side of the Base. The IDW was primarily soil from borings and monitoring

wells, stored in plastic-lined roll-off bins, pending analytical profiling and appropriate disposal. A total of nine bins were used by Montgomery-Watson in this capacity. The bins were removed in March and May of 1995.

At the present time, a4,000-gallon poly tank and four 55-gallon drums are present in Open Space II. These containers belong to ERM-West and have historically been used to store IDW from monitoring well installation and development. Currently, the drums are empty, and the 4,000-gallon poly tank (with secondary containment) is approximately half full with well development water. That water has been profiled and is scheduled for removal in the near future. The drums will be removed from the site at that time. The 4,000-gallon tank will remain at the site for future investigative activities.

Historical photographs indicate the long-term presence of staining over almost the entire open space. During the site inspection, oil stains and a strong gasoline odor were noted over areas of unpaved soil in the northeast section of this open space. This area is covered under Target Areas 3, and 4.

Open Space III

Open Space III is located in the northeast corner of the parcel, covers approximately 20 percent of the parcel, and includes the fenced area known as Scrap Yard D-7. Open Space III is 80 percent paved with broken and deteriorated asphalt (at Scrap Yard D-7) and 20 percent unpaved (along the eastern parcel border).

Four wooden sheds and a sewage lift station are located in Scrap Yard D-7. The four wooden sheds located in this open space are utilized to store various plane parts.

The footprint of a demolished building was noted at the extreme east side of Parcel 150. It is unclear what the former function of the building may have been.

EBS information indicates that this area was used for aircraft parking from 1947 through 1970. Since 1970, Open Space III appears to have been used as a scrap yard for airplanes. Miscellaneous debris is scattered over the entire area. Five 5-gallon drums of a petroleum-based oil are located along the eastern side of the scrap yard. Oil stains are present throughout the scrap yard and are estimated to cover between five and ten percent of the total area. This area is covered under Target Area 5.

Open Space IV

Open Space IV encompasses the southeast corner of the parcel, and covers approximately 20 percent of the parcel. Open Space IV is leased to Machson Services, a housing maintenance contractor for NAS Alameda. The ground cover in this open space consists of asphalt, which is in poor condition and covered with gravel in several locations.

Building 621 is located in this open space and is used by Machson Services for administrative support activities for the housing maintenance program.

An AST is located north of Building 620. The tank has a capacity of 1,000 gallons and is reported to store gasoline. The ground underneath the tank is not paved, but no staining was noted. Secondary containment around the tank consisted of broken cinder blocks. The remainder of the open space is utilized for employee parking and for vehicle storage.

EBS information indicates that this area was used for aircraft parking from 1947 through 1970. From 1975 through 1985, Open Space IV appears to have been used as a material and equipment storage yard. In 1985, Open Space IV appears to have been developed into its current state.

Open Space V

Open Space V covers approximately 20 percent of the parcel, consists of the parking areas within Parcel 150, and is entirely asphalt paved, with the exception of concrete sidewalks . Open Space V includes the large open parking area that is located in the north-central portion of Parcel 150, and the smaller parking area located between Parcels 199 and 202; in addition, this area includes the stretch of Avenue N located between Eight Street and Parcel 149.

Structure 302E, which is used as a visual marker for planes, is located within this open space. Railroad tracks run north to south through this open space.

EBS information indicates that this area was used for aircraft parking from 1947 through 1970. From 1975 through 1985, Open Space V appears to have been used as a material and equipment storage yard. In 1985, Open Space V appears to have been developed into a parking area. Minor staining associated with vehicle parking is present

throughout this open space. This area is covered under Zone 19 Target Area 2.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground storage tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 150 is bounded to the north by Parcels 153 and 211, to the west by Eighth Street (which is part of Parcel 159), to the south by Parcels 165 and 167, and to the east by Parcel 149. Parcel 150 surrounds Parcels 151, 199, and 202. Activities of concern on the adjacent parcels have included a paint stripping facility, an aircraft defueling yard, a missile rework facility, and a staging area for chemically treated lumber.

Also, as discussed previously, Parcel 150 is adjacent to IR Site 13 (the former oil refinery) and IR Site 16 (the Cans C-2 Area). IR Sites 9 (Building 410) and 10B (Building 530) are located within 100 feet.

No previous investigations have been conducted at Parcel 150, although data has been obtained along the boundary of Parcel 150. Samples obtained at Parcel 150 boundaries have not exceeded PRGs. Investigations at neighboring IR sites are on-going. No sampling will be conducted at Parcel 150 unless the continuing investigations at the IR sites reveal a cause for concern. If this is the case, then additional sampling at Parcel 150 may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 150, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap is defined here as a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-150-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-

TABLE 6-150-2

Summary of Data Gaps
NAS Alameda Parcel 150

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 16 is located adjacent to the parcel, and IR Sites 9 and 10 are located within 100 feet of Parcel 150. Additional subsurface investigations have been proposed by the IR contractor. • IR Site 13 is located north of Parcel 199. There are possible impacts from wastes reportedly disposed of from the former Pacific Coast Oil Company refinery.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks, and • Former Incinerator (Parcel 139).

TABLE 6-150-2

Summary of Data Gaps
NAS Alameda Parcel 150

Data Gap	Status/Description
Potential Parcel-Specific Release Areas	• Target Area 1 (Open Space I) - hazardous waste accumulation area; • Target Area 2 (Open Space I) - hazardous substance storage area; • Target Area 3 (Open Space II) - NE corner of US Eagle lot; • Target Area 4 (Open Space II) - SW corner of US Eagle lot; • Target Area 5 (Open Space III) - Scrap Yard.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, steam, and water lines identified.
- Fuel Lines	• No fuel lines identified
- Steam Lines	• Steam lines identified
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

based paint, and asbestos. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in corresponding protocols presented in Section 3.

Industrial hygiene issues do not appear to be of concern at this parcel. However, a one-time compliance program will determine whether further sampling or cleanup measures are required within buildings before transfer or lease can occur.

Once the data gaps in Table 6-150-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 150 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target areas and provides an overview of zone-wide target areas. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 19. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. Five parcel-specific and two zone-specific target areas were identified on this parcel based on the potential release areas described above and listed in Table 6-150-2. Samples to be collected in the target areas are listed in Table 6-150-1.

- Target Area 1 (Open Space I): The soils in the hazardous waste accumulation area, which is located in the northeast corner of Open Space I, have potentially been impacted by spills or leakage of VOCs contained in paints and solvents. This target area covers approximately 1,000 square feet. The likelihood of environmental impact to soils underlying this area is classified as suspect. Samples to be collected in Target Area 1 are listed in Table 6-150-1.

- Target Area 2 (Open Space I): The soils in this area have potentially been impacted by spills or leakage of VOCs contained in paints and solvents. The target area is located in the center of Open Space I and covers approximately 2,000 square feet. The likelihood of environmental impact to soils underlying this area is classified as

suspect. Samples to be collected in Target Area 2 are listed in Table 6-150-1.

- Target Area 3 (Open Space II): The soils in this area were noted to be stained and were releasing a gasoline odor. The area has been classified as having suspect impacts from VOCs and TPH. This target area is located in the northeast corner of Open Space II and covers approximately 7,000 square feet. The likelihood of environmental impact to soils underlying this area is classified as suspect. Samples to be collected in Target Area 3 are listed in Table 6-150-1.

- Target Area 4 (Open Space II): The soils in this area were noted to be stained and may be impacted by VOCs or TPH. This target area covers all of Open Space II (10,000 square feet). The likelihood of environmental impact is classified as potential. Samples to be collected in Target Area 4 are listed in Table 6-150-1.

- Target Area 5 (Open Space III): The scrap yard may have been impacted by VOCs and TPH. The target area comprises 80 percent of Open Space III, and is over 10,000 square feet in size. The likelihood of environmental impact to soils underlying this area is classified as potential. Samples to be collected in Target Area 5 are listed in Table 6-150-1.

- Zone 19 Target Area 1 (Railroad Tracks): This target area includes all current railroad tracks within or adjacent to the Dock Support Services Zone. Railroad track locations include the boundary between Parcel 139 and Parcel 140, the northern areas of Parcel 159 and Parcel 163, and the mid-section of Parcel 150. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the three zone track areas. Two of the six surface soil samples are located on this parcel. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. Samples to be collected in this target area are listed in Table 6-139-1. Approximate sampling locations are shown on Figure 6-139-1.

- Zone 19 Target Area 2 (Former Incinerator): A former incinerator was located in Building 68 on Parcel 139. This building was built in 1942 and was demolished 19 years later in 1961. The size of the former building was approximately 400 square feet. Compounds or classes of compounds of concern possible within this target area include dioxins and furans. The likelihood of environmental impact within this target area is classified as potential. One of the

four sampling locations in this zone target area is located on Parcel 150. The sample is listed in Table 6-139-1. The approximate sampling location is shown on Figure 6-139-1.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in target areas and to identify areas that require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3), and subsurface GeoProbe soil sampling (SOP 14). Table 6-150-1 summarizes screening-level sampling and analysis recommended for the parcel's target areas. Fourteen subsurface GeoProbe soil samples will be collected from the parcel-specific locations shown on Figure 6-150-1. Three surface soil samples will be collected from the zone-specific locations shown in Figure 6-150-1. The sampling locations shown on Figure 6-150-1 are approximate and may be modified in the field. Samples should be collected from areas with the most significant staining. If no staining is evident, sample should be evenly distributed throughout the target area. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above on a higher sampling density as well as the following technologies not previously discussed: soil gas sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22) and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-151

PARCEL 151 EVALUATION PLAN

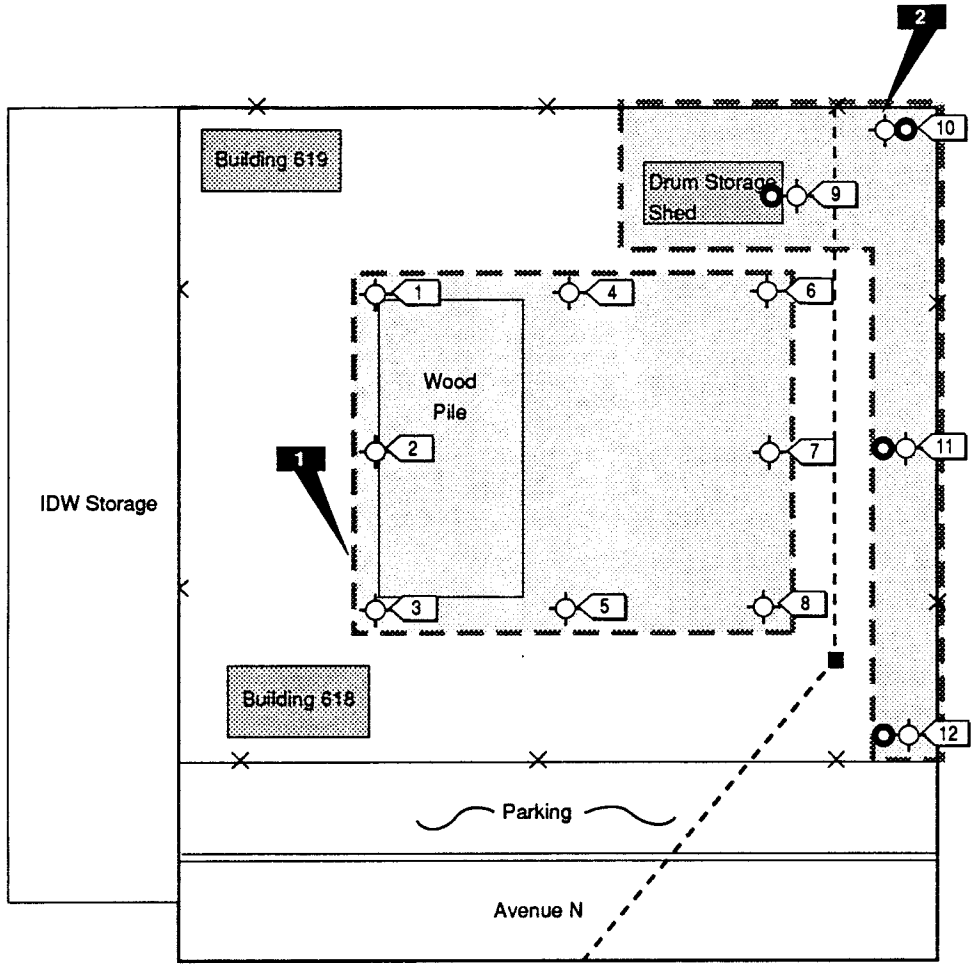
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 151 at NAS Alameda (Figure 6-151-1). The parcel, which is located in the southeast portion of the base, is approximately two acres in size and is rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located on the parcel. Two parcel-specific and one zone-wide target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation include surface soil sampling, and subsurface GeoProbe soil sampling. Table 6-151-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 151, historical activities are discussed below.

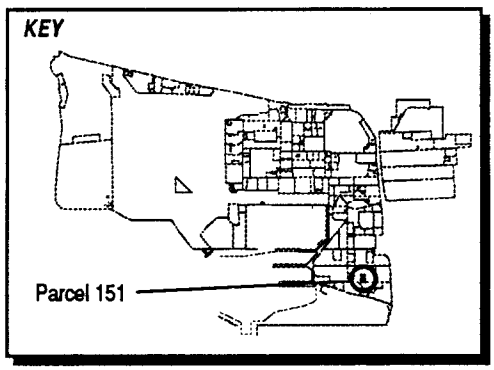
Background and Historical Activities

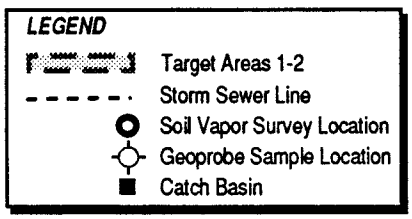
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 151, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 139, 140, 150, 154, 159, 160, 163, 199, 201, and 202. This parcel zone has been designated the Dock Support Services Zone (Zone 19). The Dock Support Services Zone encompasses the parcels that are located near the dock area where historical activities indicated dock support services. During the sampling program development, the parcels located in this zone were







1"= 60'

Figure 6-151-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/GCF/06.16.94

TABLE 6-151-1

Summary of Recommended Samples
NAS Alameda Parcel 151

Sample Number	Sample Depth	Type of Sample	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
151-1-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Metals	SVOCs, Metals	EPA 8270, ICAP Scan
151-2-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Metals	SVOCs, Metals	EPA 8270, ICAP Scan
151-3-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Metals	SVOCs, Metals	EPA 8270, ICAP Scan
151-4-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Metals	SVOCs, Metals	EPA 8270, ICAP Scan
151-5-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Metals	SVOCs, Metals	EPA 8270, ICAP Scan
151-6-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Metals	SVOCs, Metals	EPA 8270, ICAP Scan
151-7-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Metals	SVOCs, Metals	EPA 8270, ICAP Scan
151-7-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	Metals	SVOCs, Metals	CLP RAS
151-8-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Metals	SVOCs, Metals	EPA 8270, ICAP Scan
151-8-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	Metals	SVOCs, Metals	CLP RAS
151-9-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	Modified EPA 8015, EPA 8270, ICAP Scan
151-9-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 2	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	Modified EPA 8015, CLP RAS
151-9-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 2	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	Modified EPA 8015, EPA 8270, ICAP Scan
151-9-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 2	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	Modified EPA 8015, CLP RAS
151-10-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	Modified EPA 8015, EPA 8270, ICAP Scan

TABLE 6-151-1

Summary of Recommended Samples
NAS Alameda Parcel 151

Sample Number	Sample Depth	Type of Sample	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
151-10-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 2	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	Modified EPA 8015, EPA 8270, ICAP Scan
151-11-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	Modified EPA 8015, EPA 8270, ICAP Scan
151-11-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 2	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	Modified EPA 8015, EPA 8270, ICAP Scan
151-12-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	Modified EPA 8015, EPA 8270, ICAP Scan
151-12-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 2	TPH, SVOCs, VOCs	TPH, SVOCs, VOCs	Modified EPA 8015, EPA 8270, ICAP Scan

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 19.

Filling began in the area covered by this parcel in approximately 1942. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1946; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Buildings 618 and 619) and one structure (a drum storage shed) cover approximately five percent of the parcel. The remaining 95 percent is open space. The parcel area is presently used to store creosote treated wood, empty drums, paving materials, and related equipment. Sewer lines are present on this parcel and are shown on Figure 6-151-1.

Parcel 151 is located within 500 feet of IR Site 13 (the former oil refinery), IR Site 10B (the missile rework facility), and IR Site 16 (Cans C-2 Area). No previous investigations have been conducted at Parcel 151, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 618

Building 618 was constructed between 1975 and 1981. This building is generally in fair condition. Building 618 is a one-story building and is constructed of corrugated metal walls with a concrete floor and metal roof, and covers approximately 1,000 square feet. It is used as a covered material storage facility.

Utilities located within and immediately surrounding Building 618 include underground electrical distribution lines and potable and fire protection water lines.

Information collected during the EBS indicates that activities conducted within this building included storage of paving materials

and related equipment. Industrial chemical products have been stored in this building. These products include: 250 gallons of chlorinated and halogenated solvents; 200 gallons of an oxidizer (calcium hypochlorite), and 200 gallons of latex paint. These compounds are typically stored on wood or metal pallets. Two thousand gallons of corrosives are also stored in this shed. No spills were documented for this area.

Building 618 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No incidents (e.g., fires, mishaps, flooding, or crashes) are documented to have occurred at this building.

Building 619

Building 619 was constructed between 1975 and 1981 and served as a covered materials storage facility. Information collected during the EBS indicates that activities conducted within this building include storage of paving materials and related equipment. The building is generally in fair condition. Building 619 is a single story building constructed of corrugated metal walls with a concrete floor and metal roofing, and covers approximately 1,000 square feet.

Utilities located within and immediately surrounding this building include underground electrical distribution lines and potable and fire protection water lines.

Industrial chemical products have been stored in this building. These products include: sodium hydroxide, cupric sulfate, sodium sulfate, roof sealer, asphalt and petroleum, Forane 77, and caustic soda. A spill of cyclohexylamine is documented to have occurred in July 1992. Approximately 5 gallons of the compound were spilled as a result of a hole in the original drum. The leak was secured and the spilled material was redrummed.

Building 619 is not equipped with a HVAC system. No incidents (e.g., fires, mishaps, flooding, or crashes) are documented to have occurred within Building 619.

Open Space

The open space covers approximately 95 percent of the parcel. The ground surface is entirely paved with asphalt. The pavement is generally in good condition.

Structures located within the open space include a drum storage shed located at the northeast corner of the open space. This shed was built

between 1975 and 1981 and is constructed with a concrete floor and metal roofing. This shed covers approximately 1,000 square feet. Activities conducted within and around this structure consist of storage of empty drums.

Utilities located within and immediately surrounding this open space include sanitary, storm, and industrial sewers, underground electrical distribution lines, and potable and fire protection water lines.

EBS information indicates that activities conducted within this open space includes storage of hazardous materials such as drums of corrosives, paint, and cylinders of compressed gases (on the east side of the open space). A review of historical aerial photographs and EBS information indicate that this open space was utilized for aircraft parking from 1947 through 1970. From 1975 through 1981, the parcel appeared to have been used as a material and equipment storage yard.

The parcel has been used to store treated timbers used in pier building. An accumulation area of large telephone poles and timber treated with creosote and copper green preservative is located in the central area of the open space. This accumulation area is, on average, 50 feet wide by 100 feet long. The wooden poles are stored up to 15 feet high. Many small stains, covering approximately 80 to 90 percent of the storage area were noted beneath the timbers. Review of historical photographs indicates that the treated timber accumulation area is not set in a fixed location, but it is typically located near the center of the parcel. Interviews with area personnel indicate that the logs are treated with creosote before they reach the storage area. The EBS inspectors noticed a strong creosote odor was present in this area.

There is one storm drain located in the southeast portion of the parcel. The area around the drain is stained apparently as a result of the washdown water from the logs and timber. Accumulation of this runoff was observed around the storm drain during site inspections.

No other incidents (i.e., fires, mishaps, or flooding) are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 151 is bounded by Parcel 150 to the north, east, and west, and by Parcels 165 and 167 to the south. Concerns from Parcel 150 include a prevalent gasoline odor, storage of refuse containers and trucks, and assorted oil stains on deteriorated asphalt/dirt ground covering.

There is a potential impact at Parcel 151 because of waste disposal from the former Pacific Coast Oil Company refinery. Reportedly, some of the wastes generated by the refinery were disposed of near-by (i.e., Parcel 170 and other surrounding areas). Based on review of information obtained in the IRP and discussions with the IRP contractors, it appears that subsurface soils in the vicinity of Parcel 151 may be impacted by TPH and SVOCs.

No parcels contiguous with Parcel 151 are IR sites, therefore, no sampling of parcel boundaries is called for in this PEP. If the continuing investigations at the IR sites reveal a cause for concern, then additional sampling at Parcel 151 may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 151, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-151-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, no industrial buildings, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

Although no IH sampling is specified in this PEP, IH issues are potentially of concern in Buildings 618 and 619. A one-time compliance program will determine whether further sampling or cleanup measures are required within the storage areas of these buildings before transfer or lease can occur.

Once the data gaps in Table 6-151-2 are addressed and screening-level sampling results from the target areas described below are compared to

TABLE 6-151-2

Summary of Data Gaps
NAS Alameda Parcel 151

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 10B (Missile Rework) is located within 500 feet north of Parcel 151. • IR Site 13 (Former Oil Refinery) is located within 500 feet north of Parcel 151. There are possible impacts from wastes reportedly disposed of from former Pacific Coast Oil Company refinery. • IR Site 16 (Cans C-2 Area) is located within 500 feet west of Parcel 151.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks
Potential Parcel-Specific Release Areas	• Preserved Wood Storage. • Eastern Boundary of Parcel.

TABLE 6-151-2

Summary of Data Gaps
NAS Alameda Parcel 151

Data Gap	Status/Description
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Fuel Lines	• No fuel lines identified
- Steam Lines	• No steam lines identified
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

the appropriate screening levels, Parcel 151 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains two parcel-specific and one zone-wide target areas. This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 19. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following two parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-151-2.

- Target Area 1 (Open Space): This target area is located in the center of the parcel and encompasses the preserved-wood storage area. This target area covers over 10,000 square feet. Compounds of concern possible within this target area include SVOCs and metals associated with wood preservation. The likelihood of environmental impact having occurred in this area is classified as potential.

- Target Area 2 (Open Space): This target area is located along the east boundary of the parcel and covers approximately 9,000 square feet. Compounds of concern possible within this target area include SVOCs, TPH, and VOCs. The likelihood of environmental impact having occurred in this area is classified as potential.

- Zone 19 Target area 2 (Former Incinerator): This parcel does not contain any samples from this zone.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface soil sampling (SOP 14).

Table 6-151-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 151. Twelve subsurface soil samples and four surface soil samples will be collected from the locations shown on Figure 6-151-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-154

PARCEL 154 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 154 at NAS Alameda (Figure 6-154-1). The parcel, which is located in the southeast portion of the base, is approximately 14 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains five RCRA sites (SWMU/GAP 67, SWMU/GAP 68, SWMU/GAP 69, SWMU/GAP 71, and SWMU/GAP 72). None of these sites have been identified in the Part B Permit as requiring an RFI. Five parcel-specific investigation areas and one zone-wide target investigation area (target area) have been identified on this parcel. Sampling procedures called for in the screening-level investigation include surface soil sampling, and subsurface soil sampling. Table 6-154-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 154, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 154, consistent with the objectives identified in the Shell Workplan. This subsection also identifies Installation Restoration Sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 139, 140, 150, 151, 159, 160, 163, 199, 201, and 202. This parcel zone has been designated the Dock Support Services Zone (Zone 19). The Dock Support Services

TABLE 6-154-1

Summary of Recommended Samples
NAS Alameda Parcel 154

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
154-1-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
154-1-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 1	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, CLP RAS
154-1-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
154-1-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, CLP RAS
154-2-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
154-2-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
154-3-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
154-3-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
154-4-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
154-5-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
154-6-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
154-7-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
154-7-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, CLP RAS

TABLE 6-154-1

Summary of Recommended Samples
NAS Alameda Parcel 154

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
154-8-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
154-9-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
154-9-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 2	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, CLP RAS
154-10-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 2	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
154-11-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 3	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
154-11-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 3	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, CLP RAS
154-11-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
154-11-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 3	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, CLP RAS
154-12-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 3	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
154-12-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 3	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, CLP RAS
154-12-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, EPA 8240, ICAP Scan
154-12-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 3	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, CLP RAS
154-13-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 3	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, EPA 8240, ICAP Scan
154-13-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, EPA 8240, ICAP Scan

TABLE 6-154-1

Summary of Recommended Samples
NAS Alameda Parcel 154

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
154-14-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 3	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, EPA 8240, ICAP Scan
154-14-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, EPA 8240, ICAP Scan
154-15-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 4	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, EPA 8240, ICAP Scan
154-16-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 4	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, EPA 8240, ICAP Scan
154-17-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 4	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, EPA 8240, ICAP Scan
154-18-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 4	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, EPA 8240, ICAP Scan
154-18-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 4	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, CLP RAS
154-19-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 5	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, CLP RAS
Z19-9-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 19 Target Area 2	Dioxins and Furans	Dioxins and Furans	EPA 8280/SAS B

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

Zone encompasses the parcels that are located near the dock area where historical activities indicated dock support services. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 19.

Filling began in the area covered by this parcel in approximately 1942. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1946; the ground level and grading have not changed significantly since that time. Dredged material taken from the channel and turning basin was used as fill for the land area of this parcel. This fill material may have been impacted by hazardous compounds.

Currently, five buildings (Buildings 167, 72B, 164, 555, and 340) and one structure (Structure 287-Sewage Lift Station) cover 15 percent of the parcel. The remaining 85 percent is open space. The open space areas consist of vehicle parking areas located in the eastern and western portions of the parcel, and a material storage, vehicle storage, and shop area located between and south of Buildings 166 and 167. One building (Building 318-Light Tower) was formerly located on the parcel and has since been demolished. Underground fuel lines and sewer lines are present on this parcel and are shown on Figure 6-154-1.

Parcel 154 is located adjacent to Installation Restoration (IR) Program Site 9 (Building 410), 300 feet west of IR Site 13 (Former Oil Refinery), and 125 feet southeast of IR Site 17 (Seaplane Lagoon). No previous investigations have been conducted at Parcel 154, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 167

Building 167 was constructed circa 1947 and serves as an aircraft maintenance hangar (Figure 6-154-1). This building is in fair condition. Building 167 is a single story building constructed of concrete with a concrete floor, and covers approximately 60,000 square feet.

Utilities located within and immediately surrounding Building 167 include sanitary sewer, storm sewer, telephone, steam, water, electrical, and industrial sewer lines. An air permit covering dryers, anodizing tanks, degreasers, the spray booth, dipping tanks, the magnetic particle inspection machine, the resin mixing station, the curing oven, abrasive blasting, and miscellaneous chemical usage exists for Building 167. The interior of the building is divided into northwest, northeast, southwest, and southeast shop areas. These are, respectively, a prop components shop, a shipboard repair group, a west prop shop, and an east prop shop. In addition, the building contains small shop areas on its western side, which include a paint and resin shop, a grinding and sandblasting shop, a rubber shop, and a tool area.

Information collected during the EBS indicates that activities conducted within this building included painting; resin mixing; parts washing in solvent dip tanks; metal treatment; metal machining; paint stripping/sandblasting; defueling of aircraft prior to maintenance; and replacing or filling of lubricating and/or hydraulic fluids. These processes can involve the generation of the following potentially hazardous wastes: paints, resins, solvents (both halogenated and non-halogenated), metal treatment wastes, sandblast grit (which may contain heavy metals), petroleum products, empty containers, and rags.

Various acids, alkalis, halogenated solvents, non-halogenated solvents, resins, and heavy metals have been used throughout the ground floor of the building. Five aboveground dip tanks are located against the south wall of Building 167. Two of the tanks contain PD-680; one contains hot oil; one contains alkali; and one contains 1,1,1-trichloroethane (1,1,1-TCA). A sodium hydroxide (NaOH) dip tank is located at the north wall of the west prop shop. Anodizing dip tanks containing chromic and nitric acid are located in the center of the west shop area. Hazardous substances (including acids, bases, halogenated solvents, and non-halogenated solvents) are stored in hazardous material lockers and in an open metal shed against the south wall. Disposal of used chemicals is accomplished by transfer to at a generator accumulation point (GAP) site, or pumping into a portable storage tank located outside Building 167.

GAP sites are located in the prop components shop and in the west prop shop. The GAP site located at the prop components shop contained the following: a 55-gallon drum with paper products, a 55-gallon drum with metal cans, a 55-gallon drum with spent Envirosolv CRX solvent emulsion cleaner, a 25-gallon drum with contaminated towels (solvents and oils), and a 5-gallon can of MEK. All drums were stored on pallets, and the area was surrounded by secondary containment. The GAP site at the west prop shop contained the

following: a 55-gallon drum with lead contaminated glass beads, three 55-gallon drums with metal cans, a 25-gallon drum with MEK, a 25-gallon drum with contaminated towels (solvents and oils), a 25-gallon drum of aerosol cans, a 5-gallon can of MEK, and a 5-gallon can of alcohol. All drums were stored on pallets, and the area was surrounded by secondary containment.

A spill of nitric acid was documented to have occurred on July 14, 1992. Approximately 50 gallons of nitric acid were spilled. The spill was neutralized and cleaned up with absorbents. Review of aerial photographs and site inspection data indicates that undocumented spills of lubricants, halogenated and non-halogenated solvents, acids, alkalis, and heavy metal solutions may have occurred throughout Building 167.

Building 167 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents (e.g.., fires, mishaps, flooding, or crashes) are documented to have occurred within Building 167.

Building 72B

Building 72B is located immediately southeast of Building 166. The building appeared to be a shed constructed of corrugated steel. Building 72B and the area immediately surrounding it are fenced off. Access to this area appeared to be strictly through Building 166. The interior of this building could not be inspected during the site inspection. The building appears to be used as a chemical storage shed.

Utilities located within and immediately surrounding this building include sanitary and storm sewers, underground electrical distribution lines, potable and fire protection water lines, and steam and condensate lines.

Building 164

This building is not shown on the NAS Alameda Base Map, nor does it appear in the building database. Building 164 appears to be an administration building. The exterior of the building is aluminum siding with a wood roof. It appears to be a portable building, and is labeled "PWC Transportation Dept. Dispatch." It is in generally good condition. Utilities located within and immediately surrounding this building include sanitary and storm sewers, underground electrical distribution lines, potable and fire protection water lines, and steam and condensate lines.

A storm drain was located immediately south of Building 164. Hoses, a water spigot, and a clean parked vehicle were noted adjacent to this drain. Also, a 55-gallon drum of cleaning compound was observed on the west side of Building 164. Apparently, this area is utilized for vehicle washdown.

The building and associated shack were locked and could not be entered during the site inspection. No chemical storage issues were noted outside.

Building 555

Building 555 is an electrical substation. It is in fair condition and is still in service. It is a one-story building, and appeared to be of concrete construction over a concrete slab. The structure covers approximately 500 square feet. Information collected during the EBS indicates that activities conducted within this building were in accordance with normal procedures for transformer substations. This type of process historically involved the use of PCBs.

Utilities located within and immediately surrounding this building include sanitary and storm sewers, underground electrical distribution lines, potable and fire protection water lines, and steam and condensate lines.

A fenced concrete paved compound is located on the west side of the substation. No oil-filled, potentially PCB-containing equipment was noted. Eight non-PCB, oil-filled switches, and one non-PCB, oil-filled transformer were located in the compound.

Two 55-gallon drums located on the southeast corner of Building 555 were noted during the site inspection. These drums appeared to contain oil. A dark, oily stain (approximately 5 feet by 5 feet) appeared to originate from these drums. This area is covered under Target Area 5.

Building 340

Building 340 is a fire protection pump house. It is in fair condition. It is one story tall, and appears to be of concrete construction over a concrete slab. The structure covers approximately 800 square feet. A small wooden shack is located immediately south of the building. It appears to contain electrical equipment associated with Building 340.

Utilities located within and immediately surrounding this building include sanitary and storm sewers, underground electrical distribution lines, potable and fire protection water lines, and steam and condensate lines.

The pump house is rated to pump 3,050 gallons per minute. Pump house related piping is located in a 10-foot by 10-foot, fenced area located east of the building. A UST (T-340-1) is located in the fenced area. The UST is reported to be active. A vent pipe was evident on the east side of the building.

A transformer was located in a fenced area, on a concrete pad, north of Building 340. It appeared to be in good condition, and no staining was noted on the concrete pad. The building and associated shack were locked and could not be entered during the site inspection.

Structure 287

Structure 287 is a sewage lift station. It is located on a concrete pad. No chemical storage or wastewater discharge issues were noted at this area.

Open Space I

Open Space I is defined by the area between and south of Building 166 and 167. This space occupies approximately 25 percent of the parcel. Open Space I has been used as a support area for operations inside both these buildings. Over 95 percent of this area is paved with concrete.

Utilities located within and immediately surrounding this building include sanitary, storm, and industrial sewers; underground electrical distribution lines; potable and fire protection water lines; and steam and condensate lines.

EBS information indicate that activities conducted within this open space include chemical, equipment, and material storage operations from 1947 through 1994. Heavy staining was noted in historical photographs of this area. Activities noted during the site inspection were consistent with this history. Areas of note are detailed below.

A hazardous materials storage shed and GAP site for the prop shop is located southwest of Building 167. Hazardous material and miscellaneous material storage yards are located inside fenced areas, directly south of Building 167. Light staining was noted throughout this area. Access to the interior of these storage yards were not made

accessible to the site inspectors. This area will be sampled as Target Area 3.

An industrial dust silo and associated drum was located adjacent to the western wall of Building 166. This area was labeled as a hazardous waste area.

A hazardous material and miscellaneous material storage yard was located south of Building 166. Light staining was noted throughout this area. The Rigger's Support Shop and the hazardous waste storage area may be of concern. The Riggers Support Shop is located directly south of Building 166. Gasoline, oils, and solvents were stored and used in this area, and numerous associated stains were evident. A hazardous waste storage area was located in this yard. Two drums, one containing waste oil and the other containing naphtha and benzene, were stored in a covered accumulation area with secondary containment. An apparent oil stain (15 square feet in size) was associated with this area. This area is covered under Target Area 2.

No other incidents (i.e., fires, mishaps, flooding) are documented to have occurred within Open Space I.

Open Space II

Open Space II is defined as the portion of the parcel's exterior space east of Building 166. This space occupies approximately 25 percent of the parcel. Open Space II is used for vehicle parking (cars, trucks, and buses) and for material and equipment storage. The ground surface of Open Space II is paved with asphalt and concrete. The pavement is generally in fair condition. Structures located within Open Space II include Structure 287 (a sewage lift station).

Utilities located within and immediately surrounding this building include sanitary, storm, and industrial sewers; underground electrical distribution lines; potable and fire protection water lines; and steam and condensate lines.

EBS information indicate that activities conducted within Open Space II include aircraft parking from 1947 through 1970. Since 1970, Open Space II appears to have been used as a material and equipment storage area. No other incidents (i.e., fires, mishaps, flooding) are documented to have occurred within Open Space II.

Open Space III

Open Space III is defined as the area located west of Building 167, the parking area, and the roadway located in the southernmost parcel area. This space occupies approximately 25 percent of the parcel. The ground surface of Open Space III is completely paved. Approximately 80 percent of the paved area is surfaced with asphalt and 20 percent is covered with concrete.

Building 318 was formerly located in Open Space III. It was a light tower, and was demolished at an unknown date. Utilities located within and immediately surrounding this building include sanitary, storm, and industrial sewers; underground electrical distribution lines; potable and fire protection water lines; and steam and condensate lines.

EBS information indicates that activities conducted within Open Space III include aircraft parking from 1947 through 1970. Since 1970, Open Space III appears to have been used for parking and some material storage. No other incidents (i.e., fires, mishaps, flooding) are documented to have occurred within Open Space III.

Underground Storage Tanks

One active tank is present at this parcel (Tank T-340-1). The presence of this tank was identified from Naval Air Station drawings and the EBS. Tank T-340-1 is located immediately west of Building 340. Information about the tank including date of installation, capacity, contents, and tightness testing are unavailable. It is believed that Tank T-340-1 contains fuel for the pump system in Building 340.

Parcel Boundary Conditions

Parcel 154 is bounded by Parcels 139, 140, 152, 153, 155, and 201. Parcel 152 is IR Site 9 (Building 410). Activities of concern on adjacent parcels include the former incinerator on Parcel 139, the industrial wastewater treatment plant on Parcel 153, and the industrial operations on Parcel 201.

There is a potential impact at Parcel 154 because waste disposal from the former Pacific Coast Oil Company refinery. Reportedly, some of the wastes generated by the refinery were disposed of nearby (i.e., Parcel 170 and other surrounding areas). Based on review of information obtained in the IRP and discussions with the IRP contractors, it appears that subsurface soils in the vicinity of Parcel 154 may be impacted by TPH and SVOCs.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with these sites on the parcel, consistent with the objectives described in Section 1 of the Shell Workplan. This parcel includes five RCRA sites (site numbers SWMU/GAP 67, SWMU/GAP 68, SWMU/GAP 69, SWMU/GAP 71, and SWMU/GAP 72). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, of the five RCRA sites at this parcel, none require further investigation. A brief description of each of the RCRA sites is provided below.

Site SWMU/GAP 67 is located at Building 167, Shop 96311. It is unknown whether any chemicals were released from this site. Site SWMU/GAP 67 is listed as removed. The chemicals of concern associated with this site included oil and aerosol paint.

Site SWMU/GAP 68 is located at Building 167, Shop 96314. It is unknown whether any chemicals were released from this site. Site SWMU/GAP 68 contains 30-gallon drums. The chemicals of concern associated with this site include petroleum products. This site is currently active.

Site SWMU/GAP 69 is located at Building 167, Shop 96313. It is unknown whether any chemicals were released from this site. Site SWMU/GAP 69 is a large tank, possibly the portable tank described to be located outside the southwest corner of Building 167. The chemicals of concern associated with this site include corrosive waste with heavy metals including caustic soda, nitric acid, and chromic acid. This site is currently active.

Site SWMU/GAP 71 is located at Building 167, Shop 96313. It is unknown whether any chemicals were released from this site. Site SWMU/GAP 71 contains 30-and 55-gallon drums. The chemicals of concern associated with this site include aerosol paint, lubricants, oils, and solvents. This site is currently active.

Site SWMU/GAP 72 is at Building 167, Shop 96313. It is unknown whether any chemicals were released from this site. Site SWMU/GAP 72 contains 55-gallon drums. The chemicals of concern associated with this site include hydraulic oil, PD-680, and lead. This site is currently active.

An industrial dust silo and associated drum was located adjacent to the western wall of Building 166. This area was labeled as a hazardous waste area.

A hazardous waste storage area is located in the yard south of Building 166. Two drums, one containing waste oil and the other containing naphtha and benzene, were stored in a covered accumulation area with secondary containment. An apparent oil stain (15 square feet in size) was associated with this area. This area is covered under Target Area 2.

A hazardous materials storage shed and GAP site for the prop shop is located southwest of Building 167. Hazardous material and miscellaneous material storage yards are located inside fenced areas, directly south of Building 167. Light staining was noted throughout this area. Access to the interior of these storage yards were not made accessible to the site inspectors. This area will be sampled as Target Area 3.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 154, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-154-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, industrial hygiene concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with USTs, and sewer lines is discussed in corresponding protocols presented in Section 3.

Although no IH sampling is specified in this PEP, IH issues are potentially of concern in Building 167. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-154-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 154 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-154-2

Summary of Data Gaps
NAS Alameda Parcel 154

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 9 (Building 410-Paint Stripping) is located adjacent to the east border of Parcel 154. • IR Site 13 (Former Oil Refinery) is located 300 feet east of Parcel 154. There are possible impacts from wastes reportedly disposed of from former Pacific Coast Oil Company refinery. • IR Site 17 (Seaplane Lagoon) is located 150 feet northwest of Parcel 154.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks. • Former Incinerator.

TABLE 6-154-2

Summary of Data Gaps
NAS Alameda Parcel 154

Data Gap	Status/Description
Potential Parcel-Specific Release Areas	• Interior of Building 167. • Open Space I-Hazardous Material Storage, Southwest of Bldg. 167. • Open Space I-South of Bldg. 167. • Open Space I-South of Bldg. 166.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• One UST currently exists at Parcel 154.
Underground Utilities	• Storm sewer, sanitary sewer, industrial sewer, electrical, and water lines identified.
- Fuel Lines	• No fuel lines identified
- Steam Lines	• Steam lines identified
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

This parcel contains four parcel-specific target areas and is also contained in a zone with a zone-wide target area. This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area/s and the proposed sampling is provided in the Zone Analysis Plan for Zone 19. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following eleven parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-154-2.

- Target Area 1 (Building 167): The area adjacent to the paint booth and resin mixing tank may have been impacted by resins or paints. The dip tank area and soils underlying concrete in the area of the 1,1,1-TCA tank may have been impacted by spills or leakage of hazardous substances that have been stored and utilized in this area. The floor area of the rubber room and the east prop shop was noted to be significantly corroded. The area adjacent to the solvent dip tank that is controlled by the shipboard repair group may have been impacted by solvents. The main entrance of the area may have been impacted by previous operations at the building. This area is covered with a significant stain of unknown origin. Large stains were observed in the Prop components section and the Assembly / Blade section. The target area contains less than 12,000 square feet. Compounds of concern possible within this target area include TPH, SVOCs, and VOCs (1,1,1-TCA) as well as metals in paint residue. The likelihood of impact having occurred at this area is classified as potential.

- Target Area 2 (Open Space I): This area is heavily stained and is adjacent to the hazardous materials storage area for the prop shop and the GAP. The target area contains less than 1,000 square feet. Compounds of concern possible within this target area include TPH, SVOCs, metals, and VOCs. The likelihood of impact having occurred in this area is classified as potential.

- Target Area 3 (Open Space I South of Building 167): This area has been used to store hazardous materials since the construction of Buildings 166 and 167 circa 1947. The target area contains over 10,000 square feet. Compounds of concern possible within this

target area include TPH, VOCs, SVOCs, and metals. The likelihood of impact having occurred in this area is classified as potential.

- Target Area 4 (Open Space I South of Building 166): This area has been used to store hazardous materials since the construction of Buildings 166 and 167 circa 1947. The target area contains over 10,000 square feet. Compounds of concern possible within this target area includes TPH, VOCs, SVOCs, and metals. The likelihood of impact having occurred in this area is classified as potential.

- Target Area 5 (Southeast corner of Building 555): A release of an unknown oily materials was observed in this area during site inspection. The target area contains over 100 square feet. Compounds of concern possible within this target area includes TPH, SVOCs, and metals. The likelihood of impact having occurred in this area is classified as potential.

- Zone 19 Target Area 2 (Former Incinerator): The former Incinerator was located in Building 68 on Parcel 139. This building was built in 1942 and was demolished 19 years later in 1961. The size of this former building was compounds of concern possible within this target area include dioxins and furans. The likelihood of environmental impact within this target area is classified as potential. One of the four surface soil samples proposed to be collected from this zone-wide target area is located on Parcel 154. Samples to be collected in this target area are listed in Table 6-154-1. Approximate sampling locations are shown on Figure 6-154-1.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface GeoProbe soil sampling (SOP 14). Table 6-154-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 154. Nine surface soil samples and seventeen subsurface GeoProbe samples will be collected from the parcel specific target areas and one surface soil sample will be collected from the zone-wide target area. These locations are shown on Figure 6-154-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 20), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-159

PARCEL 159 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 159 at NAS Alameda (Figure 6-159-1). The parcel, which is located in the southeastern portion of the base, is approximately 14 acres in size and has a roughly L-shaped outline. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One zone-wide target and two parcel-specific investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling, and subsurface GeoProbe soil sampling. Table 6-159-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 159, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 159, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

Filling began in the area covered by this parcel in approximately 1942. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1946; the ground level and grading have not changed significantly since that time. Dredged material from the channel and

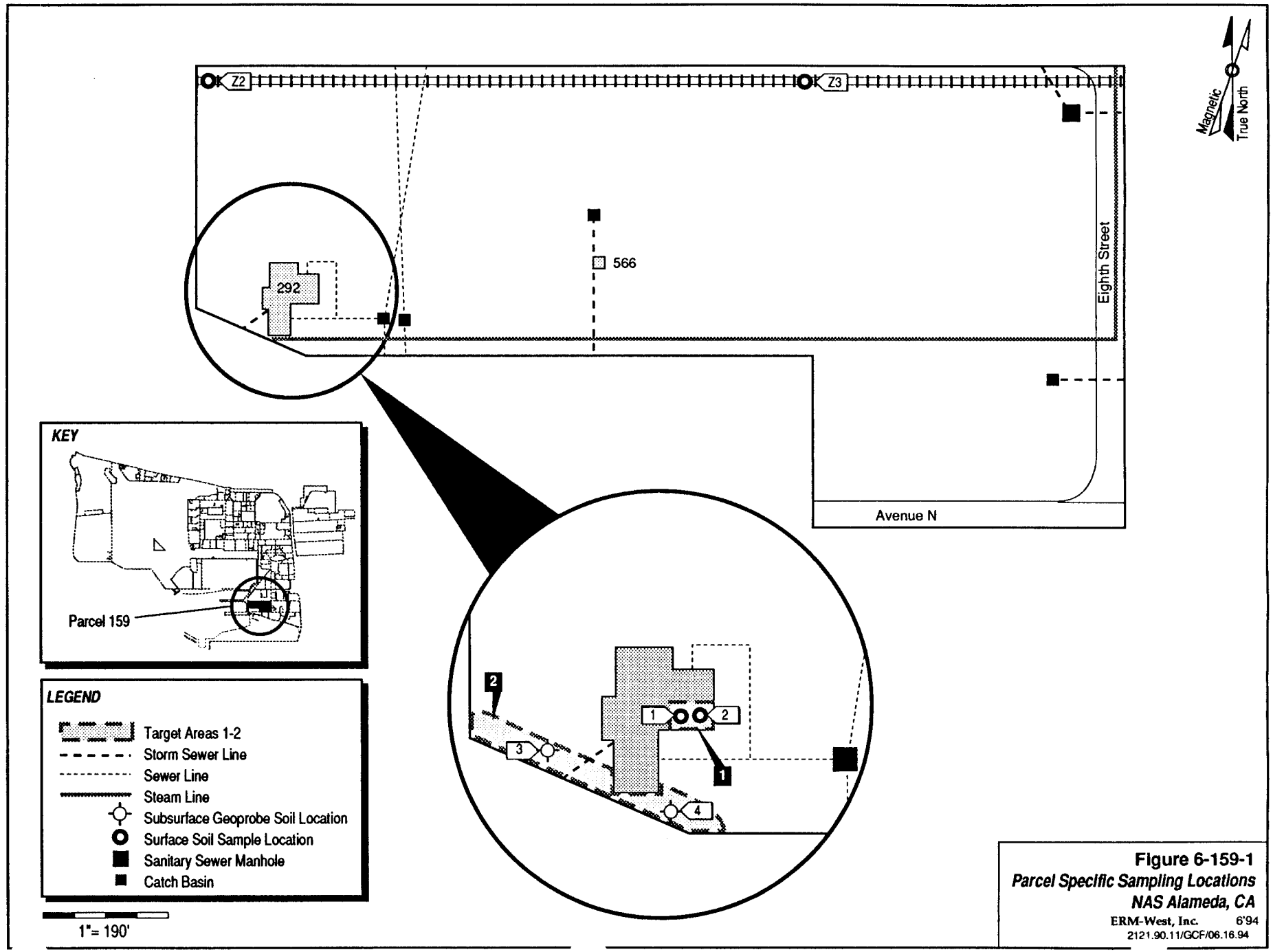


Figure 6-159-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/GCF/06.16.94

TABLE 6-159-1

Summary of Recommended Samples
NAS Alameda Parcel 159

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
159-1-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	EPA 8015 Modified
159-2-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	EPA 8015 Modified
159-2-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	EPA 8015 Modified
159-3-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	TPH	TPH	EPA 8015 Modified
159-4-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	TPH	TPH	EPA 8015 Modified
159-4-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 2	TPH	TPH	EPA 8015 Modified
Z19-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 19 Target Area 1	TPH, PCBs, lead, SVOCs	TPH, PCBs, lead, SVOCs	Modified EPA 8015, EPA 8080, ICAP Scan, EPA 8270
Z19-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 19 Target Area 1	TPH, PCBs, lead, SVOCs	TPH, PCBs, lead, SVOCs	Modified EPA 8015, EPA 8080, ICAP Scan, EPA 8270

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

turning basin was used as fill for the land area of this parcel. This fill material may have been impacted by hazardous compounds.

Currently, two buildings (Buildings 292 and 566) cover approximately one percent of the parcel. The remaining 99 percent is open space. The parcel area is presently in use as a guard/watch tower, rigging shop, and large parking area.

Parcel 159 is located approximately 200 feet southwest of an Installation Restoration (IR) Program site (IR site 9, Building 410-Paint Stripping). No previous investigations have been conducted at Parcel 159, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 292

Building 292 was constructed in 1945 and served as a rigging shop (Figure 6-159-1). Building 292 is a single story building constructed of wood with a concrete foundation, and covers approximately 3,400 square feet. The space occupied by Building 292 was formerly open space used for airplane and missile storage.

Utilities located within and immediately surrounding this building include sanitary and storm sewers, underground electrical distribution, potable and fire protection water, and steam and condensate lines.

Information collected during the EBS indicates that activities conducted within this building included crane and rigging work. Crane and rigging work include use of heavy machinery and typically involved the use or generation of chemicals and wastes including fuels and lubricants. Crane and rigging work has been performed at Building 292 since 1945.

Gasoline is documented to have been stored and used frequently in Building 292. Approximately 100 gallons of lube oil and grease are presently being stored in this building. Disposal of used chemicals (oily rags) is accomplished by collecting the waste in cans. The cans were stored in the western portion of the building at the time of the visual

inspection. The rags are then bagged and transferred to a waste disposal unit.

On-going spills of generator fuel and oil were documented by site inspectors. Large pans were placed under the generators and were observed by on-site inspectors. Significant staining was noted on the ground surrounding the pans. Absorbent was noted to have been applied to the affected area.

A heating-ventilation-air conditioning (HVAC) system was not documented during the site inspection. No incidents (i.e., fires, mishaps, flooding, or crashes) are documented to have occurred within Building 292.

Building 566

Building 566 was constructed in 1975 and serves as a watch tower and guard station (Figure 6-159-1). Building 566 consists of a ladder leading up to a thirty-foot-high platform. The shack, which sits on top of the platform, has an aluminum frame and measures five feet by three feet. The space occupied by Building 556 was formerly open space used for airplane and missile storage.

Utilities located within and immediately surrounding this building include sanitary and storm sewers, underground electrical distribution, potable and fire protection water, and steam and condensate lines.

Information collected during the EBS indicates that activities conducted within this building have been confined to security operations. There is no documentation or physical evidence to suggest that chemical use has ever occurred in this building.

Open Space

The open space covers approximately 99 percent of the parcel. The ground surface of the open space is entirely paved. Approximately 95 percent of the paved area is surfaced with asphalt and 5 percent is covered with concrete. The pavement is generally in good condition. There are two temporary structures (a portable toilet and dumpster) located in this Open Space.

Utilities located within and immediately surrounding this Open Space include sanitary and storm sewers, underground electrical distribution, potable and fire protection water, and steam and condensate lines.

EBS information indicates that activities conducted within this open space included aircraft parking from 1947 through 1970. Beginning in 1970, the Open Space appears to have been consistently used as a vehicle parking lot. Staining was noted around Building 292 and at the borders to Parcel 160.

One hundred gallons of lube oil and grease were observed in a Conex storage box located to the east of Building 292 during visual inspections. Also found outside were individual lockers for the following items: flammable materials, grease oil, cleaning gear, and storage hoses pump parts. There is no documentation or physical evidence to suggest that chemical use has ever occurred in this Open Space.

No spills or other incidents (i.e., fires, mishaps, or flooding) are documented to have occurred within the Open Space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 159 is bounded by Parcels 150, 154, 155, 160, 162, 163, 165, 199, and 202. Activities of concern on these adjacent parcels include industrial processes at Parcel 154, fuel storage on Parcel 163, the fueling station at Parcel 165, and the hazardous material/waste storage at Parcel 202.

There is a potential impact at Parcel 159 because of waste disposal from the Pacific Coast Oil Company refinery. Reportedly, some of the wastes generated by the refinery were disposed of in the near-by marsh (i.e., Parcel 170 and other former marshlands).

Based on review of information obtained in the IRP and discussions with the IRP contractors, it appears that subsurface soils in the vicinity of Parcel 159 may be impacted by TPH and SVOCs associated with IR Site 13. The extent of release associated with IR Site 13 is being addressed by the IRP contractor and is not addressed in the PEP.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 159, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-159-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, and Installation Restoration Sites. Sampling and imaging associated with underground sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

Although no IH sampling is specified in this PEP, IH issues are potentially of concern in Building 292. A one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-159-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 159 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-159-2

Summary of Data Gaps
NAS Alameda Parcel 159

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 9 (Building 410) is located within 200 feet northeast of Parcel 159. Additional subsurface investigation relative to IR Site 9 is proposed by the IR contractor. • IR Site 13 is located northeast of Parcel 159. There are possible impacts from wastes reportedly disposed of from former Pacific Coast Oil Company refinery.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks.
Potential Parcel-Specific Release Areas	• Building 292, Rigging Shop. • Building 292, Generator Room. • Open Space-North Side of Building 292. • Open Space-Southwest Parcel Boundary.

TABLE 6-159-2

Summary of Data Gaps
NAS Alameda Parcel 159

Data Gap	Status/Description
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical lines identified.
- Fuel Lines	• No fuel lines identified
- Steam Lines	• Steam lines identified
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

This parcel contains parcel-specific target areas and is also contained in a zone-wide target area. This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 19. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following two parcel-specific target areas were identified based on the potential release areas described above.

- Target Area 1 (Building 292): The emergency generator room may have been impacted by spills or leakage of petroleum compounds from the emergency generator. This target area covers approximately 1,000 square feet. Compounds of concern are TPH. The likelihood of environmental impact to soils underlying the concrete is classified as potential. Samples to be collected in this target area are listed in Table 6-159-1.

- Target Area 2 (Open Space): The staining in this area indicates that soils in the south border of this parcel may have been impacted by historical spill events. The target area covers approximately 2,000 square feet. Compounds of concern are TPH. The likelihood of environmental impact to soils underlying the asphalt is classified as potential. Samples to be collected in this target area are listed in Table 6-159-1.

- Zone 19 Target Area 1 (Railroad Tracks): This target area includes all current railroad tracks within or adjacent to the Dock Support Services Zone. Railroad track locations include the boundary between Parcel 139 and Parcel 140, the northern areas of Parcel 159 and Parcel 163, and the mid-section of Parcel 150. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. Surface soil samples will be collected approximately every 800 linear feet along the three track areas for a total of six zone sampling locations. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. Samples to be collected in this target area are

listed in Table 6-159-1. Approximate sampling locations are shown on Figure 6-159-1.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3), and subsurface GeoProbe soil sampling (SOP 14). Table 6-159-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 159. Two subsurface soil samples, and two surface soil samples will be collected from the locations shown on Figure 6-159-1. In addition, two soil samples will be collected from the zone-wide location shown in Figure 6-159-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil gas sampling (SOP 6), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-160

PARCEL 160 EVALUATION PLAN

This parcel-specific Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 160 at NAS Alameda (Figure 6-160-1). The parcel, which is located in the southeast portion of the base, is approximately three acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the sampling objectives outlined in Section 1. No RCRA sites were identified at this parcel. Two target investigation areas (target areas) have been identified on this parcel. Surface soil sampling is the procedure called for in the screening-level investigation in these areas. Table 6-160-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 160, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 160, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern, consistent with objective 2 in Section 1.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with several other parcels (Parcels 139, 140, 150, 151, 154, 159, 163, 199, 201, and 202). This parcel zone has been designated the Dock Support Services Zone (Zone 19). This zone encompasses parcels immediately east of the Dock Zone that have contained open areas and buildings associated with dock activities including vehicle and aircraft parking, storage, sewage facilities, electrical facilities, steam generation, and administration. During

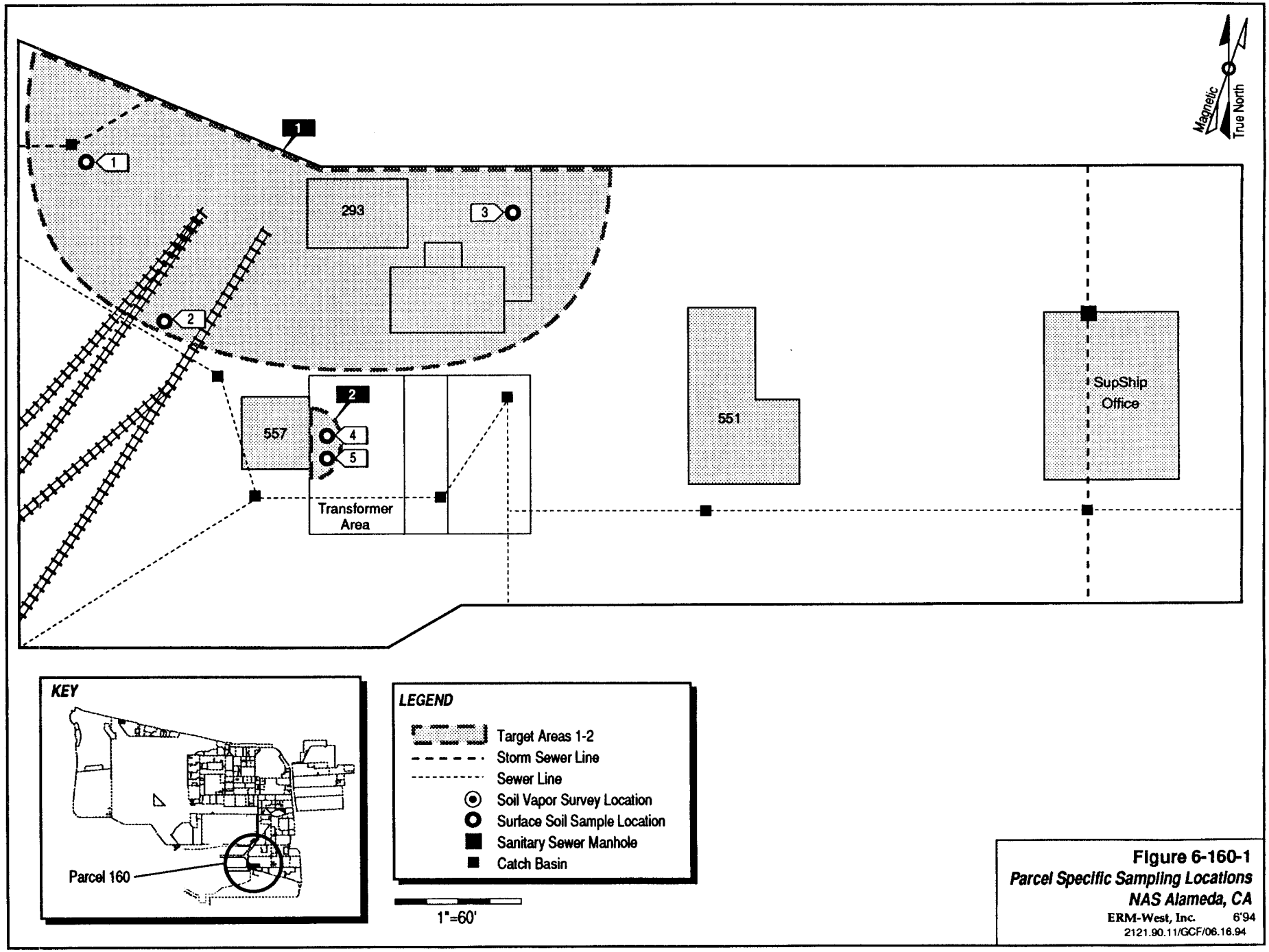


Figure 6-160-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/GCF/06.16.94

TABLE 6-160-1

Summary of Recommended Samples
NAS Alameda Parcel 160

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Compounds of Concern	Target Analytes	Analytical Method
160-1-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	EPA 8015 Modified
160-2-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	EPA 8015 Modified
160-3-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	EPA 8015 Modified
160-3-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 1	TPH	TPH	EPA 8015 Modified
160-4-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	TPH, PCBs	TPH, PCBs	EPA 8015 Modified, EPA 8080
160-5-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	TPH, PCBs	TPH, PCBs	EPA 8015 Modified, EPA 8080
160-5-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 2	TPH, PCBs	TPH, PCBs	EPA 8015 Modified, CLP RAS

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

development of the sampling program, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone.

Prior to 1942, the parcel area was completely inundated under San Francisco Bay. The parcel was completely filled between 1942 and 1946; the ground level and grading have not changed significantly since that time. Dredged material from the channel and turning basin was used as fill for the land are of this parcel. This fill material may have been impacted by hazardous compounds.

Currently, three buildings (Buildings 551, 557, and the Supship Office) cover six percent of the parcel. The remaining 94 percent is open space. However, visual inspection revealed numerous trailer type structures in the open space surrounding Building 551.

Parcel 160 is located over 500 feet away from any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 160, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 551

Building 551 was constructed to be used as a sewage holding tank and pump station. It is in fair condition and is still serving its original purpose. The concrete structure covers approximately 5,000 square feet.

Utilities located within and immediately surrounding this building include sanitary and storm sewers, underground electrical distribution, potable and fire protection water, and steam and condensate lines.

Information collected during the EBS indicates that activities conducted within this building have always been related to sewage storage. This process involves the containment of large amounts of raw sewage. Due to a pump failure in September 1988, up to 800 gallons of raw sewage may have entered the storm drain. A cleanup effort was conducted by AEM Corporation. These 2,000 lb chlorine

cylinders were noted on the western side of Building 551 during visual inspection.

Four storage lockers on the east and north sides of the building are used for equipment storage. No spills or chemical storage were evident.

Supship Office

The Supship Office is a wooden, trailer type structure that has been in use on Parcel 160 since 1988 (Figure 6-160-1). It remains in generally good condition. Utilities located within and immediately surrounding this building include sanitary and storm sewers, underground electrical distribution, potable and fire protection water, and steam and condensate lines. No spills or chemical storage were evident to site reviewers in the Supship building. A heating-ventilation-air conditioning (HVAC) system was not noted either.

Building 557

Building 557 is a transformer substation with an accompanying electrical distribution line (Figure 6-160-1). This building is still standing. The electrical line extends 8,600 linear feet through the Parcel.

Utilities located within and immediately surrounding this building include sanitary and storm sewers, underground electrical distribution, potable and fire protection water, and steam and condensate lines.

Information collected during the EBS indicates that activities conducted within this building were consistent with normal procedures for transformer substations. This type of process historically involved the use of Poly Chlorinated Biphenyls (PCBs).

There are no reported spills or chemical storage associated with this building, although a forklift parking area was noted adjacent to Building 557.

Open Space

The Open space takes up approximately 95 percent of the parcel. Structures located within the open space include numerous trailer offices that may be moved on a fairly regular basis. They are typically constructed of wood and reinforced with steel. The ground surface of the open space is entirely paved. Approximately 90 percent of the

paved area is surfaced with asphalt and 10 percent is concrete. The pavement is generally in good condition. There are four separate railroad track lines in the western area of the parcel. All four are headed northeast; the tracks end in this parcel shortly after converging.

Utilities located within and immediately surrounding this open space include sanitary and storm sewers, underground electrical distribution, overhead electrical distribution, potable and fire protection water, and steam and condensate lines.

EBS information about this area indicates that aircraft parking and aircraft maintenance took place at this parcel through 1970. Engines from aircraft were preserved here and run periodically. Reportedly fuel and oil spills associated with connecting and disconnecting the engines occurred in this area.

From the early 1970s through the late 1980s, this open space housed boat repair facilities. Three buildings associated with boat repair were formerly located in this space (Buildings 217, 293, 447). Buildings 217 and 293 were used as boat repair shops and shelters until they were demolished in 1988. Each semi-permanent structure covered approximately 1,100 square feet. Little information is available regarding the other former building, building 447. It was also a semi-permanent building but only covered approximately 500 square feet. It was removed prior to 1989.

From the late 1980s through the present, the open space has been used by temporary tenants who occupy trailer-type buildings. During the site walk-through, the Mare Island Shipyard Remote Facility (MINS) was noted to occupy several of these trailers. Hazardous material storage lockers were noted throughout this area. Paint was noted at more than one storage locker in this area, but less than 100 gallons of paint were observed. Also, chemicals (which could include solvents, cleaners, oils) used on ships are stored in Parcel 160's hazardous materials lockers when ships are out of port. In addition, batteries were found stored on pallets outside of the MINS trailer.

General parking area stains were noted throughout the area. Specific mention was made of a stain evident beneath the diesel generator east of Building 557.

Visual inspectors located four transformers on this site. No staining was noted at the concrete area surrounding the transformers.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 160 is bounded by Parcels 155, 159, 198, and 162. The fence line is mainly for parking areas and roadway. Issues of concern at neighboring parcels will be addressed in the appropriate PEP.

Parcel 160 may have been potentially impacted by waste disposal from the Pacific Coast Oil Company refinery. Reportedly, some of the wastes generated by the refinery were disposed of in the near-by marsh (i.e., Parcel 170 and other former marshlands).

Based on review of information obtained in the IRP and discussions with the IRP contractors, it appears that subsurface soils in the vicinity of Parcel 160 may be impacted by TPH and SVOCs. Impacted soils are reported to be confined to depths below the water table.

No parcels contiguous with Parcel 160 are IR sites, therefore, no sampling of parcel boundaries is called for in this PEP. If the continuing investigations at the IR sites reveal a cause for concern, then additional sampling at Parcel 160 may be appropriate.

RCRA Sites

No RCRA sites were identified on this parcel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 160, consistent with the objectives in Section 1 of the Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another category. The data gaps shown in Table 6-160-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently ongoing to address the

TABLE 6-160-2

Summary of Data Gaps
NAS Alameda Parcel 160

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 160.
Installation Restoration (IR) Sites	• No IR site is located within 500 feet of this parcel. • IR Site 13 is located northeast of Parcel 160. There are possible impacts from wastes reportedly disposed of from former Pacific Coast Oil Company refinery.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program. Transformers are present in building 557.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Release Areas	• Open Space • Building 557 (near generator)
Radiological Compounds	• Radiological compounds are being addressed under a separate program
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, steam, electrical, and water lines identified.

TABLE 6-160-2

Summary of Data Gaps
NAS Alameda Parcel 160

Data Gap	Status/Description
- Fuel Lines	• No fuel lines identified
- Steam Lines	• No steam lines identified
Wetlands	• No wetlands identified at this parcel.
Other	• No evidence of other data gaps identified.

following data gaps: transformers, lead-based paint, asbestos, and Installation Restoration Sites. Sampling associated with sewer lines is also addressed separately and is discussed in corresponding protocols presented in Section 3. No Industrial Hygiene (IH) sampling is required for Parcel 160 because no industrial buildings are present.

Once the data gaps in Table 6-160-2 are addressed and screening-level sampling results from the target areas described below are compared to PRGs, Parcel 160 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target areas. The nature and locations of these areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observations and accessibility. One zone-wide and two parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-160-2. One zone-wide target area was identified for this parcel, although no zone-wide sampling has been proposed at this parcel.

- Target Area 1 (Open Space): Soils at the open space between and north of Building 551 and 557 may have been impacted by spills or leakage of hazardous substances that have been stored and utilized in this area as indicated by staining. In addition, soils may have been impacted by historical spill events. The target area covers approximately 10,000 square feet. TPH is the compound of concern. The likelihood of environmental impact to soils underlying the asphalt is classified as potential. Samples to be collected in this target area are listed in Table 6-160-1.

- Target Area 2 (Building 557): Soils adjacent to the emergency generator located immediately east of Building 557 may have been impacted by spills or leakage of petroleum compounds. This target area covers approximately 1,000 square feet. Compounds of concern are PCBs and TPH. The likelihood of environmental impact to soils underlying the concrete is classified as potential. Samples to be collected in this target area are listed in Table 6-160-1.

- Zone Target Area 2 (Former Incinerator): This parcel does not contain any samples from this zone.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level techniques that will be employed to assess conditions in target areas and to identify areas that require further sampling in the follow-up detailed evaluation phase. Table 6-160-1 summarizes screening-level sampling and analysis for the parcel's target areas. A total of five surface soil samples will be collected from the parcel-specific locations shown in Figure 6-160-1. The sample locations shown on Figure 6-160-1 are approximate and may be modified in the field; samples should be located over the area with the most significant staining. If no staining is evident, then the samples should be distributed evenly throughout the target area. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface GeoProbe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-163

PARCEL 163 EVALUATION PLAN

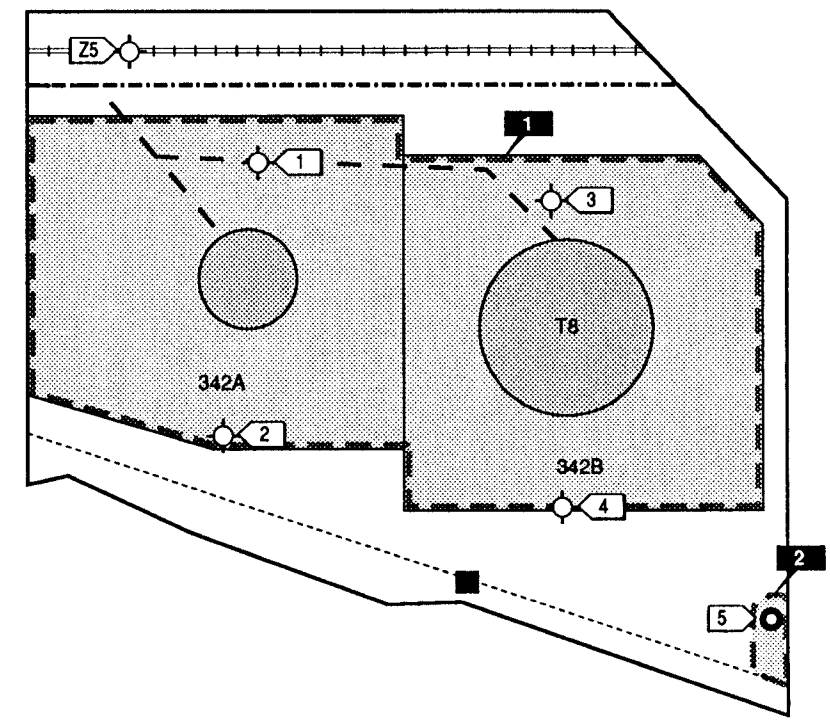
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 163 at NAS Alameda (Figure 6-163-1). The parcel, which is located in the southeastern portion of the base, is approximately three acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. One RCRA site is located at this parcel. Site SWMU GII-22 has been identified in the Part B Permit as requiring a RCRA Facility Investigation (RFI). One zone-wide and two parcel-specific target investigation area (target areas) has been identified on this parcel. Surface soil sampling (SOP 3), and subsurface Geoprobe soil sampling (SOP 14) will be used to accomplish the screening-level investigation. Table 6-163-1 provides the complete list of samples and analysis prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 163, historical activities are summarized below.

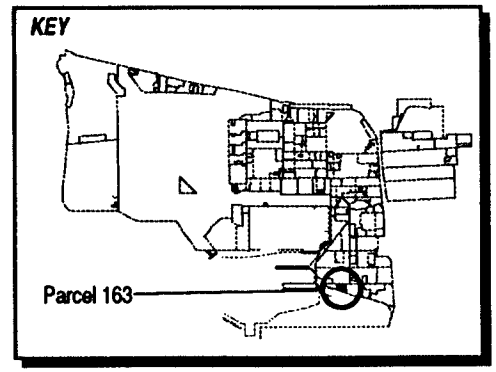
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 163, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 139, 140, 150, 151, 154, 159, 160, 199, 201, and 202. This parcel zone has been designated the Dock Support Services Zone (Zone 19). The Dock Support Services Zone encompasses the parcels that are located near the dock area where historical activities indicated dock support services. During the





LEGEND

- Target Areas 1-2
- Fuel Lines in Use
- Fuel Lines Probably in Use
- Sewer Line
- Surface Soil Sample Location
- GeoProbe Sample Location
- Sanitary Sewer Manhole

1"= 90'

Magnetic
True North

Figure 6-163-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.10/DS/07.07.94

TABLE 6-163-1

Summary of Recommended Samples
NAS Alameda Parcel 163

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
163-1-4-S-S-DDMMYY	4.0'	Geo Probe	Soil	Target Area 1	TPH	TPH	EPA 8015 Modified
163-2-4-S-S-DDMMYY	4.0'	Geo Probe	Soil	Target Area 1	TPH	TPH	EPA 8015 Modified
163-3-4-S-S-DDMMYY	4.0'	Geo Probe	Soil	Target Area 1	TPH	TPH	EPA 8015 Modified
163-4-4-S-S-DDMMYY	4.0'	Geo Probe	Soil	Target Area 1	TPH	TPH	EPA 8015 Modified
163-4-4-S-V-DDMMYY*	4.0'	Geo Probe	Soil	Target Area 1	TPH	TPH	EPA 8015 Modified
163-5-4-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	EPA 8015 Modified
163-5-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 2	TPH	TPH	EPA 8015 Modified
Z19-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 19 Target Area 1	TPH, PCBs, lead, SVOCs	TPH, PCBs, lead, SVOCs	Modified EPA 8015, EPA 8080, ICAP Scan, EPA 8270

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 19.

Filling began in the area covered by this parcel in approximately 1942. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1946; the ground level and grading have not changed significantly since that time.

Currently, two structures (Facilities 342A and 342B- above ground storage tanks) cover approximately 10 percent of the parcel. These structures are surrounded by concrete containment pads, which cover approximately 50 percent of the parcel. The remaining 50 percent is open space. The parcel area is presently in use as a fuel storage area. Underground fuel lines and sewer lines are present on this parcel and are shown on Figure 6-163-1.

Parcel 163 is not located within 500 feet of an Installation Restoration (IR) Program site. No previous investigations have been conducted at Parcel 163; therefore, no specific data regarding potential chemical occurrence are available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within each open space and building are described in detail below.

Open Space

The parcel area consists entirely of open space. The ground surface of the open space is mostly paved. Approximately 50 percent of the paved area is surfaced with asphalt and 50 percent is covered with concrete containment pads. The pavement is generally in fair condition. The open space area is fenced, and part of the fence extends into neighboring Parcel 165.

Structures located within the open space include Facilities 342A and 342B, which were constructed around 1950. The structures are above ground storage tanks. These tanks comprise SWMU GII-22 (also known as GAP 26), and are located within Area 342. One of the tanks is

listed as containing waste oil and the other (#342-A) is reported to have stored diesel and it is currently unused. Utilities located within and immediately surrounding the open space include sanitary sewer and fuel lines.

No spills have been documented for this parcel. However, a review of EBS information including open space inspections indicates that undocumented spills may have occurred including open space staining. The ASTs and/or the former UST may have had releases that impacted this parcel. If such release have occurred, there is a potential that subsurface soils may have been impacted by hydrocarbons. No other incident (i.e., fires, mishaps, or flooding) are documented to have occurred within the open space.

Underground Storage Tanks

One UST, used to store waste oil, was formerly present at this parcel in structure 341, however no structure 341 has been identified at this parcel. This tank has been identified as a RCRA tank based on its former use. No record regarding the tank number of this tank is available. A UST-related investigation concerning the UST formerly on-site is pending and will be addressed as part of the UST program for NAS Alameda.

Parcel Boundary Conditions

Parcel 163 is bordered by Parcels 159, 162, and 165. Activities of concern on these adjacent parcels include the tank truck loading station on Parcel 165.

There is a potential impact at Parcel 163 because of waste disposal from the former Pacific Coast Oil Company refinery. Reportedly, some of the wastes generated by the refinery were disposed of near-by (i.e., Parcel 170 and other surrounding areas).

Based on review of information obtained in the IRP and discussions with the IRP contractors, it appears that subsurface soils in the vicinity of Parcel 163 may be impacted by TPH and SVOCs.

No parcels contiguous with Parcel 163 are IR sites, therefore, no sampling of parcel boundaries is called for in this PEP. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 163, then additional sampling at this parcel may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with this site on the parcel, consistent with the objectives described in Section 1 of the Shell Workplan. This parcel includes one RCRA site (SWMU GII-22). Site SWMU GII-22 is an underground storage tank in Area 342, NAS Fuels Division. It is unknown whether any chemicals were released from this site. This tank was identified as a RCRA tank based on its contents. The dimensions and capacity of the tank are unknown. Two aboveground storage tanks are also located at SWMU GII-22 (also known as GAP 26), and are located within Area 342. One of the tanks is listed as containing waste oil and the other (#342-A) is reported to have stored diesel and it is currently unused. This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these conditions, the location of this former tank must be addressed as part of the NAS Alameda tank program.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 163, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-163-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gap at this parcel: underground storage tanks. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewer lines is discussed in corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 163 because no buildings are present.

Once the data gaps in Table 6-163-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 163 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-163-2

Summary of Data Gaps
NAS Alameda Parcel 163

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 163.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 163.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program. • IR Site 13 is located northeast of Parcel 163. There are possible impacts from wastes reportedly disposed of from former Pacific Coast Oil Company refinery.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks.
Potential Parcel-Specific Release Areas	• Open Space-ASTs. • Open Space-Stain in southeast corner.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• One UST formerly existed at Parcel 163 and has been removed.

TABLE 6-163-2

Summary of Data Gaps
NAS Alameda Parcel 163

Data Gap	Status/Description
Underground Utilities	• Sanitary sewer lines identified.
- Fuel Lines	• Fuel lines identified
- Steam Lines	• No steam lines identified
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

This parcel contains two parcel-specific target areas and is also contained in a zone-wide target area. This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 19. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following two parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-163-2. Samples to be collected from the target areas are listed in Table 6-163-1.

- Target Area 1 (Open Space): Subsurface soils that surround both ASTs may have been impacted by petroleum compounds released from the ASTs and related piping. This target area is over 10,000 square feet in size. The likelihood of environmental impacts having occurred in this target area is classified as suspect.

- Target Area 2 (Open Space): Large scale staining was noted at Parcel 165 in an area adjoining Parcel 163. Subsurface soils at this area may have been impacted by petroleum compounds. This target area is located in the southeast corner of the parcel, and it is less than 1,000 square feet in size. The likelihood of environmental impacts having occurred in this target area is classified as potential.

- Zone 19 Target Area 1 (Railroad Tracks): This target area includes all current railroad tracks within or adjacent to the Dock Support Services Zone. Railroad track locations include the boundary between Parcel 139 and Parcel 140, the northern areas of Parcel 159 and Parcel 163, and the mid-section of Parcel 150. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. Surface soil samples will be collected approximately every 800 linear feet along the three track areas for a total of 6 zone sampling locations. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. Samples to be collected in this target area are listed in Table 6-163-1. Approximate sampling locations are shown on Figure 6-163-1.

Screening-Level Investigation

Surface soil sampling (SOP 3), and subsurface Geoprobe soil sampling (SOP 14) is the screening-level techniques that will be used to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-163-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 163. Five surface soil samples will be collected from the parcel-specific locations shown on Figure 6-163-1. One surface soil sample will be collected from the zone-wide location shown on Figure 6-163-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), ienvironmental air monitoring (SOP 20), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-199

PARCEL 199 EVALUATION PLAN

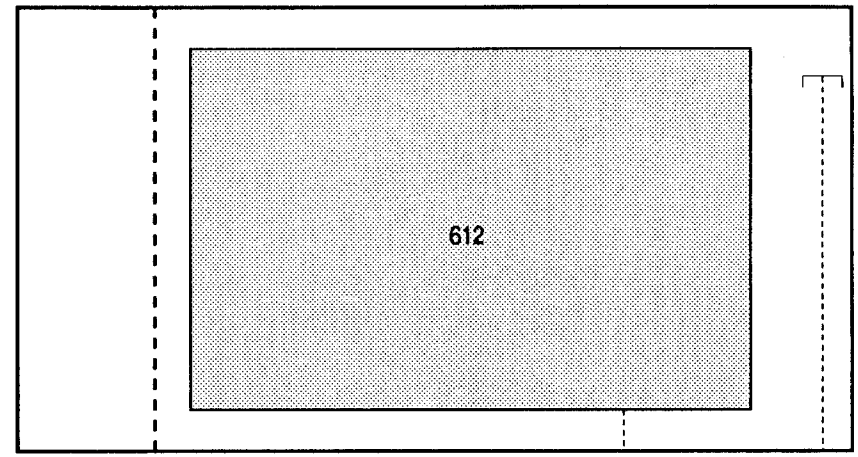
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 199 at NAS Alameda (Figure 6-199-1). The parcel, which is located in the southeast portion of the base, is 0.2 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. No sampling is proposed in this PEP. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. Historical activities on Parcel 199 are discussed below.

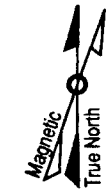
Background and Historical Activities

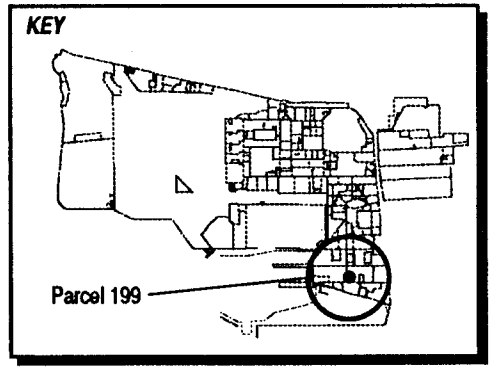
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 199, consistent with the objectives in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 139, 140, 150, 151, 154, 159, 160, 163, 201, and 202. This parcel zone has been designated the Dock Support Services Zone (Zone 19). The Dock Support Services Zone encompasses the parcels that are located near the dock area where historical activities indicated dock support services. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 19.







LEGEND

- Storm Sewer Line
- Sewer Line
- Capped

Note: 1) No Sampling Is Called For In This PEP

1"= 30'

Figure 6-199-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/GCF/06.16.94

Filling began in the area covered by this parcel in approximately 1942. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1946; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 612) covers approximately 65 percent of the parcel. The remaining 35 percent is open space. The parcel area is in use as hose storage and testing. Sewer lines are present on this parcel and are shown on Figure 6-199-1.

Parcel 199 is located within 500 feet of Installation Restoration (IR) Program Site 9 (Building 410, Paint Stripping). No previous investigations have been conducted at Parcel 199, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 612

Building 612 was constructed between 1975 and 1981 (Figure 6-199-1). This building is in good condition. Building 612 is a single story building constructed of concrete walls with a concrete floor and corrugated metal roof, and covers approximately 4,000 square feet.

Utilities located within and immediately surrounding Building 612 include sanitary sewer, storm sewer, steam, water, and electrical lines.

Information collected during the EBS indicates that activities conducted within this building include testing and storage of flexible hoses and piping. This process utilizes a water recycling system, which aids in the testing process. Water is pumped through hoses or pipes and any leakage is caught by floor drains and pumped back into the system. There are no known chemical storage issues for this building.

A heating-ventilation-air conditioning (HVAC) system was not identified in Building 612.

Open Space

The open space covers approximately 35 percent of the parcel. The ground surface of the open space is completely paved. Approximately 80 percent of the paved area is surfaced with asphalt and 20 percent is covered with concrete. The asphalt paving is in very poor condition.

An unidentified piping structure was noted south of Building 584. It was unclear what function this structure served. It is possible that its function is associated with fire control or water recycling activities in Building 612.

EBS information indicates that activities conducted within this open space includes vehicle parking. A review of historical aerial photographs indicate that this area was utilized for aircraft parking from 1947 to about 1970. No staining was noted at parcel 199.

No incidents (i.e., fires, mishaps or flooding) are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 199 is surrounded to the north, east, and south by Parcel 150. Eighth Street (which is part of Parcel 159) borders Parcel 199 to the west. Issues concerning neighboring parcels will be addressed in the appropriate PEP.

There is a potential impact at Parcel 199 from IR Site 13 because of waste disposal from the former Pacific Coast Oil Company refinery. Reportedly, some of the wastes generated by the refinery were disposed of near-by (i.e., Parcel 170 and other surrounding areas).

Based on review of information obtained in the IRP and discussions with the IRP contractors, it appears that subsurface soils in the vicinity of Parcel 199 may be impacted by TPH and SVOCs.

No parcels contiguous with Parcel 199 are IR sites, therefore, no sampling of parcel boundaries is called for in this PEP. If the

continuing investigations at the IR sites reveal a cause for concern, then additional sampling at Parcel 199 may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 199, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-199-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, industrial hygiene concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines is discussed in corresponding protocols presented in Section 3.

Although no IH sampling is specified in this PEP, IH issues are potentially of concern in Building 612. A one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-199-1 are addressed, Parcel 199 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

One zone-wide target area has been identified for this parcel. No parcel-specific target areas were identified for this parcel. The zone-wide target area consists of the railroad tracks that run through Zone 19. However, the samples proposed for the zone-wide target area are located on adjacent parcels; no sampling has been proposed for this parcel. The zone-wide target area is described in detail in the Zone Analysis Plan for Zone 19.

TABLE 6-199-1

Summary of Data Gaps
NAS Alameda Parcel 199

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program .
Installation Restoration (IR) Sites	• IR Site 9 (Building 410) is located within 500 feet of Parcel 199. Additional subsurface investigation relative to IR Site 9 is proposed by the IR contractor. • IR Site 13 is located northeast of Parcel 199. There are possible impacts from wastes reportedly disposed of from former Pacific Coast Oil Company refinery.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Zone 19 Target Area 1: Railroad Tracks
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

TABLE 6-199-1

Summary of Data Gaps
NAS Alameda Parcel 199

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Fuel Lines	• No fuel lines identified
- Steam Lines	• Steam lines identified
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Z19

SECTION 6-201

PARCEL 201 EVALUATION PLAN

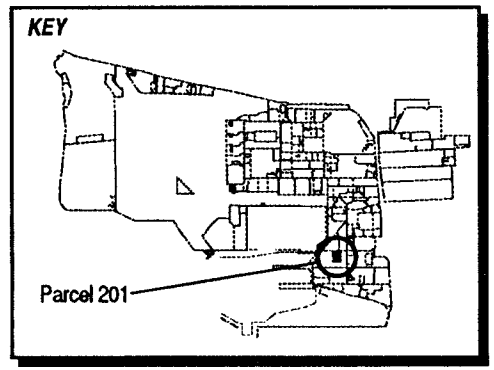
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 201 at NAS Alameda (Figure 6-201-1). The parcel, which is located in the southeast portion of the base, is approximately three acres in size and is roughly rectangular in shape. The parcel has high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains three RCRA sites (SWMU/GAP 8, SWMU/GAP 65, and SWMU/GAP 66). None of these RCRA sites have been identified in the Part B Permit as requiring an RFI. Four parcel-specific and two zone-wide target investigation areas (target areas) have been identified on this parcel. Subsurface GeoProbe sampling will be used in the screening-level investigation. Table 6-201-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 201, historical activities are discussed below.

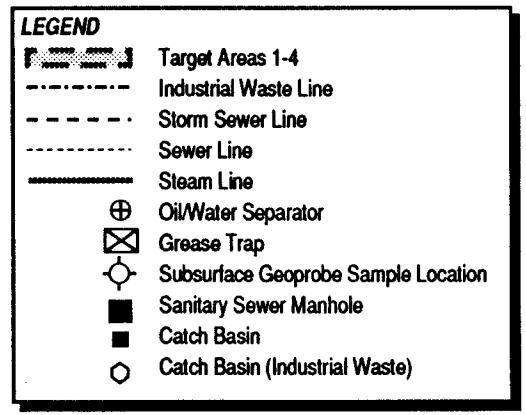
Background and Historical Activities

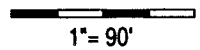
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 201, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies an Installation Restoration Program site and other areas of concern.

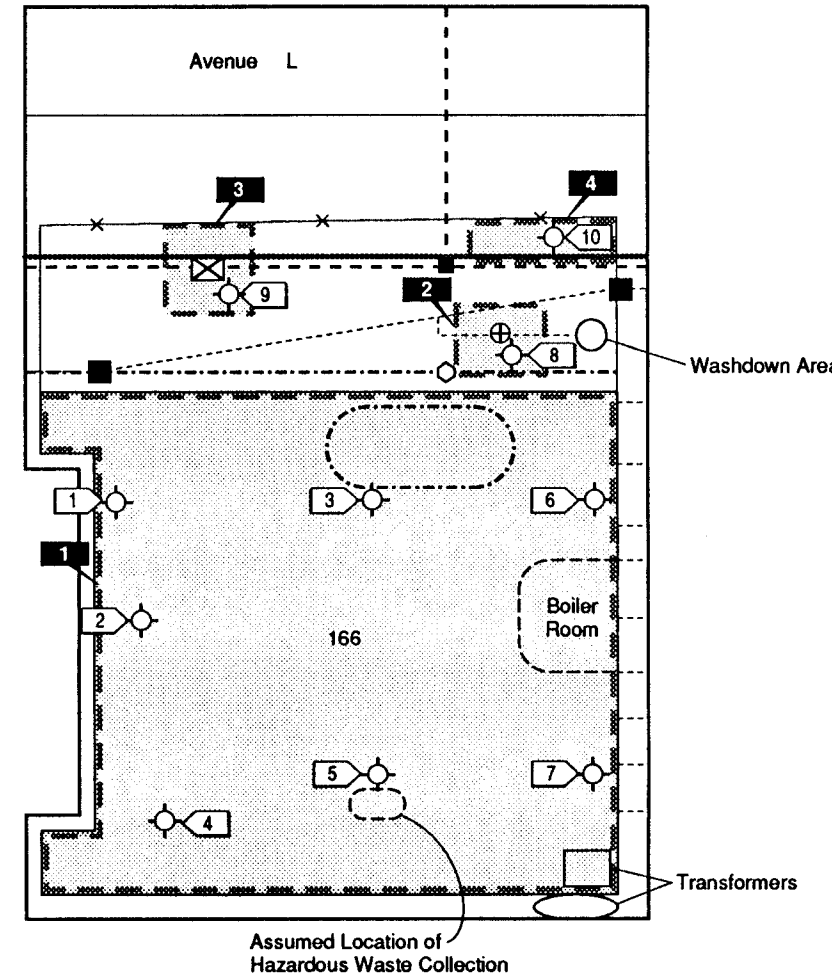
Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 139, 140, 150, 151, 154, 159, 160, 163, 199, and 202. This parcel zone has been designated the Dock Support Services Zone (Zone 19). The Dock Support Services Zone encompasses the parcels that are located near the dock area where historical activities indicated dock support services. During the









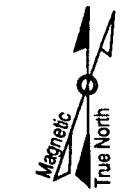


Figure 6-201-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.10/DS/07.13.94

TABLE 6-201-1

Summary of Recommended Samples

NAS Alameda Parcel 201

Sample Number	Sample Depth	Type of Sample	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
201-1-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	VOCs	VOCs, TPH, SVOCs, Metals	EPA 8240, EPA 8015 Modified, EPA 8270, ICAP Scan
201-2-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	VOCs	VOCs, TPH, SVOCs, Metals	EPA 8240, EPA 8015 Modified, EPA 8270, ICAP Scan
201-3-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	VOCs	VOCs, TPH, SVOCs, Metals	EPA 8240, EPA 8015 Modified, EPA 8270, ICAP Scan
201-4-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	VOCs	VOCs, TPH, SVOCs, Metals	EPA 8240, EPA 8015 Modified, EPA 8270, ICAP Scan
201-5-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	VOCs	VOCs, TPH, SVOCs, Metals	EPA 8240, EPA 8015 Modified, EPA 8270, ICAP Scan
201-6-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	VOCs	VOCs, TPH, SVOCs, Metals	EPA 8240, EPA 8015 Modified, EPA 8270, ICAP Scan
201-6-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	VOCs	VOCs, TPH, SVOCs, Metals	EPA 8015 Modified, CLP RAS
201-7-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	VOCs	VOCs, TPH, SVOCs, Metals	EPA 8240, EPA 8015 Modified, EPA 8270, ICAP Scan
201-7-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	VOCs	VOCs, TPH, SVOCs, Metals	EPA 8015 Modified, CLP RAS
201-8-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 2	TPH, Metals	TPH, Metals	EPA 8015 Modified, ICAP Scan

TABLE 6-201-1

Summary of Recommended Samples
NAS Alameda Parcel 201

Sample Number	Sample Depth	Type of Sample	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
201-8-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 2	TPH, Metals	TPH, Metals	EPA 8015 Modified, CLP RAS
201-9-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 3	TPH, Metals	TPH, Metals	EPA 8015 Modified, ICAP Scan
201-9-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 3	TPH, Metals	TPH, Metals	EPA 8015 Modified, CLP RAS
201-10-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 4	VOCs, TPH, SVOCs, Metals	VOCs, TPH, SVOCs, Metals	EPA 8240, EPA 8015 Modified, EPA 8270, ICAP Scan
201-10-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 4	VOCs, TPH, SVOCs, Metals	VOCs, TPH, SVOCs, Metals	EPA 8015 Modified, CLP RAS

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 19.

Filling began in the area covered by this parcel in approximately 1942. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1946; the ground level and grading have not changed significantly since that time. Dredged material from the channel and turning basin was used as fill for the land are of this parcel. This fill material may have been impacted by hazardous compounds.

Currently, one building (Buildings 166) covers 50 percent of the parcel. The remaining 50 percent is open space. The open space includes a yard area associated with Building 166, and, to the north, a parking area and roadway. Sewer lines are present on this parcel and are shown on Figure 6-201-1.

Parcel 201 is located within 500 feet of Installation Restoration (IR) Program Site 9 (Building 410). No previous investigations have been conducted at Parcel 201, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 166

Building 166 was constructed around 1947 and served as an aircraft maintenance hangar (Figure 6-201-1). This building is in fair condition. Building 166 is a single story high bay hangar constructed of concrete and steel siding with a concrete floor and tar and gravel roof, and covers approximately 60,000 square feet.

Utilities located within and immediately surrounding Building 166 include sanitary, storm, and industrial sewers, underground electrical distribution lines, potable and fire protection water lines, and steam and condensate lines.

Information collected during the EBS indicates that activities conducted within this building included metal machining, sandblasting, painting, degreasing, aircraft defueling, and handling of lubricating and hydraulic fluids. These processes typically involve the generation of the following potentially hazardous wastes: sandblast grit (which may contain heavy metals), solvents (both halogenated and non-halogenated), paints, petroleum products, empty containers, and rags. These processes were conducted in the high bay area of the building.

Various hazardous substances and wastes are documented to have been used in the high bay portion of Building 166. These substances and wastes include ten gallons of PCE and TCA, which were stored in metal containers along the building's southern wall. Approximately 60 gallons of paints (in both aerosol canisters and one to five gallon containers) were stored within three flammable materials lockers located on the west wall and within three flammable materials lockers located on the north wall. Paints are stored in work areas throughout the building. Approximately 20 gallons of lubricants and solvents were stored within two flammable materials lockers located on the east wall. Three 55-gallon drums of lubricants were stored in the center area of this building. Rags contaminated with solvents and lubricants were stored within a grounded metal drum located in the south half of Building 166. Sand blast grit was stored in two 55-gallon drums located in the north half of the building. Historical disposition of used chemicals is unknown. Currently, there are three Generator Accumulation Points (SWMU/GAO 8, SWMU/GAO 65, and SWMU/GAO 66) to collect aerosol paints, various lubricants, thinners, solvents, and hydraulic fluids.

Wastewater discharges from inside this building consisted of boiler blowdown. It is unclear whether boiler blowdown is discharged into the sanitary sewer or the industrial sewer.

No spill events are on record for this building. However, the EBS documentation indicates that over 50 percent of the total floor area within this building is stained. Stains appeared to be mostly the result of releases of petroleum products.

Building 166 is not equipped with a heating-ventilation-air conditioning (HVAC) system, however, industrial hygiene issues may pose a concern for this area because of the industrial processes. No incidents (e.g., fires, mishaps, flooding, or crashes) are documented to have occurred within Building 166.

One 150 kVA pad-mounted, oil-filled transformer was located at the southeast corner of the building. In addition, one 500 kVA pad-

mounted, oil-filled transformer (with associated switch gear) was located southeast of the exterior of the building. No staining was noted at either location.

Open Space I

The open space covers approximately 50 percent of the parcel. Open Space I is defined by the fenced in yard located north of Building 166 and the space immediately surrounding Building 166 to the east, south, and west. This space occupies approximately 25 percent of the parcel. Open Space I is used for miscellaneous materials storage. Approximately 50 percent of the paved area is surfaced with asphalt and 50 percent is covered with concrete. The pavement is generally in good condition.

Structures located within Open Space I include two interconnected portable trailers used for "clean room" applications.

Utilities located within and immediately surrounding Open Space I include sanitary, storm, and industrial sewers, underground electrical distribution lines, potable and fire protection water lines, and steam and condensate lines.

EBS information indicates that activities conducted within this open space include miscellaneous materials storage throughout the area, and vehicle washdown in the eastern portion of Open Space I. The drain in this area is connected to an oil/water separator, which appears to be connected to the sanitary sewer. A "clean room," which consisted of two small, interconnected, portable trailers, was noted at the southeast edge of the yard. The "clean room" was locked and unable to be entered. A Proposition 65 warning for a variety of heavy metals was noted on the doorway. A review of aerial photographs indicates that this area has been in its present condition since 1947. Heavy staining has been observed in Open Space I in most of these photographs. A grease trap is located in Open Space I north of Building 166 (see Figure 6-201-1). This facility did not appear to be functioning. At the time of inspection, the grease pit was empty. It appears as though the grease pit is connected to the storm sewer.

No spill events are on record for this area. However, staining is apparent throughout the yard area. Stains appeared to be mostly the result of releases of petroleum products. Two SWMU/GAP sites are located at the northeastern edge of the yard. This area will be detailed below under the section on RCRA Sites.

No other incidents (i.e., fires, mishaps, or flooding) are documented to have occurred within Open Space I.

Open Space II

Open Space II consists of a parking area and Avenue L, both of which are located north of Open Space I. This space occupies approximately 25 percent of the parcel. Approximately one-half of the paved area in this open space is surfaced with asphalt; the remainder is covered with concrete. The pavement is in generally good condition.

Utilities located within and immediately surrounding Open Space II include sanitary, storm, and industrial sewers, underground electrical distribution lines, potable and fire protection water lines, and steam and condensate lines.

EBS information indicates that activities conducted within this open space include vehicle parking and general vehicle traffic. A review of aerial photographs indicates that the use of this open space has not changed significantly since the area first appeared as filled land in 1947.

No other incidents (i.e., fires, mishaps, or flooding) are documented to have occurred within Open Space II.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 201 is bounded by Parcels 139, 140, and 154. Activities of concern on these adjacent parcels include chemical storage on Parcels 139, 140, and 154, and aircraft maintenance operations on Parcel 154.

There is a potential impact at Parcel 201 because of waste disposal from the Pacific Coast Oil Company refinery. Reportedly, some of the wastes generated by the refinery were disposed of in the near-by marsh (i.e., Parcel 170 and other former marshlands).

Based on review of information obtained in the IRP and discussions with the IRP contractors, it appears that subsurface soils in the vicinity of Parcel 201 may be impacted by TPH and SVOCs.

No parcels contiguous with Parcel 201 are IR sites, therefore, no sampling of parcel boundaries is called for in this PEP. If the continuing investigations at the IR sites reveal a cause for concern, then additional sampling at Parcel 201 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with these sites on the parcel, consistent with the objectives described in Section 1 of the Shell Workplan. This parcel includes three RCRA sites (site numbers SWMU/GAP 8, SWMU/GAP 65, and SWMU/GAP 66). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, of the three RCRA sites at this parcel, SWMU/GAP 8 requires further investigation. A brief description of each of the RCRA sites is provided below. The sampling proposed for SWMU/GAP 8 is described in the Target Areas and Compounds of Concern subsection.

Site SWMU/GAP 8 is located in the northeast corner of the yard area north of Building 166 (Figure 6-201-1) and has not had any known releases; however, staining was observed during visual inspections. Site SWMU/GAP 8 is 30 feet by 30 feet on cement pavement. The chemicals of concern associated with this site include paint thinner and paint wastes, waste oil, solvents, and hydraulic fluid. This site is currently active.

Site SWMU/GAP 65 is located in Shop 96312 of Building 166 (Figure 6-201-1). It is unknown whether any chemicals were released from this site. Site SWMU/GAP 65 consists of 30 gallon drums and aerosol cans. The chemicals of concern associated with this site include aerosol paint and some oils.

Site SWMU/GAP 66 is located in Shop 96312 of Building 166 (Figure 6-201-1). It is unknown whether any chemicals were released from this site. Site SWMU/GAP 66 consists of 55 gallon drums. The chemicals of concern associated with this site include lube and engine oils and solvents.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 201, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for

TABLE 6-201-2

Summary of Data Gaps
NAS Alameda Parcel 201

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 9 (Building 410) is located within 500 feet east of Parcel 201. Additional subsurface investigation relative to IR Site 9 is proposed by the IR contractor. • IR Site 13 is located northeast of Parcel 201. There are possible impacts from wastes reportedly disposed of from former Pacific Coast Oil Company refinery.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks. • Former Incinerator.

TABLE 6-201-2

Summary of Data Gaps
NAS Alameda Parcel 201

Data Gap	Status/Description
Potential Parcel-Specific Release Areas	• Building 166-Paint Booth. • Building 166. • Open Space I-Oil Water Separator. • Open Space I-Grease Trap. • Open Space I-Gap Sites.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, steam, electrical, and water lines identified.
- Fuel Lines	• No fuel lines identified
- Steam Lines	• Steam lines identified
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-201-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

Although no IH sampling is specified in this PEP, IH issues are potentially of concern in Building 166. A one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-201-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 201 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains four parcel-specific target areas and is also contained in two zone-wide target areas. This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target areas. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 19. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following five parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-201-2. Samples to be collected in these target areas are listed in Table 6-102-1.

- Target Area 1 (Building 166): This target area encompasses all of Building 166. Soils underlying this building may have been impacted by spills or leakage of hazardous substances that have been stored and utilized in this area. This target area is approximately 10,000 square feet in size. Compounds of concern possible within

this target area include TPH, metals, SVOCs, and VOCs. The likelihood of environmental impact having occurred in this area is classified as potential.

- Target Area 2 (Open Space I): This target area encompasses the oil/water separator. Soils adjacent to the oil/water separator may have been impacted. This target area is less than 1,000 square feet in size. Compounds of concern possible within this target area include metals and TPH. The likelihood of environmental impact having occurred in this area is classified as potential.

- Target Area 3 (Open Space I): This target area encompasses the grease trap. Soils adjacent to the grease trap may have been impacted. This target area is less than 1,000 square feet in size. Compounds of concern possible within this target area include metals and TPH. The likelihood of environmental impact having occurred in this area is classified as potential.

- Target Area 4 (Open Space I): This target area encompasses the SWMU/GAP 8 sites. Soils adjacent to the GAP sites may have been impacted. This target area is less than 1,000 square feet in size. Compounds of concern possible within this target area include metals, SVOCs, VOCs and TPH. The likelihood of environmental impact having occurred in this area is classified as potential.

- Zone 19 Target Area 1 (Railroad Tracks): This parcel does not contain any samples from this zone.

- Zone 19 Target Area 2 (Former Incinerator): This parcel does not contain any samples from this zone.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Subsurface GeoProbe soil sampling (SOP 14) is the technique that will be used in the screening level investigation.. Table 6-201-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 201. Ten subsurface soil samples will be collected from the locations shown on Figure 6-201-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and in QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: surface soil sampling (SOP 3), soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 20), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-202

PARCEL 202 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 202 at NAS Alameda (Figure 6-202-1). The parcel, which is located in the southeast portion of the base, is approximately one acre in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. The parcel contains two RCRA sites (SMWU/GAP 4 and SWMU/unknown). One zone-wide target investigation area (target area) have been identified on this parcel. No parcel-specific target areas have been identified on this parcel. No zone-wide target area samples are located on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 202, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 202, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies underground storage tanks and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 139, 140, 150, 151, 154, 159, 160, 163, 199, and 201. This parcel zone has been designated the Dock Support Services Zone (Zone 19). This zone encompasses parcels located immediately east of the Dock Zone that have contained open areas and buildings associated with dock activities including vehicle and aircraft parking, storage, sewage facilities, electrical facilities, steam generation, and administration. During development of the sampling

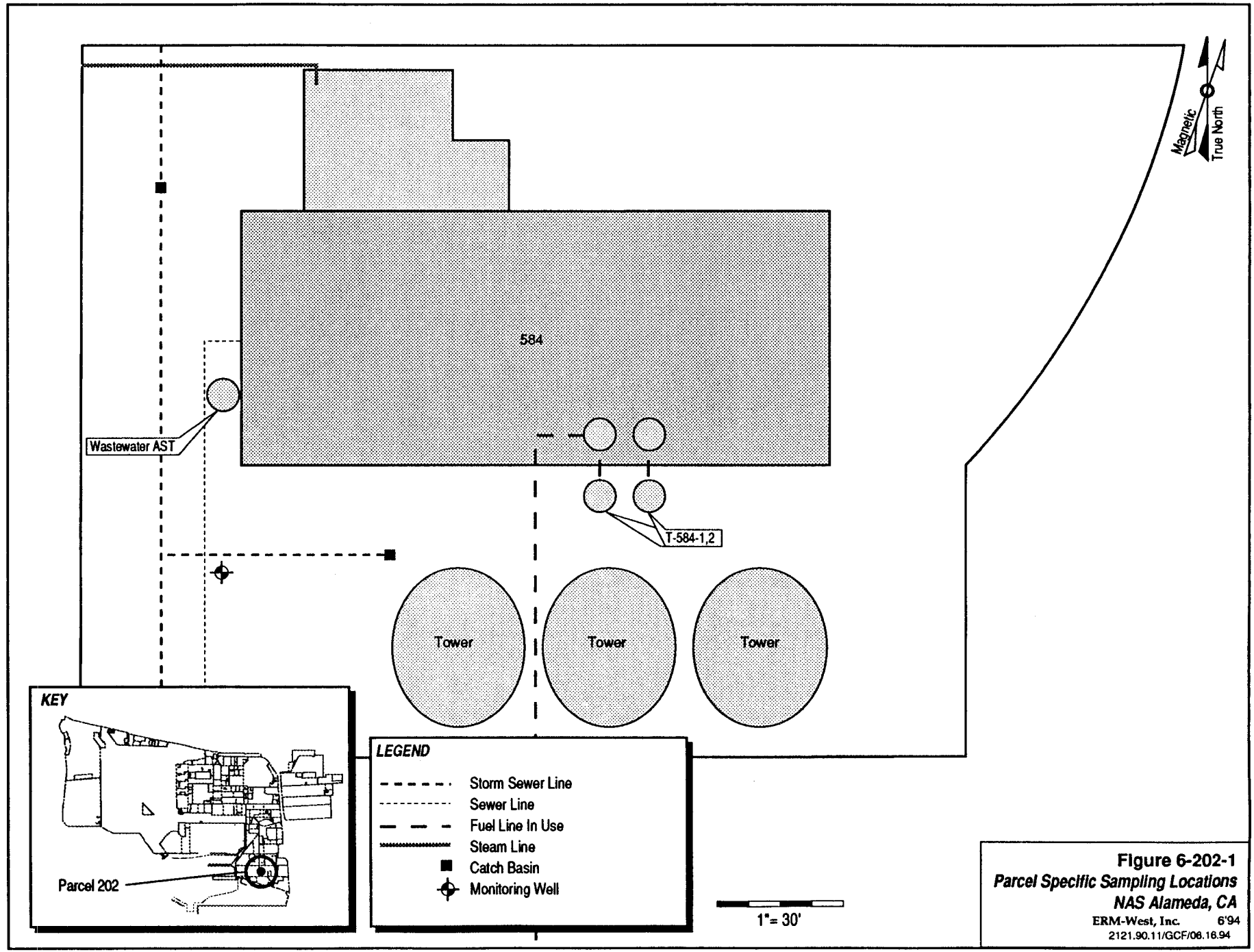


Figure 6-202-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/GCF/08.16.94

program, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 19.

Prior to 1942, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled between 1942 and 1946; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 584) covers approximately 35 percent of the parcel. The remaining 65 percent is open space. The parcel area is in use as the Air and Steam Plant and supporting grounds. Underground fuel and sewer lines are present at this parcel and are shown in Figure 6-202-1.

Parcel 202 is not located within 500 feet of an Installation Restoration (IR) Program site. No previous investigations have been conducted at Parcel 202, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 584

Building 584 was constructed between 1975 and 1981 (Figure 6-202-1). This building is in good condition. It has two stories and is constructed of concrete floors and walls with a corrugated metal ceiling. The building is approximately 7,300 square feet in size. Utilities located within and immediately surrounding this building include sanitary, storm, and industrial sewers; underground electrical distribution lines; potable and fire protection water lines; and steam and condensate lines. Fuel lines apparently enter the building from the south side. These lines connect to the boilers and to USTs.

Air quality permits were issued for the boilers and underground fuel storage tanks related to Building 584. Activities conducted within this building include maintenance and operation of air compressors and a steam plant. This process includes the use of a water testing lab. Site

reviewers noted that plant personnel rinsed laboratory equipment in the sink.

This building supplies compressed air and steam to the piers and the rest of the base. No chromium use was noted in the records search or the site inspection data. A detailed chemical inventory is not available. Chemicals noted during the site inspection include corrosives (caustic soda, sodium sulfite(, lubricating oils, potassium nitrates, and assorted water treatment chemicals. Additional information indicated that approximately 500 gallons of additional corrosives are stored for chemical treatment in the steam plants. Different chemicals are used in the steam plant than those used for water treatment. The building is equipped with a wastewater treatment system for the saline waters produced during the steam generation processes. In addition, interior drains are reported to be connected to the wastewater treatment system. A large aboveground storage tank (AST) is located outside this building and is used to store wastewater prior to treatment.

Two USTs are located along the exterior of the building's southern wall. One tank stores a backup supply of diesel fuel for the boilers located within this building. It was unclear whether the other UST stores diesel fuel or if it is utilized to store wastewater prior to treatment.

Corrosives, lubricating oils, potassium nitrate, and assorted water treatment chemicals are currently stored and used at Building 584. Approximately 140 gallons of corrosives, 150 gallons of oil, and 75 gallons of water treatment chemicals are currently stored inside this building. Corrosives and lubricating oils are stored in 55-gallon drums. Water treatment chemicals are stored in three hazardous materials lockers located adjacent to the water testing laboratory.

During the site inspection, stains were noticed to be present throughout the interior of Building 584. Numerous oil stains, rust stains, and white crystalline stains were observed. In particular, heavy staining was noted adjacent to the west wall of the first floor and adjacent to equipment located at the west wall of the second floor.

Open Space

The open space covers approximately 0.4 acres. The open space is paved in part with asphalt, which is in poor condition. Gravel cover is present throughout. Utilities located within and immediately surrounding this open space include fuel lines, sanitary, storm, and industrial sewers; underground electrical distribution lines; potable and fire protection water lines; and steam and condensate lines. This

parcel has open space areas that are landscaped or unpaved. These open space areas are shown on Figure 6-202-1. These areas have been unpaved or landscaped since the late 1940s.

Most of the open space surrounding this parcel is used for vehicle parking. Three large condensation towers are also located in the open space. The towers are located south of Building 584 (Figure 6-202-1). The area immediately south of Building 584 is used to store hazardous substances, hazardous wastes, and miscellaneous materials (i.e., wood pallets, pipes). Both the hazardous substance storage area and the hazardous waste storage area are surrounded by sandbag containment. A storm drain was located immediately south of both of these storage areas.

At the time of the site inspection, the hazardous substance storage area included 300 gallons of corrosives, 1,100 gallons of lubricating oil, four gallons of latex paint, and under five gallons of aerosol paint. The hazardous waste storage area contained 110 gallons of waste oil generated from the maintenance of compressors. Dark, oil-like stains were noted both inside and outside the containment berm at the hazardous substance storage area.

A transformer was located at the northwest corner of Building 584 on a concrete pad surrounded by a locked gate. No staining was noted. A white crystalline stain was noted adjacent to a storm drain located at the northwest corner of the open space.

A review of historical aerial photographs and EBS information indicates that this parcel was utilized for aircraft parking from 1947 to about 1970. No staining was noted in the aerial photographs at Parcel 202.

Underground Storage Tanks

Two tanks have been removed from this parcel (Tanks 584-1 and 584-2). The presence of these tanks was identified from historical records and visual inspections. It is unknown when these tanks were installed. These tanks were located south of Building 584 and provided fuel for the boiler in the building. Based on the available information, both tanks used to contain diesel fuel and had capacities of 4,000 gallons each. A cathodic protection system was reportedly installed. Hydrocarbon odors were noted during installation. No data pertaining to tightness or tank integrity has been identified.

Parcel Boundary Conditions

Parcel 202 is surrounded to the north, east, and south by Parcel 150, which is currently in use as a vehicle parking area. Eighth Street (which is part of Parcel 159) borders Parcel 202 to the west.

There is a potential impact at Parcel 202 because of waste disposal from the Pacific Coast Oil Company refinery. Reportedly, some of the wastes generated by the refinery were disposed of in the nearby marsh (i.e., Parcel 170 and other former marshlands).

Based on a review of information obtained in the IRP and discussions with the IRP contractors, it appears that subsurface soils in the vicinity of Parcel 202 may be impacted by TPH and SVOCs.

No parcels contiguous with Parcel 202 are IR sites, therefore, no sampling of parcel boundaries is called for in this PEP. If the continuing investigations at the IR sites reveal a cause for concern, then additional sampling at Parcel 202 may be appropriate.

RCRA Sites

This subsection identifies the RCRA sites and requirements associated with this site on the parcel, consistent with the objectives identified in Section 1 of the Shell Workplan. This parcel includes two RCRA sites (SWMU/GAP 4 and SMWU/unknown). Under these criteria, only SWMU/GAP 4 requires further investigation. A brief description of each of the RCRA sites is provided below. The sampling proposed for SWMU/GAP 4 is described in the Target Areas and Compounds of Concern subsection.

SWMU/GAP 4 is the hazardous waste storage area that is located at the south of Building 584. A spill of diesel fuel occurred at SWMU/GAP 4 as a result of overfilling of a UST on November 4, 1993 (Report No. 121649). Approximately 250 gallons of diesel fuel were spilled into a ditch located south of Building 584. The spill was cleaned up using absorbent pads and a vacuum truck. Ten cubic yards of soil were removed.

SWMU/unknown is a hazardous waste storage area locate south of Building 584. SWMU/unknown is a diesel fuel spill that occurred as a result of overfilling of a UST in 1993. The spill was cleaned up using absorbent pads and a vacuum truck, and ten yards of soil were removed. The dimensions of this site are unknown. The chemicals of concern associated with this site include diesel fuel.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 202, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-202-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, and underground storage tanks. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with USTs, and sewer lines is discussed in corresponding protocols presented in Section 3.

Although no IH sampling is specified in this PEP, IH issues are potentially of concern in Building 584. A one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

As noted earlier, Parcel 202 has open space areas that are partially unpaved. Based on current EPA/Cal-EPA policy, unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., unpaved areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 202.

Once the data gaps in Table 6-202-1 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 202 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

One zone-wide target area has been identified for this parcel. No parcel-specific target areas were identified for this parcel. The zone-wide target area consists of the area impacted by the incinerator in Zone 19. However, the samples proposed for the zone-wide target area are located on adjacent parcels; no sampling has been proposed for this

TABLE 6-202-1

Summary of Data Gaps
NAS Alameda Parcel 202

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• IR Site 13 is located northeast of Parcel 202. There are possible impacts from wastes reportedly disposed of from former Pacific Coast Oil Company refinery.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Former Incinerator.
Potential Parcel-Specific Release Areas	• No Potential Parcel-Specific Release Areas
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• Two USTs (Tanks 584-1 and 584-2) currently exist at Parcel 202. • Tanks 584-1 and 584-2: Active. Scheduled to be removed.

TABLE 6-202-1

Summary of Data Gaps
NAS Alameda Parcel 202

Data Gap	Status/Description
Underground Utilities	• Fuel, storm sewer, industrial sewer, and sanitary sewer lines identified.
- Fuel Lines	• No fuel lines identified
- Steam Lines	• Steam lines identified
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

parcel. The zone-wide target area is described in detail in the Zone Analysis Plan for Zone 19.

SECTION 6-Z20

ZONE 20 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 20 at NAS Alameda (Figure 6-Z20-1). Zone 20 has been designated the Service Station Zone and encompasses the parcels that are part of the service station facilities or service station support facilities. Zone 20 is comprised of Parcels 112, 113, and 114. During the sampling program development, the parcels located in this zone were evaluated together. One zone-wide target investigation area (target area) and three parcel-specific target areas have been identified in this zone. Sampling procedures called for in the screening-level investigation in these areas include surface and subsurface soil sampling. Figure 6-Z20-1 illustrates all sample locations for the entire zone, including parcel-specific sampling. Two of the parcels in this zone have been tentatively reclassified from BRAC Category 7. Parcels 113 and 114 have been reclassified to BRAC Category 6, based on their status as IR sites.

This ZAP has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 20, historical activities are discussed below.

Zone 20 Background and Historical Activities

This subsection briefly summarizes EBS information available for buildings, open spaces, and boundaries of Zone 20 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks (USTs), and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the Parcel Evaluation Plans (PEPs) for the parcels contained in this zone.

Past and current use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and

historical aerial photographs (the non-intrusive investigation[1]). This information was used to determine areas in the zone where sampling was deemed necessary to delineate potential impacts of compounds of concern (COCs).

Zone 20, the Service Station Zone, encompasses three parcels that are part of the service station facilities or service station support facilities. During the sampling program development, the parcels located in this zone were evaluated together to better address zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of specific parcel concerns is provided in the PEPs for the individual parcels.

Filling began in the area covered by this zone in approximately 1930. Prior to filling, the area within this zone was comprised predominantly of wetlands. As of 1940, the area within the zone boundary was completely filled; the ground level and grading have not changed significantly since that time.

Currently, three buildings and five structures cover approximately 10 percent of the zone; the remaining 90 percent is open space. Seven buildings formerly located on the zone, have been demolished.

Zone 20 contains IR Site 7A (Naval Exchange Service Station). Because previous investigations have been conducted at Zone 20, specific data regarding chemical occurrence at this zone are available and are discussed in the appropriate PEP.

Sewer and fuel lines present on this zone are illustrated in the individual PEP figures. Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene (IH) concerns and asbestos-containing materials (ACMs) on Zone 20 will be addressed in other sampling programs and are not considered in this ZAP.

Underground Storage Tanks

One inactive UST is present at Parcel 112 (Tank 506-1). Tank 506-1 was installed at an unknown date and is located west of Building 506 (Figure 6-112-1). Tank 506-1 was used to store waste oil from the auto hobby shop in Building 506, and has a capacity of 1,000 gallons. This

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1 The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.

tank, which was identified from the EBS, is scheduled to be removed. The available information did not identify why the UST was abandoned. However, based on general comments made by NAS Alameda personnel, a UST was most commonly abandoned because it was leaking. Tank 506-1, which has been identified as a RCRA tank based on its former contents and inclusion in the RFI, has been designated SWMU Site No. UST-16.

Two abandoned USTs are located on the northern side of Building 459 (Figure 6-113-1) on Parcel 113. One UST (459-8) was used to store unknown types of solvents. The other UST (459-7, SWMU/GAP 16) was used to store waste oil and is located immediately north of the solvent tank. Both tanks have 500 gallon capacities, were scheduled for closure in 1987, and are no longer in use. The waste oil tank, which has not been used since failing a tightness test in 1991, was reported to be leaking in 1992. A previous subsurface investigation (ERM-West, 1987) near both tanks detected total petroleum hydrocarbons (TPH) and benzene in soil at maximum concentrations of 78 ppm and 1.2 ppm, respectively (Figure 6-113-1). Based on their former contents, these tanks have been classified as RCRA tanks. These tanks are scheduled to be removed.

Six gasoline USTs located in Parcel 114 are associated with Building 459 (IR Site 7A). Underground storage tanks 459-5 and 459-6, located west of the refueling islands, have capacities of 10,000 and 8,000 gallons, respectively, and have been abandoned in place (cemented over) due to leakage. These steel tanks formerly stored leaded gasoline, and are currently scheduled to be removed.

Four USTs (459-1, 459-2, 459-3, and 459-4) located northwest of the refueling islands were installed in 1964. Three of the tanks are active and in use, having passed the 1993 tank and piping tightness test. These stainless steel tanks, which currently contain unleaded gasoline and have a capacity of 10,000 gallons each. The fourth tank, which is also a 10,000 gallon capacity steel tank, is currently inactive and scheduled for removal. In 1982, fuel lines between the USTs and the refueling islands were reported to be leaking. During the removal and replacement of the leaking lines, a visible oil sheen and apparent soil contamination were noted.

RCRA Sites

This zone includes four RCRA sites (RCRA tanks) on Parcels 112 and 113. These sites were evaluated consistent with the criteria applied to other potential target areas at the zone. Under these criteria, all the RCRA sites at this zone require further investigation. Because three of

these RCRA sites are abandoned tanks, they are being addressed as part of the UST program and are scheduled to be removed. Any necessary investigation will be implemented as part of the UST program. The other RCRA site (GAP 30) is being addressed as Taget Area 1 on Parcel 112. A brief description of each RCRA site is provided in the corresponding PEP. The sampling proposed for the sites that require sampling is also described in the corresponding PEP.

Zone Boundary Conditions

Zone 20 is bounded by Zones 16 and 21. Main Street borders Zone 20 to the east. No IR sites are located on Zone 16 or Zone 21.

Zone Target Areas and Compounds of Concern

This zone contains one zone-wide target area and three parcel-specific target areas. This subsection of the ZAP discusses the specific zone-wide target area and provides an overview of the parcel-specific target areas. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this zone. Detailed information regarding the parcel-specific target areas and the proposed sampling is provided in the PEPs for individual parcels. The nature and location of the zone-wide and parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

Zone 20 Target Areas

- Zone 20 Target Area 1 (Filled Wetlands): Zone 20 Target Area 1 includes all parcel areas in the Service Station Zone that overlie former wetlands (all parcels in the zone). These areas may have been impacted by historical (prior to filling) releases or disposal of organic compounds from a nearby oil refinery. This zone target area is also present on Zone 16, and the area of concern extends into the FISC Alameda Annex. Approximately 50 soil vapor samples will be collected in Zone 16 to assess potential migration of VOCs to soil vapor in unsaturated fill. Because the potential source and likely impacts on Zone 20 are the same as those for Zone 16, the data collected in Zone 16 will also be applied to Zone 20. Should the sampling in Zone 16 indicate that sampling is required in Zone 20, such sampling may be conducted during the detailed investigation phase for this zone or as part of ongoing investigations at IR sites 7A and 13.

Subsequent (detailed evaluation phase) investigations may include the collection of Geoprobe subsurface soil samples from the affected horizon. However, Geoprobe subsurface soil sampling is not required during this phase of the investigation because soil vapor data will provide an adequate assessment of potential risks to human health, and because the general extent of the affected area has been established from prior investigations and document review.

Parcel 112 Target Areas

- Target Area 1 (GAP Site 30): Hazardous materials and wastes stored in Target Area 1 are suspect sources of releases. Drums of PCE, used oil filters, oil-based paints, gas filters, battery electrolytes, and soil samples were observed during the site inspection. One drum was unlabeled. Because staining was also noted in this area, this target area has been classified as having a potential likelihood of impacts. The compounds of concern include VOCs and TPH. The two surface and subsurface soil samples that will be collected from this target area are shown on Figure 6-Z20-1, and listed on Table 6-112-1.

Parcel 113 Target Areas

- Target Area 1 (Steam Cleaning/Degreasing Area Near the South Side of Building 459): The activities conducted in this steam cleaning and degreasing area are potential sources of release. Staining was noted and solvent use was also reported in this area. The target area covers less than 1,000 square feet and has been classified as having a potential likelihood of impacts. The compounds of concern include VOCs and TPH. Two subsurface and two surface soil samples will be collected from this target area.

- Target Area 2 (Oil/Water Separator, South Side of Building 459). The oil/water separator, which consists of a concrete vault, is a potential source of releases to the soil surrounding the separator. Automobile repair activities typically generate waste lubricating fluids, fuels, and other fluids which, if spilled in the service station area, would have been washed into floor drains connected to the oil/water separator. This target area is classified as having a potential likelihood for environmental impacts. The primary compounds of concern are metals, TPH, VOCs, and SVOCs. Two subsurface soil samples will be collected from this target area from the depth corresponding to the bottom of the separator.

Parcel 114 Target Areas

No parcel-specific target areas were identified for this parcel.

Screening-Level Investigation

Subsurface GeoProbe soil sampling (SOP 14) and surface soil sampling (SOP 3) are the screening-level techniques that will be employed to assess conditions in the parcel-specific target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

Six subsurface and four surface soil samples will be collected from the locations shown on Figure 6-Z20-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the zone areas with confirmed elevated levels of the compounds of concern identified during the screening-level investigation. This characterization may use some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil gas sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15) and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the SOPs referenced in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-112

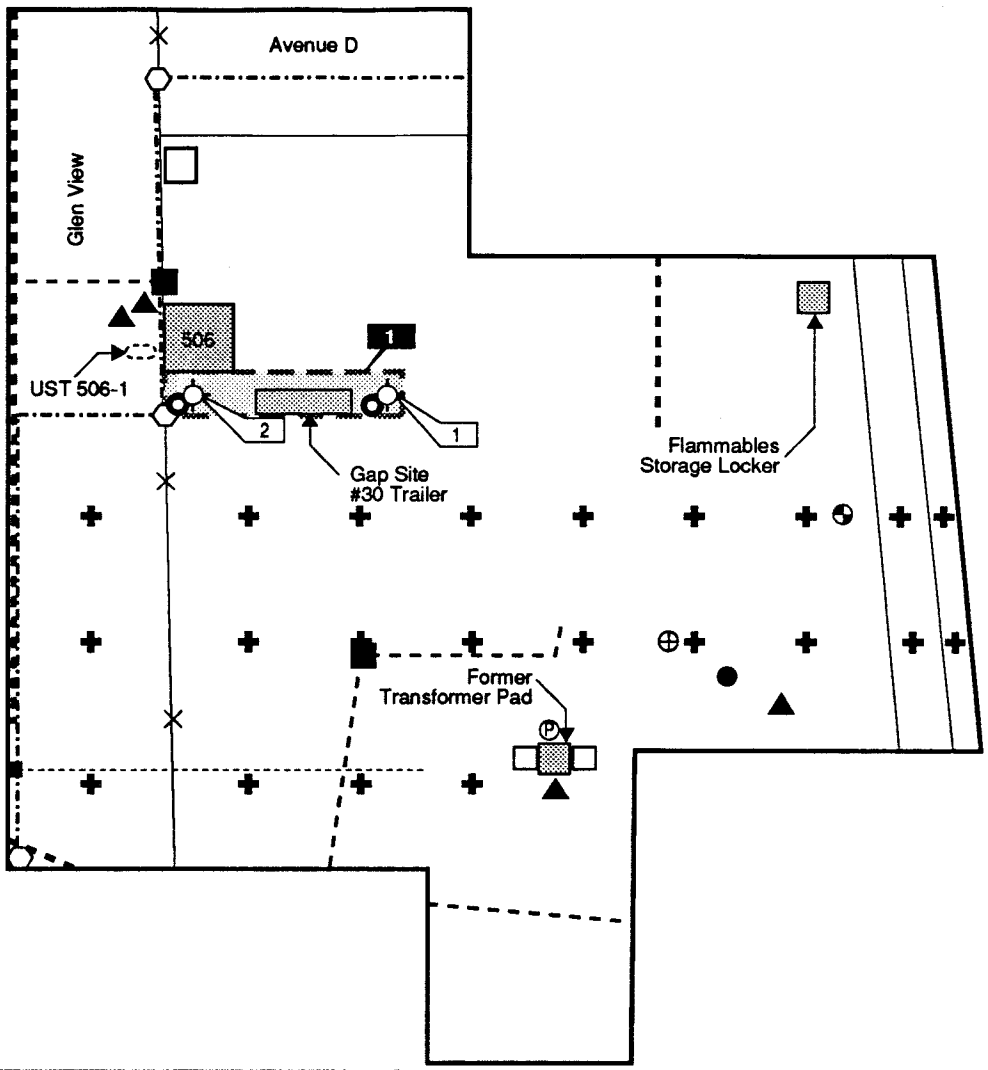
PARCEL 112 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 112 at NAS Alameda (Figure 6-112-1). The parcel, which is located in the east-central portion of the base, is approximately two acres in size and is roughly square in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. Although Parcel 112 contains no RCRA sites according to the NAS Alameda RCRA Site Summary List, Generator Accumulation Point (GAP) Site 30 was noted during the site inspection on Parcel 112. According to the NAS Alameda RCRA Site Summary list SWMU/GAP 30 is supposed to be located on Parcel 54. One parcel-specific target investigation area (target area) and one zone-wide target investigation area have been identified in this parcel. However, no zone-wide target area samples are being collected at this parcel. Surface and subsurface soil sampling is the sampling procedures called for in the screening-level investigation in the parcel-specific target areas. Table 6-112-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 112, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 112, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

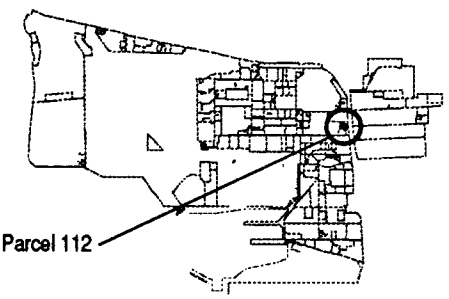


LEGEND

- Target Area
- Storm Sewer Line
- Industrial Waste Line
- Sewer Line
- Steam Line
- GeoProbe Sample Location
- Surface Soil Sample Location
- Proposed Surface Soil Sample Location (PRC/MW)
- PCB Sample Location (ERM)
- Boring Location (ERM)
- Boring Location (JMM)
- Soil Vapor Survey Location (PRC)
- Proposed Monitoring Well Location (PRC/MW)
- Monitoring Well Location (JMM)
- Sanitary Sewer Manhole
- Catch Basin
- Catch Basin

Note: *All Locations Are Approximate*

KEY



1"=60'

Figure 6-112-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/07.05.94

TABLE 6-112-1

Summary of Recommended Samples
NAS Alameda Parcel 112

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
112-1-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Solvents, Fuels	VOCs, TPH	EPA 8240, Mod. EPA 8015
112-1-0-S-S-DDMMYY	0.0'-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
112-2-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Solvents, Fuels	VOCs, TPH	EPA 8240, Mod. EPA 8015
112-2-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	Solvents, Fuels	VOCs, TPH	CLP RAS, Modified EPA 8015
112-2-0-S-S-DDMMYY	0.0'-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
112-2-0-S-V-DDMMYY*	0.0'-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015

*This is the suggested location for the confirmation sample. The actual location will depend on field analytical results.

This parcel has been grouped into a zone with Parcels 113 and 114. This parcel zone has been designated the Service Station Zone (Zone 20). The Service Station Zone encompasses the parcels that have been used as the Naval Exchange service station or support facilities for the service station. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 20.

Filling began in the area covered by this zone in approximately 1930. Prior to filling, the area within this zone was comprised predominantly of wetlands. The area within the zone boundary was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, one building and four structures cover approximately five percent of the parcel (Figure 6-112-1). The remainder (95 percent) is open space. The parcel area is presently in use as a vehicle parking area, a storage area for miscellaneous equipment, and a hazardous waste accumulation area. Four buildings were formerly located on the parcel and have been demolished. No information was available for three of the four demolished buildings. Sewer lines are present at this parcel and are shown in Figure 6-112-1.

Parcel 112 is located adjacent to Installation Restoration (IR) Program Site 7A. Previous investigations have been conducted at Parcel 112 and specific data regarding chemical occurrence are available.

A previous investigation (ERM-West, 1987) detected PCBs in soil samples collected near a former concrete transformer pad in the southern portion of Parcel 112. Concentrations ranged from 1.9 ppm at the surface to 0.02 ppm at a depth of 1.5 feet. TPH and benzene were detected in another soil boring near the pad, while only benzene was detected in a third soil sample northeast of the transformer pad.

One soil boring, one monitoring well, and approximately 22 soil vapor sampling locations have been placed in the southern portion of Parcel 112 as part of the IR Site 7A investigation (Figure 6-112-1). TPH, VOCs, SVOCs, pesticides, and metals were detected in soil samples. The soil concentrations of beryllium, carbon disulfide, 4,4'-DDE, 4,4'-DDT, naphthalene, and indeno(1,2,3-CD)pyrene, exceeded unrestricted and industrial use PRGs. No chlorinated or vapor phase hydrocarbons were detected at any of the 22 soil vapor sampling locations in Parcel 112. The IR contractor has have proposed additional surface soil samples near the transformer pad and an additional monitoring well in the southeast corner of the parcel.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within each building and the open space are described in detail below.

Building 506

Building 506 was constructed in 1966 and is used for maintenance and storage of miscellaneous equipment (Figure 6-112-1). This metal and wood frame, one-story building has a concrete floor and metal exterior, and covers approximately 460 square feet. Building 506 was formerly an auto hobby shop.

Utilities located within and immediately surrounding Building 506 include underground storm sewer, electrical, and industrial sewer lines. A sink drain in Building 506 is reportedly connected to an underground storage tank immediately west of the building.

Currently, acetylene cylinders, less than 40 gallons of oil, lawn maintenance equipment, safes, and other miscellaneous equipment are stored in Building 506. Drums stored south of Building 506 are labeled as nonhazardous. Several unlabeled drums are also present. There have not been any documented spills or staining at this building.

Building 337 (Demolished)

Building 337 served as a hazardous/flammable materials storage building. This 840-square-foot building was demolished prior to 1981. The exact location of this building within Parcel 112 is not known. No documented spills occurred at former Building 337.

Open Space

Approximately 95 percent of Parcel 112 is open space. In general, the open space is used for vehicle parking, storage of miscellaneous equipment, and a hazardous waste accumulation point. Approximately 50 percent of the open space is paved with asphalt in good condition, 20 percent paved is with concrete in fair condition, and 30 percent is bare soil and grass. The middle portion of the open space is a vacant dirt lot with a concrete transformer pad (no transformer is present).

Structures located within the open space include a metal flammable materials storage locker, a metal storage trailer at GAP Site 30, and two metal CONEX containers (Figure 6-112-1). Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, water, fuel, industrial sewer, and overhead electrical lines. Three pole-mounted transformers are located near the southern edge of Parcel 112.

A hazardous waste accumulation area (GAP Site 30) was noted southeast of Building 506 during the site inspection. This GAP site is reported on the NAS Alameda RCRA Site Summary List as being located on Parcel 54. Drums of PCE, used oil filters, oil-based paints, fuel filters, battery electrolytes, and soil samples are stored in this area. One drum was not labeled. Staining on the asphalt in this area appears to be the result of oil and other fluid spillage. This stained area is addressed as Target Area 1. A white metal trailer in the drum storage area appeared to be used for hazardous waste and hazardous materials storage (Figure 6-112-1). No chemicals were noted inside the trailer during the site inspection.

A 1,000-gallon waste oil underground storage tank, associated with the former auto hobby shop that was located in Building 506, is located immediately west of Building 506.

A flammable materials storage locker in the northeastern portion of Parcel 112 stores approximately 400 gallons of paint, petroleum products, plastic roof cement, engine starting fluid, and floor sealant. Two CONEX containers located east of GAP Site 30 store paper materials. The concrete-paved northwestern portion of Parcel 112 is used to store tires, air conditioners, restaurant equipment, compressors, appliances, and other miscellaneous equipment. No staining was noted in this area.

Review of historic aerial photographs indicates that four buildings were once located in Parcel 112. All four buildings were demolished prior to 1981. The exact use, construction date, and demolition date of each building are unknown. Aerial photographs indicate that one of the demolished buildings formerly occupied the bare soil open space in the southern half of Parcel 112.

During the site inspection, a dark resin-like material was observed near the base of an electrical utility pole along the southern edge of the parcel. The impacted area covers approximately three square feet.

Underground Storage Tanks

One inactive underground storage tank is present at Parcel 112 (Tank 506-1). Tank 506-1 was installed at an unknown date and is located west of Building 506 (Figure 6-112-1). Tank 506-1 was used to store waste oil from the auto hobby shop in Building 506, and has a capacity of 1,000 gallons. The presence of this tank was identified from the EBS. This tank is scheduled to be removed. The available information did not identify why the tank was abandoned. However, based on general comments made by NAS Alameda personnel, a tank was most commonly abandoned because it was leaking.

Sampling of the tank's contents during a previous investigation (ERM-West, 1988) detected the following compounds: 1,2-dichloroethane, 1,1,1-trichloroethane, TPH as gasoline and diesel, oil and grease, benzene, ethylbenzene, toluene, xylenes, and lead. Two soil borings, one each on the north and west sides of the tank, detected the following maximum concentrations approximately five feet below ground surface: TPH-Diesel (1,100 ppm), oil and grease (1.1%), ethylbenzene (0.03 ppm), toluene (0.15 ppm), and xylenes (0.19 ppm). Semivolatile organic compounds and halogenated volatile organic compounds were not detected in the soil.

This tank has been identified as a RCRA tank based on its former contents and inclusion in the RFI. This tank has been designated SWMU Site No. UST-16.

Parcel Boundary Conditions

Parcel 112 is bounded by Parcels 102, 103, 113, 114, 208 and Main Street. Parcel 113 is IR Program site 7A. Activities of concern on Parcel 113 include automobile repair and fueling. Staining on the pavement in Parcel 113 indicates that spills may have impacted the southern edge of Parcel 112. Of the four underground storage tanks located near the northern edge of Parcel 114, at least one has leaked an unknown quantity of fuel. UST investigations are in progress at Parcels 113 and 114.

No sampling is called for in this PEP in response to the adjacent IR site. If the continuing investigations at the IR site reveals a cause for concern at Parcel 112, then additional sampling on Parcel 112 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes two RCRA sites (site numbers UST-16 and GAP 30). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, both of the RCRA sites at this zone require further investigation. GAP 30 has been designated as a parcel-specific target area. The tank is scheduled to be removed, and any necessary investigation will be implemented as part of the UST program.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 112, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-112-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines is also addressed separately. Sampling associated with USTs, and sewer lines is discussed in corresponding protocols presented in Section 3 of the Shell Workplan.

No Industrial Hygiene (IH) sampling is required for Parcel 112 because no industrial buildings are present.

As noted earlier, Parcel 112 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 112.

Once the data gaps in Table 6-112-2 are addressed and screening-level sampling results from the target areas described below are compared to

TABLE 6-112-2

Summary of Data Gaps
NAS Alameda Parcel 112

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 112.
Installation Restoration (IR) Sites	• Parcel 112 is located adjacent to Installation Restoration (IR) Program Site 7A (Service Station). Additional subsurface investigation relative to IR Site 7A is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• Filled Wetlands.
Potential Parcel-Specific Release Areas	• Target Area 1 (GAP Site 30)
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-112-2

Summary of Data Gaps
NAS Alameda Parcel 112

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• One inactive UST is present at this parcel (Tank 506-1). Tank 506-1 was installed at an unknown date and is located west of Building 506 (Figure 6-112-1). Tank 506-1 was used to store waste oil from the auto hobby shop in Building 506, and has a capacity of 1,000 gallons. This tank is scheduled to be removed. It was classified as a RCRA tank.
Underground Utilities	• Sanitary sewer, storm sewer, water, and industrial sewer lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

the appropriate screening levels, Parcel 112 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target area and is also contained in a zone with a zone-wide target area.

This subsection of the PEP discusses the specific parcel target area and provides an overview of the zone-wide target area. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 20. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (GAP Site 30): Hazardous materials and wastes stored in Target Area 1 are suspect sources of release. Drums of PCE, used oil filters, oil-based paints, gasoline filters, battery electrolytes, and soil samples were observed during the site inspection. One drum is not labeled. Because staining was also noted in this area, this target area has been classified as having a potential likelihood of impacts. Compounds of concern include VOCs and TPH. Two subsurface soil samples and two surface soil samples will be collected from this target area, are shown on Figure 6-112-1, and are listed on Table 6-112-1.

- Zone 20 Target Area 1 (Filled Wetlands): Zone 20 Target Area 1 includes all parcel areas in the Service Station Zone that overlie former wetlands (all parcels in the zone). These areas may have been impacted by historical (prior to filling) releases or disposal of organic compounds from a nearby oil refinery. This zone target area is also present on Zone 16, and the area of concern extends into the FISC Alameda Annex. Approximately 50 soil vapor samples will be collected in Zone 16 to assess potential migration of VOCs to soil vapor in unsaturated fill. Because the potential source and likely impacts on Zone 20 are the same as those for Zone 16, the data collected in Zone 16 will also be applied to Zone 20. Should the sampling in Zone 16 indicate that sampling is required in Zone 20, sampling may be conducted during the detailed investigation phase for this zone, or as part of the ongoing investigations at IR sites 7A and 13.

In addition, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological issues, impacts of the nearby IR site, and USTs must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Screening-Level Investigation

Subsurface GeoProbe soil sampling (SOP 14) and surface soil sampling (SOP 3) are the screening-level techniques that will be employed to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-112-1 summarizes screening-level sampling and analysis for the target area on this parcel. The sample locations are shown on Figure 6-112-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-113

PARCEL 113 EVALUATION PLAN

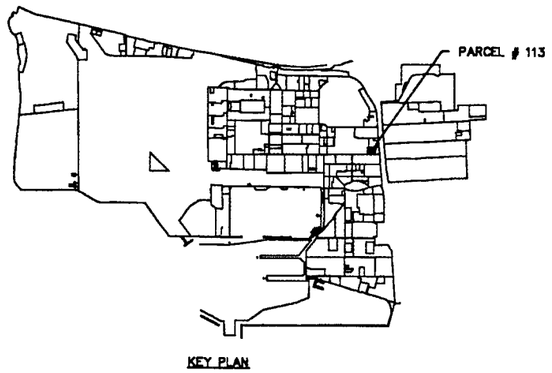
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 113 at NAS Alameda (Figure 6-113-1). The parcel, which is located in the east-central portion of the base, is approximately one acre in size and is roughly square in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA site. Two parcel-specific target investigation areas (target areas) and one zone-wide target investigation area have been identified on this parcel. However, no zone-wide target area samples are being collected from this parcel. Sampling procedures called for in the screening-level investigation in the parcel-specific areas include subsurface GeoProbe sampling. Table 6-113-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 113, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 113, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 112 and 114. This parcel zone has been designated the Service Station Zone (Zone 20). The Service Station Zone encompasses the parcels that have been used as the Naval Exchange service station or support facilities. During the sampling program development, the parcels located in this zone were



KEY PLAN

GENERAL LEGEND

- PARCEL OUTLINE
- SOIL VAPOR SAMPLE LOCATION
- GEOPROBE SAMPLE LOCATION
- SURFACE SOIL SAMPLE LOCATION
- PREVIOUS BORING LOCATION (ERM)
- PREVIOUS SOIL VAPOR SAMPLE LOCATION (PRC)
- PREVIOUS MONITORING WELL LOCATION (JMM)
- PROPOSED BORING LOCATION (PRC/MW)
- PROPOSED CPT/HYDROPUNCH (PRC/MW)
- TARGET AREA AND NUMBER

SANITARY SEWER LINE LEGEND

- SANITARY SEWER MANHOLE
- —SW— SANITARY SEWER LINE

MATERIALS:

C.I. – CAST IRON

NOTES:

1. ALL SANITARY SEWERS ARE VITRIFIED CLAY PIPE UNLESS NOTED OTHERWISE.

STEAM LINE LEGEND

—//—ST— STEAM LINE

INDUSTRIAL WASTE LINE LEGEND

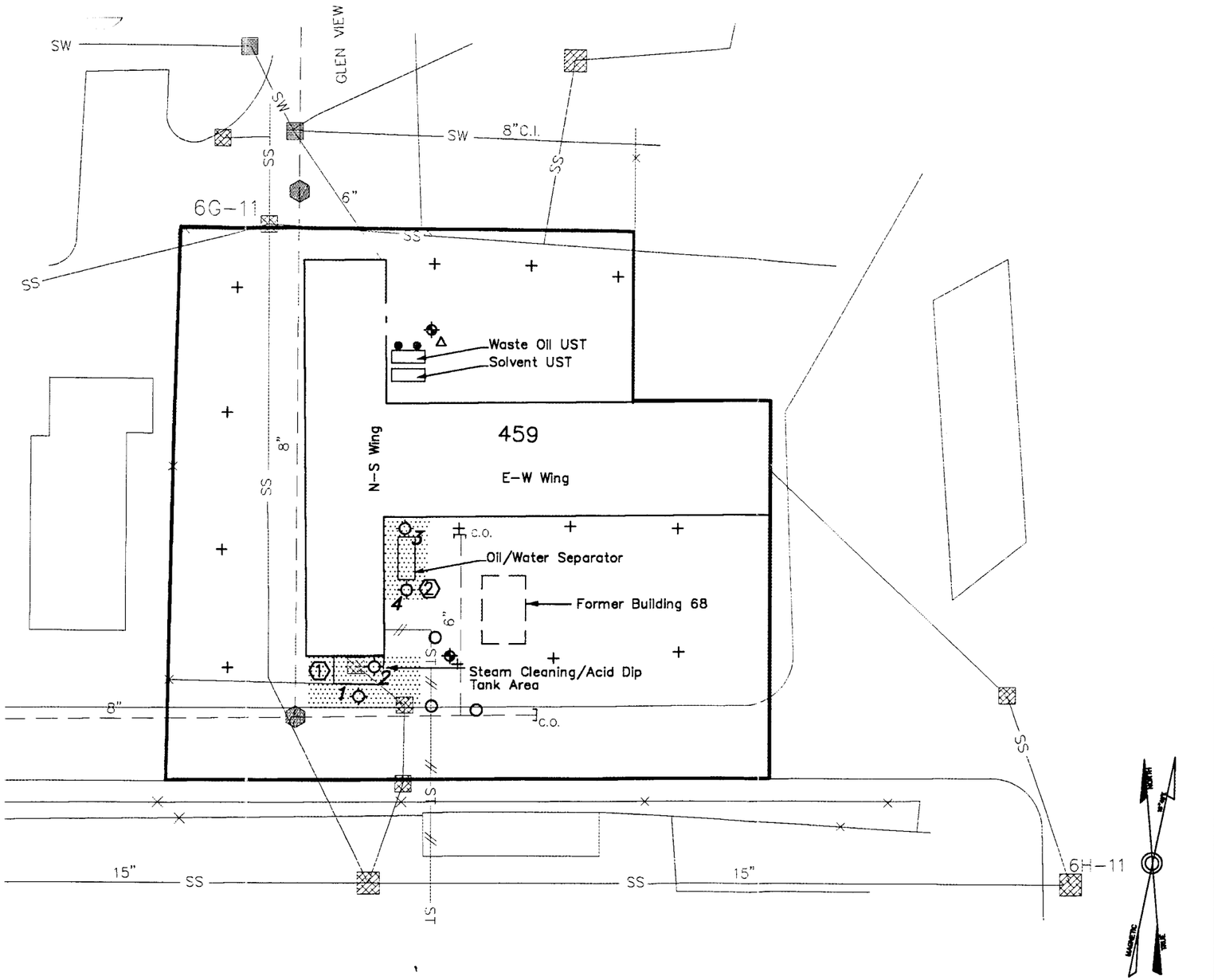
- INDUSTRIAL WASTE MANHOLE
- — — — INDUSTRIAL WASTE LINE

STORM DRAIN LEGEND

6G-11 MANHOLE

CATCH BASIN

—SS— STORM SEWER LINE



SCALE IN FEET

50 0 50 100 150

1" = 50'

NAVAL AIR STATION, ALAMEDA

FIGURE 6-113-1
PARCEL 113
PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO.	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS:
19590113.DWG	PWC 17,598 (STORM DRAINS) PWC 10C728 (SANITARY SEWER) PWC 23,947 (INDUSTRIAL WASTES)
SCALE AS NOTED	DATE: 8.10.95/2121.97.10 — SHEET 1 OF 1

TABLE 6-113-1

Summary of Recommended Samples
NAS Alameda Parcel 113

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
113-1-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Fuels, Solvents	TPH, VOCs	Modified EPA 8015, EPA 8240
113-1-0-S-S-DDMMYY	0.0'-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
113-2-4-S-S-DDMMYY	4.0'	GeoProbe	Soil	Target Area 1	Fuels	TPH	Modified EPA 8015
113-2-4-S-V-DDMMYY*	4.0'	GeoProbe	Soil	Target Area 1	Solvents	VOCs, TPH	
113-2-0-S-S-DDMMYY	0.0'-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
113-2-0-S-V-DDMMYY*	0.0'-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Modified EPA 8015
113-3-4-S-S-DDMMYY	4.0'**	GeoProbe	Soil	Target Area 2	Paint, Waste Oil, Solvents	Metals, SVOCs, VOCs, TPH	ICAP Scan, EPA 8270, Mod. EPA 8015, EPA 8240
113-3-4-S-V-DDMMYY*	4.0'**	GeoProbe	Soil	Target Area 2	Paint, Waste Oil, Solvents	TPH, Metals, SVOCs, VOCs	Modified EPA 8015, CLP RAS
113-4-4-S-S-DDMMYY	4.0'**	GeoProbe	Soil	Target Area 2	Paint, Waste Oil, Solvents	Metals, SVOCs, TPH, VOCs	ICAP Scan, EPA 8270, Mod. EPA 8015, EPA 8240

*These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.
** These samples will be collected from the depth corresponding to the bottom of the separator

evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 20.

Filling began in the area covered by this zone in approximately 1930. Prior to filling, the area within this zone was comprised predominantly of wetlands. The area within the zone boundary was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 459) covers approximately 25 percent of the parcel. The remainder (75 percent) is open space. The parcel area is presently in use as a parking area for the automobile repair shop and the automobile parts store located in Building 459. Two buildings were formerly located on the parcel and have since been demolished. Storm, sanitary, and industrial sewer lines are present at this parcel and are shown in Figure 6-113-1.

IR Site 7A is located within Parcel 113. Previous subsurface investigations have been conducted at Parcel 113, and specific data regarding chemical occurrence are available.

Groundwater monitoring and soil vapor surveys have been conducted in Parcel 113 as part of the IR Program site 7A investigation. One groundwater monitoring well is located north of Building 459, while the other monitoring well is located south of Building 459. The groundwater was analyzed for VOCs, SVOCs, pesticides, PCBs, TPH, and metals. The soil samples were analyzed for VOCs, pesticides/herbicides, TPH, and SVOCs. The concentrations of ethylbenzene and arsenic in soil exceeded unrestricted and industrial use PRGs in Boring BO7A-07-001. Manganese concentrations exceeded its unrestricted use PRGs. No chlorinated hydrocarbons or aromatic compounds were detected in the approximately 13 soil vapor locations shown on Figure 6-113-1.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 459

Building 459 was constructed in 1962 and has served as an automobile service station since approximately 1966. A repair shop is located in the North-South (N-S) wing and an automobile parts store and storage area are located in the East-West (E-W) wing (Figure 6-113-1). The automotive repair shop was formerly located in the eastern end of the E-W wing. This one-story building has a concrete floor and a metal frame and roof, and covers approximately 11,500 square feet.

Utilities located within and immediately surrounding Building 459 include underground sanitary sewer, storm sewer, steam, electrical, water, and industrial sewer lines, and overhead electrical lines. Air permits for service station gasoline nozzles and a dry cleaner were issued for this building. The building use between 1962 and 1966 is unknown.

Information collected during the EBS indicates that activities conducted within this building included automobile repair and parts/accessories storage. Automobile repair processes, which typically involve lubricating fluids, solvents, fuels, asbestos, and metals (lead), were primarily conducted in the N-S wing and the eastern end of the E-W wing of Building 459. Steam pipes that may be insulated with asbestos-containing lagging were noted within Building 459.

Approximately 75 gallons of gasoline, lubricating oils, and degreasers are stored in Building 459. Used oil filters, gas filters, oily rags, antifreeze, asbestos brake pads, and lead wheel weights are placed in drums and disposed of off-site. Used car batteries are stored in a metal CONEX container on the southern side of Building 459 (N-S wing). Battery disposal practices are unknown. Floor drains in the garage area (N-S wing) appear to drain to an oil/water separator on the southern side of Building 459 (Figure 6-113-1).

Scattered staining exists throughout the N-S wing (automobile repair area). The staining appears to have involved accumulated minor quantities of oily liquids. A small spill involving less than five gallons of motor oil occurred in 1994. According to site inspection data, spills are wiped up with paper towels, which are then thrown in the garbage. Because the staining in this area is relatively minor, and is on a concrete floor, no sampling is proposed at this time.

Although EBS information indicates that a permit for dry cleaning was issued for Building 459, no evidence of a dry cleaning operation was documented during the site inspection. Additional interviews and document review are recommended to obtain information about operations within Building 459 and former Building 158, which reportedly served as a laundry facility.

No other incidents, such as fires, mishaps, or flooding are documented to have occurred within Building 459.

Building 68 (Demolished)

A former Building 68 was previously located on Parcel 139. Former Building 68 was constructed in 1942 and demolished 19 years later in 1961. This demolished building was approximately 2,400 square feet in area and was originally constructed to house an incinerator and smoke stack base, and to store fire department equipment.

Building 158 (Demolished)

Building 158 was constructed in 1945 and served as a craft/hobby shop and laundry facility (Figure 6-114-1). This wood frame building was partially located on both Parcels 113 and 114, covered approximately 19,400 square feet, and has since been demolished. No permits appear to have been issued for this building. No chemicals are documented to have been stored in Building 158. There have not been any documented spills or staining at Building 158. No other incidents, such as fires, mishaps, or flooding are documented to have occurred at Building 158.

Open Space

Open space covers approximately 75 percent of Parcel 113. The open space has been used primarily for vehicle parking; however, portions of the open space have been used for hazardous waste accumulation and steam cleaning/degreasing activities. The open space is 95 percent paved with asphalt and five percent paved with concrete. The pavement is in moderately good condition. One building (Building 158) was formerly located in the open space and has been demolished.

Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, steam, water, industrial sewer and overhead electrical lines. Three pole-mounted transformers are also present. Two abandoned underground storage tanks are located on the northern side of Building 459 (Figure 6-113-1).

An acid dip tank on the southern side of the service station garage is no longer in use and is heavily corroded. The area near the acid dip tank was used for steam cleaning engine parts and miscellaneous equipment. The drain located in the steam cleaning/dip tank area is stained. This area is addressed by Target Area 1.

A hazardous waste accumulation area is located on the north side of Building 459. Site inspection data indicate that wastes from Building 459 are accumulated in this area and disposed of off-site. No staining was noted by site inspectors in this area. An oil/water separator located on the southern side of Building 459, where the N-S and E-W wings meet, appears to be connected to floor drains in the garage area. Potential impacts to the soil surrounding the oil/water separator are addressed by Target Area 2.

Oil stains are located on the concrete foundation at the wall/foundation interface of the N-S wing; the stains appear to be the result of washdown activities within the garage. Numerous oil stains exist on the asphalt around Building 459. Scattered stains on the southern side of Building 459 appear to be the result of typical automobile engine leakage and accumulated minor vehicle repair/maintenance activities (e.g., oil and transmission fluids replacement) performed by customers of the auto parts store. These areas have been previously investigated as noted above.

Although no chemicals are documented to have been stored or used in the open space, site inspection data indicate that solvents and corrosives were likely used in the in the steam cleaning/acid dip tank area near the south side of Building 459. Unknown types and quantities of chemicals were present in the hazardous waste accumulation area.

No other incidents, such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

Two abandoned underground storage tanks are located on the northern side of Building 459 (Figure 6-113-1) on Parcel 113. One underground tank (459-8) was used to store unknown types of solvents. The other underground tank (UST 459-7, SWMU/GAP 16) was used to store waste oil and is located immediately north of the solvent tank. Both tanks have 500 gallon capacities, were scheduled for closure in 1987, and are no longer in use. The waste oil tank, which has not been used since failing a tightness test in 1991, was reported to be leaking in 1992. A previous subsurface investigation (ERM-West, 1987) near both tanks detected total petroleum hydrocarbons and benzene in soil at maximum concentrations of 78 ppm and 1.2 ppm, respectively (Figure 6-113-1). The waste oil tank has been identified as a RCRA tank based on its former contents. These tanks are scheduled to be removed.

Parcel Boundary Conditions

Parcel 113 is bounded by Parcels 103, 112, 114, and 197. Activities of concern on these adjacent parcels include fuel storage and dispensing on parcels 112 and 114, and material storage on Parcel 197.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes one RCRA site (SWMU/GAP Site 16). This sites was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, the tank requires further investigation. This tank will be addressed as part of the UST program.

SWMU/GAP Site 16, located near the north side of Building 459, is a waste oil storage tank. It is unknown whether any chemicals were released from this site. The chemicals of concern associated with this site include metals and TPH. This tank is inactive and scheduled to be removed, and will be investigated as part of the UST program. This tank was identified as a RCRA tank based on its past use and contents. A description of the tank is provided in the Underground Storage Tank subsection above.

Tank 459-8, located on the north side of Building 459, was used to store solvents. It was installed in 1964 and is currently inactive. It has a 500 gallon capacity. It is scheduled to be removed.

Parcel Reclassification and Data Gaps Summary

The data collected for this parcel indicate that there are no remaining data gaps that are likely to impact the BRAC Classification for this parcel.[1] The available information suggests that this parcel may tentatively be reclassified from BRAC Category 7 to BRAC Category 6.

Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue

[1] This reclassification assumes that the RASO review does not identify any releases that have impacted this parcel.

TABLE 6-113-2

Summary of Data Gaps
NAS Alameda Parcel 113

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 113
Installation Restoration (IR) Sites	• IR Site 7A (Service Station) is located on Parcel 113. Additional subsurface investigation relative to IR Site 7A is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Potential impacts from fuel storage in USTs at Parcel 114.
Potential Zone-Wide Release Areas	• Filled Wetlands.
Potential Parcel-Specific Release Areas	• Target Area 1 (Steam Cleaning/Degreasing Area, South Side of Building 459). • Target Area 2 (Oil/Water Separator, South Side of Building 459).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-113-2

Summary of Data Gaps
NAS Alameda Parcel 113

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• Two abandoned USTs are located on the northern side of Building 459. One UST (459-8) was used to store solvents; the other tank (UST 459-7, SWMU/GAP 16) was used to store waste oil. Both were scheduled for closure in 1987, and are no longer in use.
Underground Utilities	• Sanitary sewer, storm sewer, water, and industrial sewer lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-113-2 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, underground storage tanks, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with USTs and sewers is discussed in corresponding protocols presented in Section 3 of the Shell Workplan.

No Industrial Hygiene (IH) sampling is required at this parcel because no industrial buildings are present.

Once the data gaps in Table 6-113-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 113 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

This parcel contains two parcel-specific target areas and is also contained in a zone with a zone-wide target area. This subsection of the PEP discusses the specific parcel target area and provides an overview of the zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 20. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following two parcel-specific target areas were identified based on the potential release areas described above and listed in Table 6-113-2.

- Target Area 1 (Steam Cleaning/Degreasing Area Near the South Side of Building 459): The activities conducted in this steam cleaning and degreasing area are potential sources of release. Staining was noted in this area. Solvent use was also reported in this area The target area covers less than 1,000 square feet and has been classified as having a potential likelihood of impacts. Compounds of concern include VOCs and TPH. Two surface and two subsurface soil samples will be collected from this target area.

- Target Area 2 (Oil/Water Separator, South Side of Building 459). The oil/water separator, which consists of a concrete vault, is a potential migration pathway to the soil surrounding the separator. Automobile repair activities typically generate waste lubricating fluids, fuels, and other fluids which, if spilled in the service station area, would have been washed into floor drains that are connected to the oil/water separator. This target area is classified as having a potential likelihood for environmental impacts. Metals, TPH, VOCs and SVOCs are the primary compounds of concern. Two subsurface soil samples will be collected from this target area from the depth corresponding to the bottom of the separator.

- Zone 20 Target Area 1 (Filled Wetlands): Zone 20 Target Area 1 includes all parcel areas in the Service Station Zone that overlie former wetlands (all parcels in the zone). These areas may have been impacted by historical (prior to filling) releases or disposal of organic compounds from a nearby oil refinery. This zone target area is also present on Zone 16, and the area of concern extends into the FISC Alameda Annex. Approximately 50 soil vapor samples will be collected in Zone 16 to assess potential migration of VOCs to soil vapor in unsaturated fill. Because the potential source and likely impacts on Zone 20 are the same as those for Zone 16, the data collected in Zone 16 will also be applied to Zone 20. Should the sampling in Zone 16 indicate that sampling is required in Zone 20, sampling may be conducted during the detailed investigation phase for this zone, or as part of the on-going investigations at IR sites 7A and 13.

  Subsequent (detailed evaluation phase) investigations may include the collection of GeoProbe subsurface soil samples from the affected horizon. GeoProbe subsurface soil sampling is not required during this phase of the investigation because soil vapor data will provide an adequate assessment of potential risks to human health, and because the general extent of the affected area has been established from prior investigations and document review.

Screening-Level Investigation

Subsurface soil sampling (SOP 14) and surface soil sampling (SOP 3) are the screening-level techniques that will be employed to assess conditions in target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Four subsurface soil samples and two surface soil samples will be collected from the target areas on Parcel 113. Table 6-113-1 summarizes screening-level sampling and analysis for the target areas on Parcel 113. The sample locations are

shown on Figure 6-113-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15) and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-114

PARCEL 114 EVALUATION PLAN

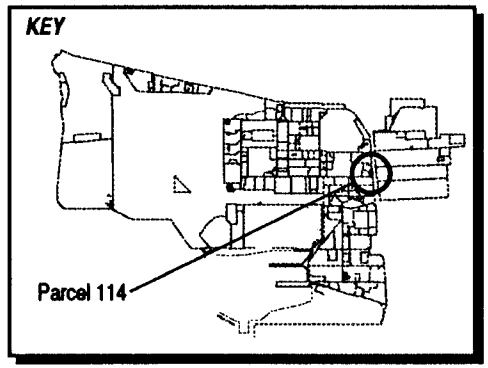
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 114 at NAS Alameda (Figure 6-114-1). The parcel, which is located in the east-central portion of the base, is 0.6 acres in size and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific target investigation areas (target areas) and one zone-wide target investigation area have been identified on this parcel. No zone-wide target area samples have been proposed for this parcel. A subsurface investigation is currently being conducted by PRC and Montgomery Watson as part of the Installation Restoration (IR) Program. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment requirements. To provide a basis for the proposed investigation of Parcel 114, historical activities are discussed below.

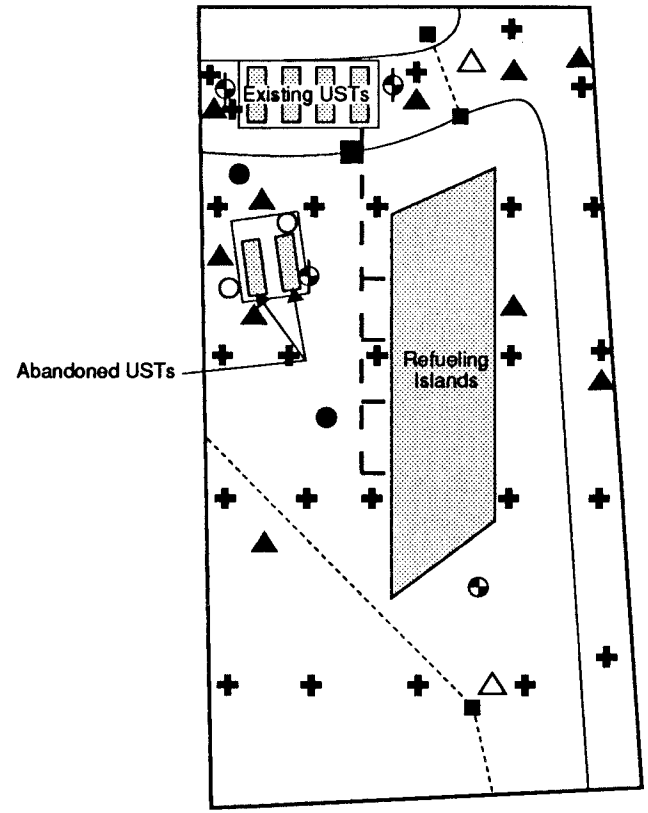
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 114, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 112 and 113. This parcel zone has been designated the Service Station Zone (Zone 20). The Service Station Zone encompasses the parcels that have been used as the Naval Exchange service station or support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel





LEGEND

- Fuel Lines in Use
- Sewer Line
- Boring Location (ERM)
- Monitoring Well Location (JMM)
- Monitoring Well Location (ERM)
- Soil Vapor Survey Location (PRC)
- Boring Location (JMM)
- Proposed Boring Location (PRC, MW)
- Proposed CPT/Hydropunch Location (PRC, MW)
- Sanitary Sewer Manhole
- Catch Basin

Note: *No Parcel-Specific Sampling Is Required For This Parcel*

1"= 60'

Figure 6-114-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.10/DS/07.13.94

should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 20.

Filling began in the area covered by this zone in approximately 1930. Prior to filling, the area within this zone was comprised predominantly of wetlands. The area within the zone boundary was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, one building and one structure cover approximately five percent of the parcel. The remainder (95 percent) is open space. The parcel area is presently in use as a gasoline fueling and vehicle parking area. Two buildings were formerly located on the parcel and have since been demolished. Fuel and sewer lines present at this parcel are shown in Figure 6-114-1.

Parcel 114 is part of IR Site 7A. Subsurface investigations have been conducted at Parcel 114, and specific data regarding chemical occurrence are available. Sampling locations from previous investigations are shown in Figure 6-114-1.

Six underground storage tanks are located at this parcel. One pair, located west of the refueling islands is abandoned. The other USTs are situated in a cluster of four located in the northwest corner of the parcel; of these four the western most tank is abandoned. A previous investigation was conducted by ERM-West to characterize the soil and groundwater impacts associated with the active and abandoned underground storage tanks. The following compounds were detected in soil samples collected near the tank clusters (maximum concentrations): total petroleum hydrocarbons (14,000 ppm), benzene (54 ppm), toluene (650 ppm), and xylenes (1,200 ppm). Benzene, toluene, and xylenes were also detected in groundwater at maximum concentrations of 31,000 µg/l, 22,000 µg/l, and 12,000 µg/l, respectively. Free product was visible in borings near the two abandoned underground storage tanks. According to the investigation, the contamination extends east from the tanks in the direction of groundwater flow.

Soil vapor, subsurface soil, surface soil, and groundwater samples have been collected from Parcel 114 as part of the IR Site 7A subsurface investigation (Figure 6-114-1). The soil vapor survey detected vapor phase hydrocarbons (BTEX) primarily near the southern-most pair of abandoned USTs, the active USTs, and the refueling islands. Immediately west of the refueling islands, near the pair of abandoned tanks, the soil vapor survey detected benzene at a maximum concentration of 250 µg/l. A monitoring well immediately west of the active underground storage tanks detected elevated concentrations of

TPH, benzene, toluene, and xylenes in soil. TPH and/or benzene, toluene, and xylenes were present in soil samples from every boring in Parcel 114. Concentrations of beryllium and the pesticide 4,4'-DDD in a soil boring located in the southeastern portion of the parcel exceeded unrestricted and industrial use PRGs. According to PRC, the extent of the soil hydrocarbon contamination has not been fully defined in the eastern or northern direction. Further sampling has been proposed in Parcel 114 as part of the IR Site 7A investigation (Figure 6-114-1).

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within the parcel open space and buildings are described in detail below.

Building 158 (Demolished)

Building 158 was constructed in 1945 and served as a craft/hobby shop and laundry facility (Figure 6-114-1). This wood frame building was partially located on both Parcels 113 and 114, covered approximately 19,400 square feet, and has since been demolished. No permits appear to have been issued for this building. No chemicals are documented to have been stored in Building 158. There have not been any documented spills or staining at Building 158. No other incidents, such as fires, mishaps, or flooding are documented to have occurred at Building 158.

Building 284 (Demolished)

Building 284 was constructed in 1945 and served as a bus station (Figure 6-114-1). This 50-square-foot building was demolished in 1953. No chemicals are documented to have been stored or used in Building 284. There have not been any documented spills or staining at Building 284. No other incidents such as fires, mishaps, or flooding are documented to have occurred at Building 284.

Open Space

Open space covers approximately 95 percent of Parcel 114 and is used for vehicle parking and fueling. The ground surface, which is 60 percent paved with asphalt and 40 percent paved with concrete, is generally in good condition. Utilities located within the open space include underground sanitary sewer, storm sewer, water, electrical, fuel, and

industrial sewer lines, and overhead electrical lines. EBS information indicates that this open space has been used primarily as a vehicle fueling and parking area.

A steel frame shelter, which covers the fueling islands, and a 20-square-foot, prefabricated metal building, which is used as a cashier's booth, are located within the open space. No chemicals are documented to have been stored or used in this building.

Although there have not been any documented spills in the open space, stains observed during the site inspection indicate that spills may have occurred around each of the four gasoline dispensing islands. The stains in these areas appear to consist of relatively minor quantities of gasoline. Oil stains (i.e., vehicle parking stains) are scattered throughout the paved asphalt area in the western portion of the parcel. These stains are not addressed by this PEP. No other incidents, such as fires, mishaps, or flooding, are documented to have occurred within the open space.

Underground Storage Tanks

Six underground gasoline storage tanks associated with Building 459 (IR Site 7A) are located in Parcel 114. Underground storage tanks 459-5 and 459-6, located west of the refueling islands, have capacities of 10,000 and 8,000 gallons, respectively, and have been abandoned in place (cemented over) due to leakage. These steel tanks formerly stored leaded gasoline and are currently scheduled to be removed.

The four underground storage tanks (Tanks 459-1, 459-2, 459-3, and 459-4) located northwest of the refueling islands were installed in 1964. These stainless steel tanks currently contain unleaded gasoline, and have a capacity of 10,000 gallons each. Three of the tanks are active and in use, having passed the 1993 tank and piping tightness test. The fourth tank is currently inactive and scheduled for removal. In 1982, fuel lines between the underground storage tanks and the refueling islands were reported to be leaking. During the removal and replacement of the leaking lines, a visible oil sheen and apparent soil contamination were noted.

Parcel Boundary Conditions

Parcel 114 is bounded by Parcels 112, 113, 197 and 900. Activities of concern in Parcel 113, which is also part of IR Site 7A, include automobile repair and fueling, and fuel storage.

No sampling is called for in this PEP in response to the IR site. If the continuing investigations at the IR site reveals a cause for concern at Parcel 114, then additional sampling on Parcel 114 may be appropriate.

RCRA Sites

This parcel contains no RCRA sites.

Parcel Reclassification and Data Gaps Summary

The data collected for this parcel indicate that there are no remaining data gaps that are likely to impact the BRAC Classification for this parcel.[1] The available information suggests that this parcel may tentatively be reclassified from BRAC Category 7 to BRAC Category 6.

Although this parcel was reclassified based on its status as part of an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-114-1 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: underground storage tanks, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewers is discussed in corresponding protocols presented in Section 3 of the Shell Workplan. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 114 because no industrial buildings are present. Once the data gaps in Table 6-114-1 are addressed, Parcel 114 may be leased or transferred, as appropriate.

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1 This reclassification assumes that the RASO review does not identify any releases that have impacted this parcel.

TABLE 6-114-1

Summary of Data Gaps
NAS Alameda Parcel 114

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 114.
Installation Restoration (IR) Sites	• IR Site 7A is partially located on Parcel 114. Additional subsurface investigation relative to IR Site 7A is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• No PCB issues identified.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR site parcels identified.
Potential Zone-Wide Release Areas	• Filled Wetlands.
Potential Parcel-Specific Release Areas	• No potential non-IR release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-114-1

Summary of Data Gaps
NAS Alameda Parcel 114

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• Six underground gasoline USTs associated with Building 459 (IR Site 7A) are located in Parcel 114. USTs 459-5 and 459-6, located west of the refueling islands, have capacities of 10,000 and 8,000 gallons, respectively, and have been abandoned in place (cemented over) due to leakage. These steel tanks formerly stored leaded gasoline and are currently scheduled to be removed. Four underground storage tanks (Tanks 459-1, 459-2, 459-3, and 459-4) are located northwest of the fueling islands and were installed in 1964. These stainless steel tanks currently contain unleaded gasoline, and have a capacity of 10,000 gallons, each. Three of the tanks are active and in use, having passed the 1993 tank and piping tightness test. The fourth tank is currently inactive and scheduled for removal.
Underground Utilities	• Sanitary sewer, storm sewer, water, electrical, and industrial sewer lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• Fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

Although potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. One zone-wide target area was identified for Parcel 114. The zone-wide target area consists of the Filled Wetlands. However, the samples proposed for the zone-wide target area are located on adjacent parcels; no sampling has been proposed for this parcel. The zone-wide target area is described in detail in the Zone Analysis Plan for Zone 20.

- Zone 21 Target Area 1 (Filled Wetlands): Zone 21 Target Area 1 includes all parcel areas in the Service Station Zone that overlie former wetlands (all parcels in the zone). These areas may have been impacted by historical (prior to filling) releases or disposal of organic compounds from a nearby oil refinery. This zone target area is also present on Zone 16, and the area of concern extends into the FISC Alameda Annex. Approximately 50 soil vapor samples will be collected in Zone 16 to assess potential migration of VOCs to soil vapor in unsaturated fill. Because the potential source and likely impacts on Zone 20 are the same as those for Zone 16, the data collected in Zone 16 will also be applied to Zone 20. Should the sampling in Zone 16 indicate that sampling is required in Zone 20, sampling may be conducted during the detailed investigation phase for this zone, or as part of the on-going investigations at IR sites 7A and 13.

  Subsequent (detailed evaluation phase) investigations may include the collection of subsurface soil samples from the affected horizon. subsurface soil sampling is not required during this phase of the investigation because soil vapor data will provide an adequate assessment of potential risks to human health, and because the general extent of the affected area has been established from prior investigations and document review.

In addition, concerns pertaining to asbestos, lead-based paint, underground lines, radiological issues, the IR site, and USTs must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-Z21

ZONE 21 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 21 at NAS Alameda (Figure 6-Z21-1). Zone 21 has been designated the Naval Exchange Commercial Zone and encompasses the parcels that have commercial retail activities. Zone 21 is comprised of Parcels 102, 115, 116, 117, 118, 119, 120, 121, 129, 130, 197, 208, and 209. During the sampling program development, the parcels located in this zone were evaluated together. Four zone-wide target investigation areas (target areas) and seven parcel-specific target areas have been identified in this zone. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface Geoprobe soil sampling. Table 6-Z21-1 provides the complete list of samples and analyses prescribed for this zone, and Figure 6-Z21-1 illustrates all sample locations for the entire zone, including parcel-specific sampling. One of the parcels in this zone (Parcel 129) has been reclassified from BRAC Category 7 to BRAC Category 6. None of the other parcels could be reclassified because the full extent of the impact from the adjacent IR sites has not been defined.

This zone evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 21, historical activities are discussed below.

Zone 21 Background and Historical Activities

This subsection briefly summarizes EBS information available for buildings, open spaces, and boundaries of Zone 21 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, potential underground storage tanks, and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the Parcel Evaluation Plans (PEPs) for the parcels contained in this zone.

Past and present use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and

TABLE 6-Z21-1

Summary of Recommended Samples
NAS Alameda Zone 21

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z21-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 2	TPH, PCBs, SVOCs, Lead	TPH, PCBs, SVOCs, Lead	Modified EPA 8015, EPA 8080, EPA 8270, ICAP Scan
Z21-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 21 Target Area 2	TPH, PCBs, SVOCs, Lead	TPH, PCBs, SVOCs, Lead	Modified EPA 8015, CLP RAS
Z21-2-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Zone 21 Target Area 3	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, EPA 8240, EPA 8270, ICAP Scan
Z21-2-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Zone 21 Target Area 3	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, CLP RAS
Z21-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 3	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
Z21-3-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Zone 21 Target Area 3	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, EPA 8240, EPA 8270, ICAP Scan
Z21-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 3	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
Z21-4-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Zone 21 Target Area 3	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, EPA 8240, EPA 8270, ICAP Scan
Z21-4-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Zone 21 Target Area 3	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, CLP RAS
Z21-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 3	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
Z21-5-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Zone 21 Target Area 3	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, EPA 8240, EPA 8270, ICAP Scan

TABLE 6-Z21-1

Summary of Recommended Samples
NAS Alameda Zone 21

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z21-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 3	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
Z21-6-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Zone 21 Target Area 3	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, EPA 8240, EPA 8270, ICAP Scan
Z21-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 3	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
Z21-7-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Zone 21 Target Area 3	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, EPA 8240, EPA 8270, ICAP Scan
Z21-7-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 3	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
Z21-7-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 21 Target Area 3	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, CLP RAS
Z21-8-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides	Pesticides	EPA 8080
Z21-8-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides	Pesticides	CLP RAS
Z21-9-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides	Pesticides	EPA 8080
Z21-10-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides	Pesticides	EPA 8080
Z21-11-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides	Pesticides	EPA 8080
Z21-12-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides	Pesticides	EPA 8080

TABLE 6-Z21-1

Summary of Recommended Samples
NAS Alameda Zone 21

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z21-13-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides	Pesticides	EPA 8080
Z21-13-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides	Pesticides	CLP RAS
Z21-14-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides, Herbicides	Pesticides, Herbicides	CLP RAS
Z21-15-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides, Herbicides	Pesticides, Herbicides	CLP RAS

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

historical aerial photographs (the non-intrusive investigation[1]). This information was used to determine areas on the zone where sampling was deemed necessary to delineate potential impacts of compounds of concern.

Zone 21, the Naval Exchange Commercial Zone encompasses 11 parcels that contain retail stores (such as the Naval Exchange) and services (such as the beauty shop, the credit union, and the florist shop). During the sampling program development, the parcels located in this zone were evaluated together to better address zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of specific parcel concerns is provided in the PEPs for individual parcels.

Filling began in the area covered by this zone in approximately 1930. Prior to filling, the area within this zone was comprised predominantly of wetlands. The area within the zone boundary was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

The former Pacific Coast Oil Refinery (on Old Alameda Point - IR Site 13) was located nearby. Releases from the refinery may have impacted the wetlands in this zone in the late 1800s and early 1900s. Based on data collected at the Fleet Industrial Supply Center (FISC) Alameda Annex, elevated levels of benzene and naphthalene are present in the subsurface at an approximate depth of 16 to 20 below ground surface (bgs). The soil samples from this horizon also contained a tar-like material. This impacted horizon was encountered approximately 8 to 12 feet below the water table and was interpreted as the top of the pre-fill marsh sediments. Preliminary sampling results indicate that benzene concentrations for saturated soil samples from this layer were as high as 10 ppm. Groundwater concentrations were much lower (in the parts per billion range) than the soil concentrations.

Currently, 15 buildings and four structures cover approximately 30 percent of the zone. The remaining 70 percent is open space. In addition, 15 buildings and one structure were formerly located on the parcel and have since been demolished. Four bunkers were formerly located in this zone, on Parcels 115, 116, 118, and 119 (one bunker on each parcel). The bunkers were present in this area from

[1] The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.

approximately 1953 to 1970. No information is available regarding the materials stored in these bunkers. Other areas of the zone formerly contained large warehouses; railroad tracks were present in parcels 121, 130, and 197, and may have been present in several other parcels (the aerial photographs do not provide sufficient detail to determine whether certain areas are former roads or railroad tracks).

Zone 21 is adjacent to two Installation Restoration (IR) Program sites (IR Sites 3 and 7A). IR Site 3 is Area 97, the Abandoned Fuel Storage Area. IR Site 3 is located directly to the south of Zone 21. A large quantity of fuel (up to 300,000 gallons) was released from IR Site 3 in the late 1960s and early 1970s. Existing investigation data indicate that a plume of hydrocarbons and aromatic solvents is traveling northwest from Area 97. IR Site 3 is known to have impacted three parcels in this zone, Parcels 120, 129 and 209. These parcels are known to have been impacted by releases of petroleum and volatile aromatic hydrocarbons. Additional investigation is planned for the area downgradient (primarily northwest) of Area 97. This investigation will include Parcels 129, 130, and 209. IR Site 7A is the former Naval Exchange Service Station. IR Site 7A is located to the north of Zone 21. Several of the fuel tanks at this IR site are known to have leaked and have been removed. Detailed information regarding the subsurface impacts at each parcel is provided in the individual PEPs.

Sewer lines present on this zone are illustrated in the individual PEP figures. Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns and asbestos-containing materials on Zone 21 will be addressed in other sampling programs and are not considered in this ZAP.

Underground Storage Tanks

One abandoned tank and one potential tank are known to be present in this zone on Parcel 115. The abandoned tank is reported to be located near the east side of Building 173; it is a 2,000 gallon tank. The potential tank was indicated by document review; however, no further information is available regarding this tank, and site inspection did not indicate any evidence of a second UST at this parcel. Both of these tanks are scheduled to be removed.

Document review indicated that a UST (tank number 549-5) may potentially be present on Parcel 197; this tank is reportedly a 10,000-gallon UST that stored automotive gasoline. The tank could not be located during a 1987 precision tank testing study, and no evidence of a UST was noted during the site inspection of this parcel.

However, the site inspection revealed the potential presence of three other USTs in this zone in Parcels 116, 129, and 208. An open pipe tap was noted in Parcel 116; it is potentially part of a UST associated with Building 517, but no additional information is available. A large concrete pad with a metal plate was noted in Parcel 129, east of Building 527. A vent pipe was identified in Parcel 208 on the eastern side of Building 408; this vent pipe may be indicative of a UST.

RCRA Sites

No RCRA sites were identified at this zone.

Zone Boundary Conditions

Zone 21 is bounded by Zones 20, 16, 17, and 22. Zone 21 is bounded by Main Street to the east. Activities of concern on these adjacent zones include the presence of IR sites on Zone 20 (IR Site 7A, the Naval Exchange Service Station), Zone 17 (IR Site 3, the Abandoned Fuel Storage Area), and Zone 22 (IR Site 4, Building 360; IR Site 7C, a Service Station; IR Site 10B, the Missile Rework Operations Building; IR Site 16, the Cans C-2 Area; IR Site 19, Yard D-13/Hazardous Waste Solvents; IR Site 13, the Oil Refinery; and IR Site 9, the Paint Stripping Building). In addition, Parcel 123 on Zone 17 serves as metal recycling/scrap yard and vehicle maintenance area.

Zone Target Areas and Compounds of Concern

This zone contains three zone-wide target areas and 11 parcel-specific target areas. This subsection of the ZAP discusses the specific zone-wide target areas and provides an overview of the parcel-specific target areas. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this zone. Detailed information regarding the parcel-specific target areas and the proposed sampling is provided in the PEPs for individual parcels. The nature and locations of the zone-wide and parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

Most of the parcels on this zone also had long-term unpaved areas. According to EPA/Cal-EPA guidance, these long-term unpaved may require sampling for pesticides. However, four of the parcels on this zone (Parcels 116, 118, 120, and 121) also contained former gardening

shops and a plant nursery. These buildings are considered potential pesticide release areas. These four parcels represent the areas likely to show the greatest concentrations of pesticides, if pesticides were released at this zone. They will therefore be sampled and serve as "worst-case" indicator for the potential presence of pesticides in other areas of this zone. No zone target areas have been established for pesticides; if the sampling at Parcels 116, 118, 120, and 121 indicates that potential pesticides releases are of concern, then pesticide sampling may be addressed as a zone-wide issue during the detailed evaluation phase.

Zone 21 Target Areas

The following zone target areas were identified for Zone 21.

- Zone 21 Target Area 1 (Filled Wetlands): This target area includes all parcel areas in the Naval Exchange Commercial Zone that overlie former wetlands (all parcels in the zone except Parcel 209). These areas may have been impacted by historical (prior to filling) releases or disposal of organic compounds from a nearby oil refinery. This zone target area is also present on Zone 16, and the area of concern extends into the FISC Alameda Annex. Approximately 50 soil vapor samples will be collected in Zone 16 to assess potential migration of VOCs to soil vapor in unsaturated fill. Because the potential source and likely impacts on Zone 21 are the same as those for Zone 16, the data collected in Zone 16 will also be applied to Zone 21. Should the sampling in Zone 16 indicate that sampling is required in Zone 21, sampling may be conducted during the detailed investigation phase for this zone, or as part of the on-going investigations at IR Sites 7A and 13.

  Subsequent (detailed evaluation phase) investigations may include the collection of Geoprobe subsurface soil samples from the affected horizon. Geoprobe subsurface soil sampling is not required during this phase of the investigation because soil vapor data will provide an adequate assessment of potential risks to human health, and because the general extent of the affected area has been established from prior investigations and document review.

- Zone 21 Target Area 2 (Railroad Tracks): This target area includes all current and former railroad track areas within the Naval Exchange Commercial Zone. Railroad track locations include the southern boundaries of Parcel 121 and 197, and the southeastern corner of Parcel 130. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars, engines, and ties. In addition, the railroad tracks in Parcel 197 are

located adjacent to a former warehouse, and aerial photo review indicates the presence of parked rail cars (i.e., individual rail cars without a locomotive) on this track.

This target area is classified as having potential likelihood of impacts. Surface soil samples will be collected approximately every 800 linear feet along the two track areas yielding a total of one zone-wide sampling location. One sample is sufficient for this zone because railroad track zone target areas also exist on adjacent zones, and the data from these zones can be assessed for the tracks as a whole. The sample will be collected from the center of the tracks below any coarse subgrade material present. The sample to be collected in this target area is listed in Table 6-Z21-1 and is shown on Figure 6-Z21-1.

It should be noted that railroad track sampling is currently occurring in Zone 16. The target analytes and the need for sampling railroad tracks will be reevaluated after the Zone 16 sampling data are available. If appropriate, the number of target analytes may be reduced, or, if no concerns are identified in Zone 16, the zone target area may be eliminated.

- Zone 21 Target Area 3 (Former Bunkers): This target area includes the areas formerly containing bunkers on Parcels 115, 116, 118, and 119. The bunkers were present from approximately 1953 to 1970. Unknown containers and miscellaneous equipment were stored in the open space around the bunkers prior to 1966. No information is available regarding the activities occurring at these bunkers, or the chemicals/materials (if any) stored in these bunkers. However, significant staining is visible in this area in the 1966 aerial photograph and surrounds the bunkers on the east and west sides. Six surface soil samples and six subsurface soil samples will be collected from this target area. Because no information is available regarding the materials/chemicals stored in this area, the samples will be analyzed for VOCs, SVOCs, TPH, and metals.

- Zone 21 Target Area 4 (Retail Garden Shops and Nurseries): This target area includes Buildings 517 (Parcel 116), Buildings 517A, 512B, the Yard Area (Parcel 118), former Building 264 (Parcel 120), and former Building 222 (Parcel 121). Building 517 is used as a garden shop. Pesticides were stored, handled and used in this area, and were potentially released to the soil. Buildings 512B and 517A have served as pesticide storage areas. Former Building 264 was used as a nursery and pesticides may have been used or stored here. Former Building 222 was used as a garden shop. These areas may have been impacted by historical releases of pesticides. The compounds of

concern in this zone target area are pesticides. Eight surface soil samples will be collected from this target area.

Parcel 116, 117, 118, 119, 121, 130 and 209 Target Areas

- No parcel-specific target areas were identified for these parcels.

Parcel 102 Target Area

- Target Area 1 (Open Space Near Northeastern Corner of Building 152): A 50-gallon aboveground fuel storage tank (and piping) located near the backup generator is a probable source of soil contamination. Stains on the concrete and asphalt around the piping, generator, and fuel tank indicate that releases have occurred in the past. No secondary containment exists for the tank, generator, or piping. The primary compounds of concern in this target area are TPH. Two surface soil samples will be collected from this target area.

Parcel 115 Target Area

- Target Area 1 (Open Space East of Building 173): This target area covers approximately 400 square feet. Three aboveground fuel storage tanks are located near the east side of Building 173. Staining near the middle tank noted during the site inspection indicates that a release occurred. The other tanks are potential sources of release. The compounds of concern in this target area are TPH. The two surface soil samples to be collected at this target area are listed in Table 6-115-1.

Parcel 129 Target Areas

- Target Area 1 (Open Space East and South of Building 527): Although this area has been used primarily for vehicle parking, staining in a 1953 aerial photograph indicates that releases may have occurred. The source of the staining is unknown. This target area covers approximately 16,000 square feet and has been classified as having a potential likelihood of impacts. Because the compounds of concern potentially released at this target area are unknown, the samples collected will be analyzed for TPH, SVOCs, VOCs, and metals. Three surface soil samples and three subsurface soil samples will be collected in this target area. Samples to be collected in Target Area 1 are listed in Table 6-129-1.

- Target Area 2 (Open Space West of Building 527): Staining and material storage observed in a 1947 aerial photograph indicate that releases may have occurred. The staining and equipment storage occurred in rows parallel with the southern parcel boundary. The ground cover appears to have been bare soil. This target area covers approximately 12,000 square feet and has been classified as having a potential likelihood of impacts. Because the compounds of concern potentially released at this target area are unknown, the samples collected will be analyzed for TPH, SVOCs, VOCs, and metals. Three shallow soil and three subsurface soil samples will be collected in this target area. Samples to be collected in Target Area 2 are listed in Table 6-129-1.

Parcel 197 Target Areas

- Target Area 1 (Oil/Water Separator Near Southeast Corner of Building 118): The soil in Target Area 1 may have been impacted by the releases of VOCs, SVOCs, metals, and TPH from the oil/water separator. This target area has been classified as having a potential likelihood of impacts. Two subsurface soil samples will be collected from the perimeter of the oil/water separator. Samples to be collected in this target area are listed in Table-6-197-1.

- Target Area 2 (Open Space North of Building 118): The open space north of Building 118 has been used as a storage yard for miscellaneous items and a receiving area. A hydraulic lifting device near Loading Bay 1 has leaked a moderate quantity of hydraulic fluid. Oily stains near abandoned air conditioning equipment indicate that releases have occurred. This target area has been classified as having a potential likelihood of impacts. The compounds of concern in this target area include TPH and VOCs. Three subsurface and three surface soil samples will be collected in this target area. Samples to be collected in this target area are summarized in Table 6-197-1.

Parcel 208 Target Area

- Target Area 1 (Open Space East of Building 408): Staining in historical aerial photographs indicates that spills may have occurred in the open space east of the Building 408. This target area covers approximately 6,000 square feet and has been classified as having a potential likelihood of impacts. Because the activities and compounds of concern are unknown, samples will be analyzed for TPH, SVOCs, VOCs, and metals. Two surface and two subsurface

soil samples will be collected in this target area. Samples to be collected in this target area are listed in Table 6-208-1.

Screening-Level Investigation

Two screening-level techniques will be employed to assess conditions in the zone and parcel-specific target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14).

Table 6-Z21-1 summarizes screening-level sampling and analysis for the zone and parcel-specific target areas. A total of 30 surface soil samples and 16 subsurface Geoprobe soil samples will be collected from the locations shown on Figure 6-Z21-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the zone areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-102

PARCEL 102 EVALUATION PLAN

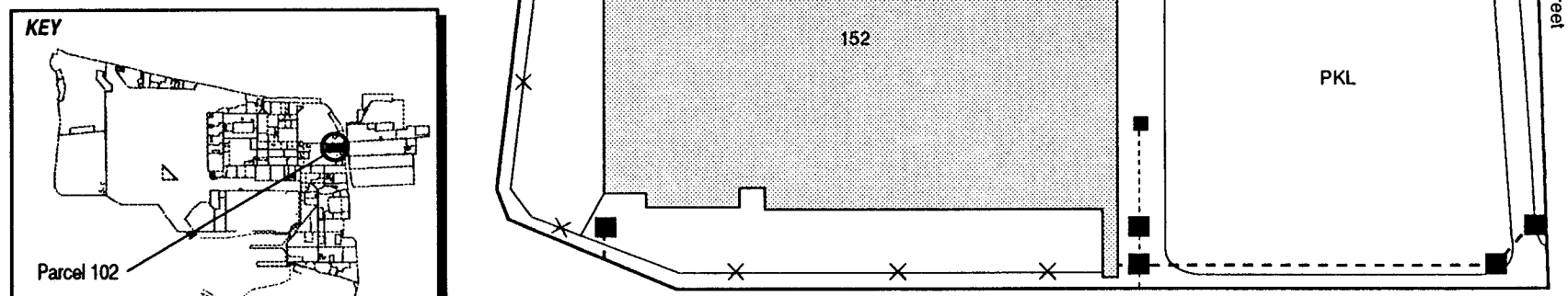
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 102 at NAS Alameda (Figure 6-102-1). The parcel, which is located in the east-central portion of the base, is approximately four acres in size and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. Parcel 102 contains no RCRA sites. One parcel-specific target investigation area (target area) and one zone-wide target area have been identified in this parcel; however, no zone-wide sampling is proposed at Parcel 102. Sampling procedures called for in the screening-level investigation in this area include surface soil sampling. Table 6-102-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 102, historical activities are discussed below.

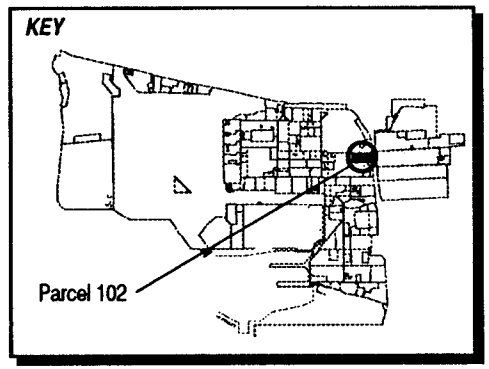
Background and Historical Activities

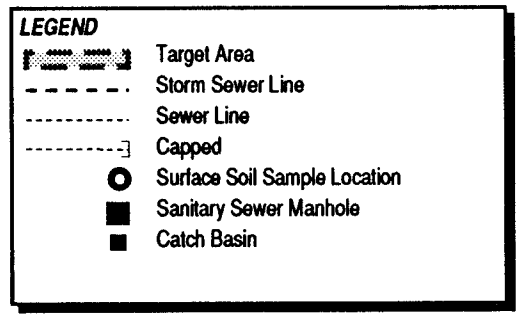
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 102 consistent with objectives identified in Section 1 of the Shell Workplan. This subsection also identifies nearby Installation Restoration Program sites and other areas of concern.

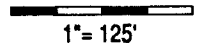
Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 115, 116, 117, 118, 119, 120, 121, 129, 130, 197, 208, and 209. This parcel zone has been designated the Naval Exchange Commercial Zone (Zone 21). The Naval Exchange Commercial Zone encompasses the parcels that have commercial retail activities. During the sampling program









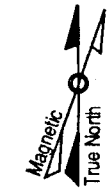


Figure 6-102-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/07.05.94

TABLE 6-102-1

Summary of Recommended Samples
NAS Alameda Parcel 102

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
102-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Diesel	TPH	Modified EPA 8015
102-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Diesel	TPH	Modified EPA 8015
102-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Diesel	TPH	Modified EPA 8015

* This is the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 21.

Parcel 102 originally consisted of marsh land and sloughs. Filling began in the area covered by this parcel in approximately 1930. The former Pacific Coast Oil Refinery (on Old Alameda Point, IR Site 13) was located nearby. Releases from the refinery may have impacted the wetlands at this parcel in the late 1800s and early 1900s. The fill material included dredgings from the Todd Shipyard. The area within the parcel boundary was completely filled as of 1945; the ground level and grading have not changed significantly since that time.

Currently, one building covers approximately 35 percent of the parcel. The remainder (65 percent) is open space. The parcel area is presently in use as a commissary and parking area. One building was formerly located on the parcel and has since been demolished. Sewer lines are present at this parcel and are shown in Figure 6-102-1.

Parcel 102 is located approximately 375 feet north of Installation Restoration (IR) Program Site 7A (Parcel 113). No previous investigations have been conducted at Parcel 102 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 152

Building 152 was constructed in 1945 and serves as a commissary (Figure 6-102-1). This 87,554 square-foot building is in fair condition, and was formerly used as a jail. Building 152 is constructed of wood with a concrete floor and a tar/gravel roof.

Utilities located within and immediately surrounding Building 152 include underground sanitary sewer, storm sewer, steam, water, and electrical lines. A pad-mounted transformer is also located within the building.

Information collected during the EBS indicates that activities conducted within this building include food handling (e.g., meat preparation), refrigerated food storage, and miscellaneous storage. It appears that Building 102 was always used as either a commissary or jail.

Approximately 50 gallons of corrosion/scaling inhibitor (potassium hydroxide and diethylaminoethanol) are currently stored in the boiler room located in the northwestern portion of Building 152. Boiler blowdown is discharged to the sanitary sewer system. A former boiler room is located in the northeastern portion of Building 152. Both boiler rooms have potentially asbestos-containing insulation. The only other chemicals used or stored at Building 152 are working/lubricating fluids for compressors and refrigeration equipment, disinfecting chemicals approved for use in food handling areas, and miscellaneous commercial chemicals for consumer purchase (lighter fluid, household cleaning chemicals, etc.).

Although there have not been any documented spills at Building 152, site inspection data indicate that electrical switches have leaked a small quantity of oil. No other incidents are documented to have occurred. Building 152 is equipped with a heating-ventilation-air conditioning (HVAC) system.

Building 409 (Demolished)

Building 409 was constructed in 1957 and served as a snack bar and beer store. This temporary building, which covered approximately 550 square feet, was demolished. No chemicals are documented to have been stored or used at Building 409. There have not been any documented spills or other incidents at Building 409.

Open Space

Open space makes up approximately 65 percent of Parcel 102. The open space has been used for vehicle parking and recreation. The ground surface is 90 percent paved with asphalt and 10 percent paved with concrete. In general, the pavement is in good condition; however, the interface between the concrete foundation of Building 152 and the surrounding pavement has been damaged by earthquakes.

Building 409 was formerly located in the open space. Utilities located within and immediately surrounding the open space include underground gas, sanitary sewer, storm sewer, steam, water, and

electrical lines. An industrial sewer in Parcel 112 runs near the southern edge of Parcel 102.

Site inspection data indicate that activities conducted within this open space include vehicle parking, recreation (west of Building 152), and loading/unloading of commissary materials (south of Building 152). Fuel transfer occurs at an aboveground storage tank located near the northeastern corner of Building 152. This storage tank has a capacity of approximately 50 gallons and supplies diesel fuel to the commissary's back-up generator. There is no secondary containment for the tank or the aboveground piping. Stains present near the aboveground storage tank appear to be the result of leakage from fuel transfer operations and faulty pipe connections between the tank and generator (this staining is addressed under Target Area 1).

Refrigeration compressors are located on each side of Building 152. Stains around the refrigeration compressors on each side of Building 152 indicate that releases of small quantities of fluid have occurred over asphalt and concrete; these stains do not appear to present a concern.

Site inspection data indicate that five abandoned drums are located in the southwestern portion of Parcel 102. According to the labels on the drums, two 50-gallon drums contain fat oil from the USS Mercy, one five-gallon drum contains liquid plastic, and one 55-gallon drum contains detergent. One drum is not labeled. Approximately 90 gallons of floor polish, paint, and thinner are stored in a metal CONEX container located on the loading dock on the southern side of Building 152. Stains near the loading dock on the south side of Building 152 appear to consist of food materials and minor engine fluid leaks from forklifts and delivery trucks; these stains do not appear to present a concern.

There have not been any documented spills in the open space. Typical vehicle parking stains exist throughout the parcel. The largest stain in the parking area covers approximately 10 square feet; these stains do not appear to present a concern.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 102 is bounded by Parcels 98, 100, 208, and 103 and by Main Street to the east. No parcels contiguous with Parcel 102 are IR sites, therefore, no sampling is called for in this PEP in response to the nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 102, then additional sampling on Parcel 102 may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 102, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-102-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 102 because no industrial buildings are present.

Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. As discussed in the ZAP for this zone, potential pesticides releases are being evaluated at the four parcels (Parcels 116, 118, 120 and 121) most likely to be impacted, and zone-wide sampling for pesticides will only be conducted if these four parcels show elevated concentrations of pesticides. Therefore, no pesticide sampling has been proposed for Parcel 102.

Once the data gaps in Table 6-102-2 are addressed and screening-level sampling results from the target areas described below are compared to

TABLE 6-102-2

Summary of Data Gaps
NAS Alameda Parcel 102

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 102.
Installation Restoration (IR) Sites	• IR Site 7A (Service Station) is located approximately 375 feet south of Parcel 102. Additional subsurface investigation relative to IR Site 7A is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• The groundwater underneath this parcel may potentially be impacted by releases associated with the wetlands dumping. This concern is being addressed in Zone 16.
Potential Zone-Wide Release Areas	• Filled Wetlands
Potential Parcel-Specific Release Areas	• Target Area 1 (Open Space Near Northeastern Corner of Building 152)
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-102-2

Summary of Data Gaps
NAS Alameda Parcel 102

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified. • No underground or aboveground fuel lines identified. • Steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

the appropriate screening levels, Parcel 102 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

One parcel-specific target investigation area has been identified in this parcel. One zone-wide target area has been identified at Parcel 102, however, no zone-wide sampling is proposed at this parcel. This subsection of the PEP discusses the specific parcel target area and provides an overview of the zone-wide target area. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 21. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Open Space Near Northeastern Corner of Building 152): A 50-gallon aboveground fuel storage tank (and piping) located near the backup generator is a probable source of soil contamination. Stains on the concrete and asphalt around the piping, generator, and fuel tank indicate that releases have occurred in the past. No secondary containment exists for the tank, generator, or piping. Two surface soil samples will be collected and analyzed for TPH. The samples proposed for this target area are listed in Table 6-102-1.

- Zone 21 Target Area 1 (Filled Wetlands): No samples are currently proposed for this target area. Sampling in this target area is on hold pending the outcome of the Filled Wetlands sampling in Zone 16.

Screening-Level Investigation

Surface soil sampling (SOP 3) and will be employed to assess conditions in the target area and to identify areas that require further sampling in the follow-up detailed evaluation phase. Table 6-102-1 summarizes screening-level sampling and analysis for the parcel's target area. Two surface soil samples will be collected from the locations shown in Figure 6-102-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Sampling locations may be adjusted in the field as necessary. The surface soil samples will be collected from the center of the darkest stains.

Detailed Evaluation Phase

The detailed evaluation phase of sampling is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize the screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15) and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-115

PARCEL 115 EVALUATION PLAN

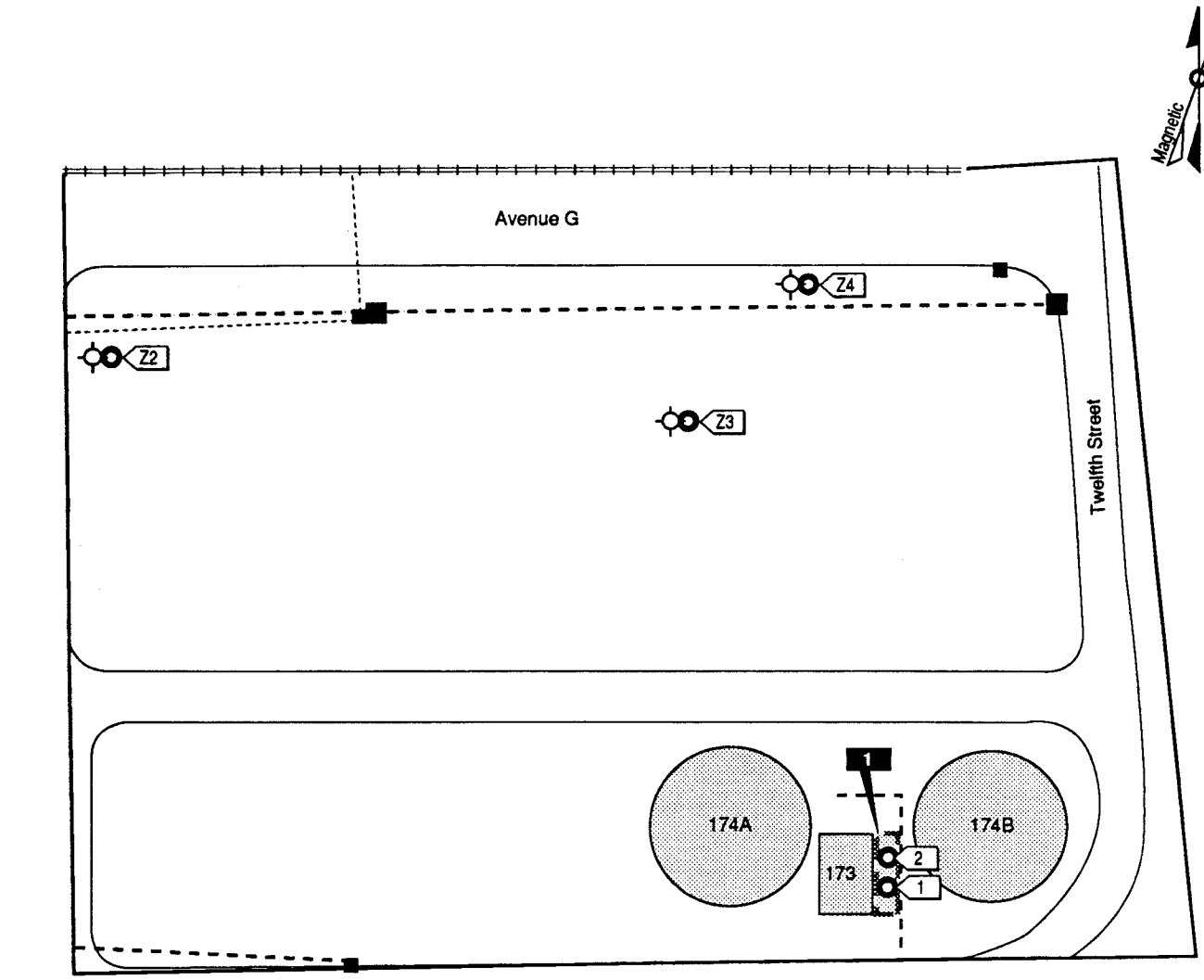
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 115 at NAS Alameda (Figure 6-115-1). The parcel, which is located in the east-central portion of the base, is approximately five acres in size and is roughly square in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One parcel-specific and two zone-wide target investigation areas (target areas) have been identified on Parcel 115. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface soil sampling. Table 6-115-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 115, historical activities are discussed below.

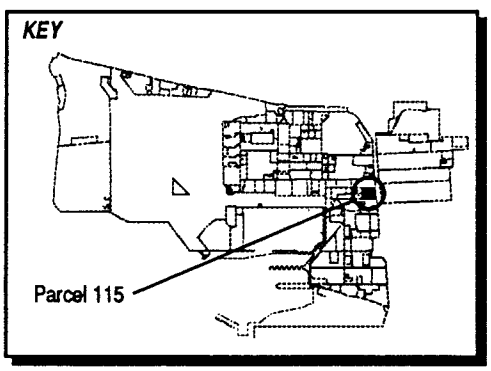
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 115 consistent with the objective 1 identified in Section 1 of the Shell Workplan. This subsection also identifies the nearby Installation Restoration Program site and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 102, 116, 117, 118, 119, 120, 121, 129, 130, 197, 208, and 209. This parcel zone has been designated the Naval Exchange Commercial Zone (Zone 21). The Naval Exchange Commercial Zone encompasses the parcels that have commercial retail activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore,





LEGEND

- Target Area 1
- Storm Sewer Line
- Sewer Line
- Subsurface Geoprobe Sample Location
- Surface Soil Sample Location
- Sanitary Sewer Manhole
- Catch Basin

1"= 90'

Figure 6-115-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/06.28.94

TABLE 6-115-1

Summary of Recommended Samples

NAS Alameda Parcel 115

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Compounds of Concern	Target Analytes	Analytical Method
115-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Diesel	TPH	Modified EPA 8015
115-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Diesel	TPH	Modified EPA 8015
115-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Diesel	TPH	Modified EPA 8015
Z21-2-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Zone 21 Target Area 3	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, EPA 8240, EPA 8270, ICAP Scan
Z21-2-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Zone 21 Target Area 3	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, CLP RAS
Z21-3-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Zone 21 Target Area 3	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, CLP RAS
Z21-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 3	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
Z21-4-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Zone 21 Target Area 3	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, EPA 8240, EPA 8270, ICAP Scan
Z21-4-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Zone 21 Target Area 3	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, CLP RAS
Z21-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 3	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 21.

Parcel 115 originally consisted of marsh land and sloughs. Filling began in the area covered by this parcel in approximately 1930 and included dredged material from the Todd Shipyard. Filling began in the area covered by this parcel in approximately 1930. The former Pacific Coast Oil Refinery (on Old Alameda Point--IR Site 13) was located nearby. Releases from the refinery may have impacted the wetlands at this parcel in the late 1800s and early 1900s. The area within the parcel boundary was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 173) and two structures (Structures 174A and 174B, Aboveground Water Storage Tanks) cover approximately five percent of the parcel. The remaining 95 percent is open space. The parcel area is presently used as a vehicle parking area and a roadway. Two buildings and one structure were formerly located on the parcel and have since been demolished. Sewer lines are present on this parcel and are shown on Figure 6-115-1.

Parcel 115 is located approximately 400 feet south of Installation Restoration (IR) Program Site 7A (Building 459, Navy Exchange Fuel Station) and approximately 250 feet northeast of IR Site 3 (Area 97, Abandoned Fuel Storage Area). No previous investigations have been conducted at Parcel 115, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 173

Building 173 was constructed prior to 1947 and has served as a water pumping station (Figure 6-115-1). This one-story building is in moderately good condition. Building 173 is constructed of concrete and brick with a concrete floor and a tar/gravel roof, and covers approximately 1,300 square feet. It appears that Building 173 was always used as a pumping station.

Utilities located within and immediately surrounding Building 173 include underground storm sewer, water, and electrical lines. Site inspection data indicate that electrical switches within the building may be oil-filled.

The three water pumps within Building 173 have a pumping capacity of 7,700 gallons per minute. Backup power for the pumps is supplied by three diesel generators. Diesel fuel for the generators is stored in three aboveground storage tanks east of Building 173. Staining noted near the storage tanks will be addressed as Target Area 1. Insulation on the generators' exhaust piping may potentially consist of asbestos-containing materials. A floor drain near the east edge of the building is connected to the storm sewer system. Twelve batteries and approximately two gallons of oil are stored near this floor drain. Disposal practices are unknown.

Although no spills are documented to have occurred in Building 173, floor stains noted during the site inspection indicate that spills may have occurred. The floor stains appear to have involved relatively minor quantities of oil. A 24-square-foot floor stain near Pump No. 2 was also noted during the site inspection. The stain appears to have involved lubricating fluid. No other incidents such as fires, mishaps, or flooding are documented to have occurred in Building 173.

Building 123 (Demolished)

Building 123 was constructed in 1944 and served as a shop, an inert material storage building, and a Navy exchange storage building (Figure 6-115-1). This semi-permanent building was demolished between 1966 and 1970. Building 123 covered approximately 4,030 square feet. No information is available concerning the type of shop or inert materials storage within former Building 123.

No chemicals are documented to have been stored or used at Building 123. No documented spills have occurred at Building 123. No other incidents such as fires, mishaps, or flooding are documented to have occurred.

Open Space

The open space covers approximately 95 percent of Parcel 115 and is completely paved. Approximately 90 percent of the paved area is surfaced with asphalt and 10 percent is covered with concrete. The pavement is generally in good condition. The immediate areas around Building 173, Structure 174A, and Structure 174B are covered with bare soil.

Two aboveground water storage tanks (Structures 174A and 174B) are the only structures located within the open space (Figure 6-115-1). Structures 174A and 174B are located west and east of Building 173, respectively. Each concrete tank stores potable water and has a capacity of approximately 530,000 gallons. Both tanks appear to be composed of concrete. No further information exists for Structures 173A and 173B.

Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, water, and electrical lines. One PCB-containing transformer (#7223709) is located on a concrete pad near the west side of Building 173. The transformer is mounted on a concrete pad within secondary containment. Railroad tracks define the northern edge of Parcel 115, but are considered to be part of Parcel 197.

Three aboveground storage tanks, located near the east side of Building 173, supply diesel fuel to three backup generators inside the building. Each raised steel tank has an approximate capacity of 100 gallons and is located within concrete secondary containment. Extensive staining within the secondary containment indicates that a moderately large spill occurred under the middle storage tank (this staining is addressed under Target Area 1).

The open space was used primarily for vehicle parking from approximately 1966 to present. Prior to 1966, the open space appears to have been used as a storage area for miscellaneous containers and equipment. Aerial photographs indicate that a bunker was located in the northwestern portion of Parcel 115. The types of materials stored and activities conducted at this structure are unknown. The bunker was demolished between 1966 and 1970. Aerial photographs also indicate that an unknown building was located just north of Structure 174B. This building was constructed between 1953 and 1958, and demolished before 1963.

A large stain in a 1953 aerial photograph indicates that a spill may have occurred near the south side of Avenue G. The stain covers an area measuring approximately 30 feet by 15 feet (this stain is being addressed as part of the zone-wide sampling). Currently, only stains typical of vehicle engine leakage are present in the parking area. No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

Two abandoned underground storage tanks are potentially present at this parcel. No information (such as tank number, size or contents) is

available regarding the first tank. The second underground storage tank is reported to be located near the east side of Building 173 and abandoned. The second tank has an approximate capacity of 2,000 gallons and was used to store gasoline.

Both tanks are scheduled to be removed; however, neither tank has been definitively located.

Parcel Boundary Conditions

Parcel 115 is bounded by Parcels 116, 117, 120, 129, 130, 197, and Main Street. No parcels contiguous with Parcel 115 are IR sites, therefore, no sampling is called for in this PEP in response to the two nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 115, then additional sampling on Parcel 115 may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 115, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-115-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 115 because no industrial buildings are present.

Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. As discussed in the ZAP for this zone, potential pesticides releases are being evaluated at the four parcels (Parcels 116, 118, 120 and 121) most likely to be impacted, and

TABLE 6-115-2

Summary of Data Gaps
NAS Alameda Parcel 115

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 115.
Installation Restoration (IR) Sites	• IR Site 7A (Service Station) is located approximately 400 feet north of Parcel 115. Additional subsurface investigation relative to IR Site 7A is proposed by the IR contractor. • IR Site 3 (Area 97) is located approximately 250 feet southwest of Parcel 115. Additional subsurface investigation relative to IR Site 3 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• Filled Wetlands • Former Bunkers
Potential Parcel-Specific Release Areas	• Target Area 1 (Open Space East of Building 173)
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

TABLE 6-115-2

Summary of Data Gaps
NAS Alameda Parcel 115

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• One *potential* UST is located at this parcel. No other information is available, but it is scheduled to be removed. • One abandoned 2,000 gallon UST is located east of Building 173; it could not be definitively located, but it is scheduled to be removed.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified. • No underground or aboveground fuel lines identified. • No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

zone-wide sampling for pesticides will only be conducted if these four parcels show elevated concentrations of pesticides. Therefore, no pesticide sampling has been proposed for Parcel 115.

Once the data gaps in Table 6-115-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 115 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

One parcel-specific and two zone-wide target areas have been identified on Parcel 115. This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target areas. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 21. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following parcel-specific target area was identified based on the potential release areas described above and listed in Table 6-115-2.

- Target Area 1 (Open Space East of Building 173): This target area covers approximately 400 square feet. Three aboveground diesel storage tanks are located near the east side of Building 173. Staining near the middle tank noted during the site inspection indicates that a release occurred. The other tanks are potential sources of release. Compounds of concern include TPH. Two surface soil samples will be collected from this target area. Samples to be collected in this target area are listed in Table 6-115-1.

- Zone 21 Target Area 1 (Filled Wetlands): No samples are currently proposed for this target area. Sampling in this target area is on hold pending the outcome of the Filled Wetlands sampling in Zone 16.

- Zone 21 Target Area 3 (Former Bunkers): This target area includes the areas formerly containing bunkers on Parcels 115, 116, 118, and 119. The bunkers were present from approximately 1953 to 1970. Unknown containers and miscellaneous equipment were stored in the open space around the bunkers prior to 1966. No information is available regarding the activities occurring at these bunkers, or the chemicals/materials (if any) stored in these bunkers. However, significant staining is visible in this area in the 1966 aerial photograph

and surrounds the bunkers on the east and west sides. Three surface soil samples and three subsurface soil samples will be collected from Parcel 115 at this target area. Because no information is available regarding the materials/chemicals stored in this area, the samples will be analyzed for VOCs, SVOCs, TPH, and metals. Samples to be collected from Parcel 115 in this Target Area are listed in Table 6-115-1.

The railroad tracks located at the northern parcel boundary are being addressed as part of Parcel 197.

Screening-Level Investigation

Two screening-level techniques, surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14), will be employed to assess conditions in target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-115-1 summarizes screening-level sampling and analysis for the parcel's target areas. Five surface soil samples and five subsurface soil samples will be collected from the locations shown on Figure 6-115-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Apart from the two surface and subsurface sample locations shown in the most southeastern portion of the parcel, the sample locations shown on Figure 6-115-1 are approximate and should be distributed evenly over the target area.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), Hydropunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-116

PARCEL 116 EVALUATION PLAN

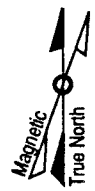
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 116 at NAS Alameda (Figure 6-116-1). The parcel, which is located in the eastern central portion of the base, is approximately one acre in size and is roughly square in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. Three zone-wide target investigation areas (target areas) have been identified on this parcel. No parcel-specific target areas have been identified. Surface soil sampling and subsurface Geoprobe soil sampling will be used to accomplish the screening-level investigation. Table 6-116-1 provides the complete list of samples and analyses prescribed by this plan. This parcel specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 116, historical activities are discussed below.

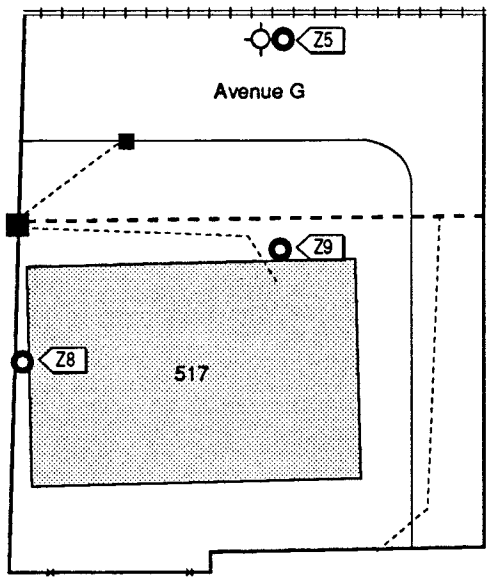
Background and Historical Activities

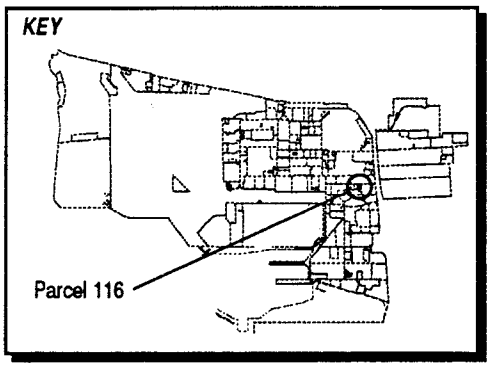
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 116, consistent with the objectives of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

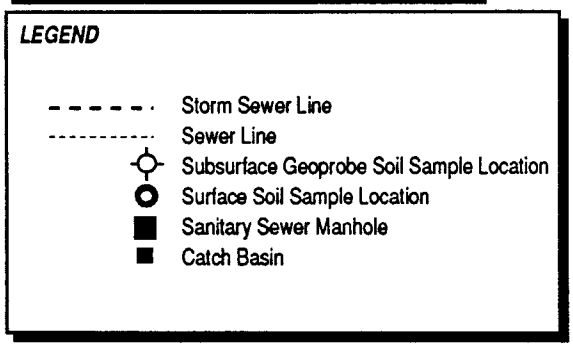
Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 102, 115, 117, 118, 119, 120, 121, 129, 130, 197, 208, and 209. This parcel zone has been designated the Naval Exchange Commercial Zone (Zone 21). The Naval Exchange Commercial Zone encompasses the parcels that have commercial retail activities. During the sampling program









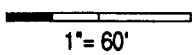


Figure 6-116-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/06.28.94

TABLE 6-116-1

Summary of Recommended Samples

NAS Alameda Parcel 116

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z21-5-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Zone 21 Target Area 3	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, EPA 8240, EPA 8270, ICAP Scan
Z21-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 3	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
Z21-8-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides	Pesticides	EPA 8080
Z21-8-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides	Pesticides	CLP RAS
Z21-9-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides	Pesticides	EPA 8080

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 21.

Parcel 116 originally consisted of marsh land and sloughs. Filling began in the area covered by this parcel in approximately 1930. The former Pacific Coast Oil Refinery (on Old Alameda Point, IR Site 13) was located nearby. Releases from the refinery may have impacted the wetlands at this parcel in the late 1800s and early 1900s. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 517, a retail store) covers approximately 30 percent of the parcel. The remaining 70 percent is open space. The parcel area is presently in use as a retail store and associated vehicle parking. . Two buildings were formerly located on the parcel and have since been demolished. Sewer lines are present in this parcel and are shown in Figure 6-116-1.

Parcel 116 is located approximately 500 feet north of Installation Restoration (IR) Program Site 3 (Area 97), and approximately 500 feet southwest of IR Site 7A (Naval Exchange Service Station). Subsurface contamination migration from IR Site 3, onto parcels located northwest of Area 97 is being investigated under the IR program. No previous investigations have been conducted at Parcel 116 and specific data regarding potential chemical occurrence are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 517

Building 517 was constructed around 1970 and serves as a garden shop (Figure 6-116-1). This one-story building covers approximately 8,200 square feet and is in fair condition. Building 517 is constructed of a steel frame with a tile floor. The area occupied by Building 517 was formerly open space used for vehicle parking from approximately 1966 to 1970; Buildings 121 and 122 were located in this area from 1952 to

1966; and vehicle parking and laydown activities occurred in this area from the time of fill completion to 1952.

The only utility located within and immediately surrounding Building 517 is a sanitary sewer line. Potting soil, pesticides, fertilizers and other garden supplies are documented to have been stored in and used at Building 517. There are no spills documented in existing files concerning this building. No other incidents are documented to have occurred at this building. Building 517 is contained in Zone 21 Target Area 4.

Building 121 (Demolished)

Building 121 was constructed around 1952. Its function is unknown, although this building was similar in appearance to the offices and barracks of that period. Building 121 was demolished around 1966. Prior to 1952, the space occupied by Building 121 was open space used for vehicle parking and equipment laydown.

Building 122 (Demolished)

Building 122 was constructed around 1952. Its function is unknown, although this building was similar in appearance to the offices and barracks of that period. Building 122 was demolished around 1966. Prior to 1952, the space occupied by Building 122 was open space used for vehicle parking and equipment laydown.

Open Space

The open space covers approximately 70 percent of the parcel. The open space has been used for vehicle parking since the parcel was filled and was also used for equipment laydown prior to 1952.

Railroad tracks are located along the northern border of the parcel (Figure 6-116-1), and are considered to be part of Parcel 197. The ground surface of the open space is completely paved. Approximately 90 percent of the paved area is surfaced with asphalt and 10 percent is covered with concrete. The pavement is generally in fair condition. Utilities located within and immediately surrounding the open space include electrical, water, sanitary and storm sewer lines.

No chemicals are documented to have been stored in or used at the Parcel 116 open space. There are no spills documented in existing files concerning this open space. No other incidents are documented to have occurred at this open space.

Underground Storage Tanks

One underground storage tank may potentially be present in this parcel. An open pipe tap, which is potentially part of a UST associated with Building 517, was identified during the site inspection. No other information is available regarding this potential tank.

Parcel Boundary Conditions

Parcel 116 is bounded by Parcels 197, 118, 120, 117, and 115. No parcels contiguous with Parcel 116 are IR sites, therefore no sampling is called for in this PEP in response to IR Sites. If continuing investigations at IR Sites 3 and 7A reveal a cause for concern at Parcel 116, then additional sampling on Parcel 116 may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 116, consistent with the objectives outlined in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another category. The data gaps shown in Table 6-116-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently ongoing to address the following data gaps a this parcel: transformers, lead-based paint, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewers is discussed in the corresponding protocols presented in Section 3.

Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. However, moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, because Building 157 serves as a garden shop, it will be sampled for pesticides.

No Industrial Hygiene (IH) sampling is required for Parcel 116 because no industrial buildings are present.

TABLE 6-116-2

Summary of Data Gaps
NAS Alameda Parcel 116

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 116.
Installation Restoration (IR) Sites	• IR Site 3 (Area 97) is located approximately 500 feet south of Parcel 116. Additional subsurface investigation relative to IR Site 3 is proposed by the IR contractor. • IR Site 7A (Naval Exchange Service Station) is located approximately 500 feet northeast of Parcel 116. Additional subsurface investigation relative to IR Site 7A is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• Filled Wetlands • Former Bunkers • Retail Garden Shops and Nurseries
Potential Parcel-Specific Release Areas	• No potential parcel-specific release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

TABLE 6-116-2

Summary of Data Gaps
NAS Alameda Parcel 116

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• One open pipe tap was identified during site inspection. It is potentially a UST associated with Building 517.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified. • No underground or aboveground fuel lines identified. • No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Once the data gaps in Table 6-116-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 116 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel is contained in three zone-wide target areas. This subsection of the PEP provides an overview of the zone-wide target areas. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 21. The nature and location of the zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Zone 21 Target Area 1 (Filled Wetlands): No samples are currently proposed for this target area. Sampling in this target area is on hold pending the outcome of the Filled Wetlands sampling in Zone 16.

- Zone 21 Target Area 3 (Former Bunkers): This target area includes the areas formerly containing bunkers on Parcels 115, 116, 118, and 119. The bunkers were present from approximately 1953 to 1970. Unknown containers and miscellaneous equipment were stored in the open space around the bunkers prior to 1966. No information is available regarding the activities occurring at these bunkers, or the chemicals/materials (if any) stored in these bunkers. However, significant staining is visible in this area in the 1966 aerial photograph and surrounds the bunkers on the east and west sides. Because no information is available regarding the materials/chemicals stored in this area, the samples will be analyzed for VOCs, SVOCs, TPH, and metals. One surface soil sample and one subsurface soil sample will be collected from this target area, and are shown on Figure 6-116-1 and listed in Table-6-116-1.

- Zone 21 Target Area 4 (Retail Garden Shops and Nurseries): Building 517 is a garden shop. Pesticides were stored, handled and used in this area, and were potentially released to the soil. Two surface soil samples will be collected from this target area. The samples are shown on Figure 6-116-1 and listed in Table-6-116-1.

Railroad tracks comprise a zone-wide target area. The sampling for this target area is covered in the PEP for Parcel 197.

Screening-Level Investigation

Two screening-level techniques will be employed to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14). Table 6-116-1 summarizes screening-level sampling and analysis for the parcel's target areas. Three surface soil samples and one subsurface Geoprobe soil sample will be collected from the locations shown on Figure 6-116-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-117

PARCEL 117 EVALUATION PLAN

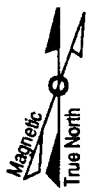
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 117 at NAS Alameda (Figure 6-117-1). The parcel, which is located in the central eastern portion of the base, is approximately 0.2 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One zone-wide target investigation area (target area) has been identified on Parcel 117; however, no zone-wide target area sampling is proposed for this parcel. No parcel-specific target areas were identified on Parcel 117. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 117, historical activities are discussed below.

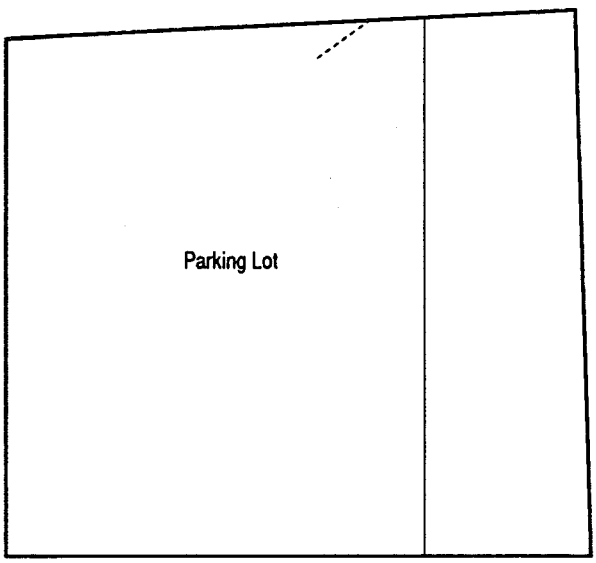
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 117 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 102, 115, 116, 118, 119, 120, 121, 129, 130, 197, 208, and 209. This parcel zone has been designated the Naval Exchange Commercial Zone (Zone 21). The Naval Exchange Commercial Zone encompasses the parcels that have commercial retail activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the





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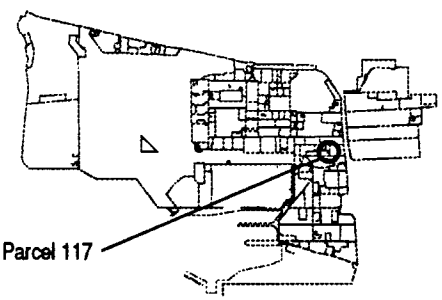


LEGEND

---------- Sewer Line

Note: No screening-level sampling recommended for this parcel.

1"= 30'

Figure 6-117-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/06.28.94

data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 21.

Parcel 117 originally consisted of marsh land and sloughs. Filling began in the area covered by this parcel in approximately 1930. The former Pacific Coast Oil Refinery (on Old Alameda Point--IR Site 13) was located nearby. Releases from the refinery may have impacted the wetlands at this parcel in the late 1800s and early 1900s. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently the parcel consists entirely of open space. The parcel area is presently in use as a parking lot. Two buildings were formerly located on the parcel and have since been demolished. Sewer lines are present on this parcel and are shown on Figure 6-117-1.

Parcel 117 is located approximately 400 feet north of Installation Restoration (IR) Program Site 3 (Area 97). No previous investigations have been conducted at Parcel 117, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Open Space

The parcel consists entirely of open space which is completely paved with asphalt. The pavement is generally in good condition. The parcel area is presently in used for vehicle parking and a roadway.

Buildings 123 and 548 were built around 1945, after the area was filled. The processes associated with Building 123 are unknown. It was demolished around 1970. Building 123 covered approximately 5,000 square feet. Building 548 housed a donut shop and was demolished around 1992. Building 548 was a covered approximately 1,000 square feet.

The utilities identified at this open space include underground steam, electrical, water, storm sewer and sanitary sewer lines. No chemicals

are documented to have been stored in or used at this parcel. No spills or other incidents are documented on this parcel.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 117 is bounded by Parcels 116, 120, and 115. No parcels contiguous with Parcel 117 are IR sites, therefore, no sampling is called for in this PEP in response to the one nearby IR site. If the continuing investigations at IR Site 3 (Parcel 131) reveal a cause for concern at Parcel 117, then additional sampling on Parcel 117 may be appropriate. Potential subsurface chemical migration from Parcel 131 (IR Site 3) onto parcels located northwest of Parcel 131, including Parcel 117, is being investigated under the IR program.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 117, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-117-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: radiological concerns and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 117 because no buildings are present.

Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require

TABLE 6-117-1

Summary of Data Gaps
NAS Alameda Parcel 117

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No buildings exist at Parcel 117.
Installation Restoration (IR) Sites	• IR Site 3 (Area 97) is located approximately 400 feet south of Parcel 117. Additional subsurface investigation relative to IR Site 3 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• Filled Wetlands
Potential Parcel-Specific Release Areas	• No potential parcel-specific release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-117-1

Summary of Data Gaps
NAS Alameda Parcel 117

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, and electrical lines identified. • No underground or aboveground fuel lines identified. • Steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. As discussed in the ZAP for this zone, potential pesticides releases are being evaluated at the four parcels (Parcels 116, 118, 120 and 121) most likely to be impacted, and zone-wide sampling for pesticides will only be conducted if these four parcels show elevated concentrations of pesticides. Therefore, no pesticide sampling has been proposed for Parcel 117.

Once the data gaps in Table 6-117-1 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 117 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. One zone-wide target area was identified for Parcel 117; however, no sampling has been proposed for this parcel. The zone-wide target area is described in detail in the Zone Analysis Plan for Zone 21.

- Zone 21 Target Area 1 (Filled Wetlands): No samples are currently proposed for this target area. Sampling in this target area is on hold pending the outcome of the Filled Wetlands sampling in Zone 16.

In addition, concerns pertaining to underground lines, radiological issues, and the impacts of the nearby IR sites must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

SECTION 6-118

PARCEL 118 EVALUATION PLAN

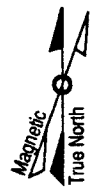
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 118 at NAS Alameda (Figure 6-118-1). The parcel, which is located in the central eastern portion of the base, is approximately 0.5 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. Three zone-wide target investigation areas (target areas) have been identified on Parcel 118. No parcel-specific target areas were identified. Surface soil sampling and subsurface Geoprobe soil sampling will be used to accomplish the screening-level investigation. Table 6-118-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 118, historical activities are discussed below.

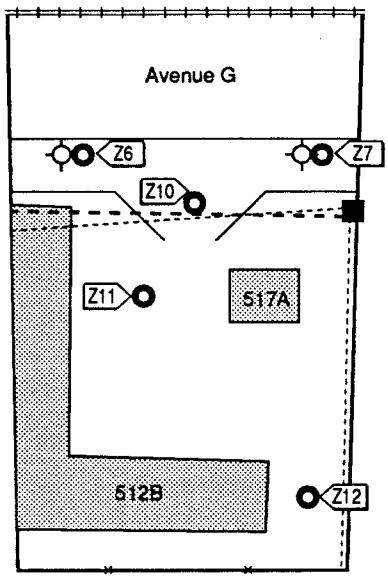
Background and Historical Activities

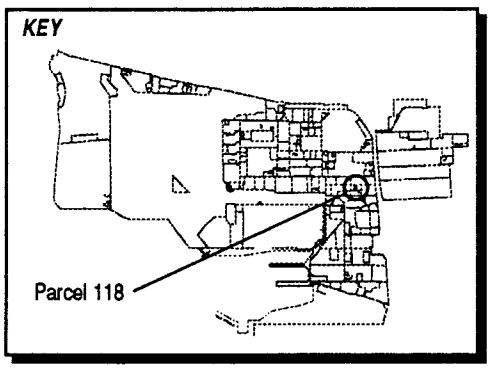
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 118 consistent with objective 1 identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

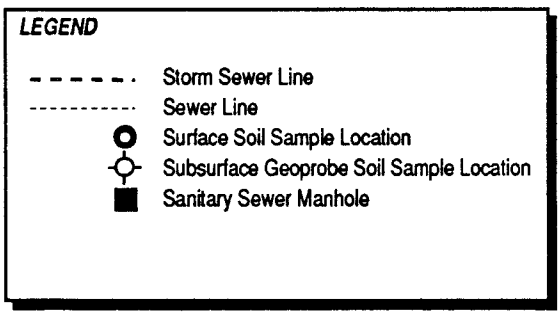
Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 102, 115, 116, 117, 119, 120, 121, 129, 130, 197, 208, and 209. This parcel zone has been designated the Naval Exchange Commercial Zone (Zone 21). The Naval Exchange Commercial Zone encompasses the parcels that have commercial retail activities. During the sampling program









1"= 60'

Figure 6-118-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/06.28.94

TABLE 6-118-1

Summary of Recommended Samples
NAS Alameda Parcel 118

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z21-6-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Zone 21 Target Area 3	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, EPA 8240, EPA 8270, ICAP Scan
Z21-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 3	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
Z21-7-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Zone 21 Target Area 3	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, EPA 8240, EPA 8270, ICAP Scan
Z21-7-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 3	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
Z21-7-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 21 Target Area 3	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, CLP RAS
Z21-10-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides	Pesticides	EPA 8080
Z21-11-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides	Pesticides	EPA 8080
Z21-12-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides	Pesticides	EPA 8080

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 21.

Parcel 118 originally consisted of marsh land and sloughs. Filling began in the area covered by this parcel in approximately 1930. The former Pacific Coast Oil Refinery (on Old Alameda Point--IR Site 13) was located nearby. Releases from the refinery may have impacted the wetlands at this parcel in the late 1800s and early 1900s. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, two buildings (Buildings 512B and 517A) cover approximately 30 percent of the parcel. The remaining 70 percent is open space. The parcel area is presently used to store gardening supplies and for vehicle parking and a roadway. Two buildings were formerly located on the parcel and have since been demolished. Sewer lines are present on this parcel and are shown on Figure 6-118-1.

Parcel 118 is located approximately 400 feet north of Installation Restoration (IR) Program Site 3 (Area 97). No previous investigations have been conducted at Parcel 118, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 512B

Building 512B was constructed around 1972 and serves as a storage space for garden equipment, pesticides, potting soil, manure, patio equipment, and pool supplies (Figure 6-118-1). This one-story building is in fair condition. Building 512B is constructed of wood and covers approximately 4,500 square feet. Utilities located within and immediately surrounding Building 512B include underground sanitary sewer and storm sewer lines.

It appears that Building 512B was always used to store and sell retail garden supplies. These supplies include pesticides. During the site

inspection, chlorine, and muriatic acid stored for resale were documented in Building 512B. Approximately 200 gallons of chlorine and muriatic acid are stored in Building 512B.

No spills are documented to have occurred in this building. Building 512B is not equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents have been documented to have occurred in this building. Building 512B is included in Zone 21 Target Area 4.

Building 517A

Building 517A was constructed around 1972 and serves as a storage space for garden equipment, and a small office space (Figure 6-118-1). This one-story building is in fair condition. Building 517A is constructed of wood and covers approximately 500 square feet. Utilities located within and immediately surrounding Building 517A include underground sanitary sewer, and storm sewer lines. It appears that Building 517A was always used to house retail garden supplies, including pesticides.

Lubricating oil and gasoline, and chemicals associated with gardening are documented to have been stored in and used at Building 517A during the site inspection in May 1994. Approximately 10 gallons of lube oil and gasoline, and other chemicals associated with gardening are stored in Building 517A.

No spills are documented to have occurred in this building. Building 517A is not equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents have been documented to have occurred in this building. Building 517A is included in Zone 21 Target Area 4.

Open Space

The open space covers approximately 70 percent of the parcel. The open space is completely paved. Approximately 90 percent of the paved area is surfaced with asphalt and 10 percent is covered with concrete. The pavement is generally in good condition.

Railroad tracks are located along the northern border of the parcel, but are considered to be part of Parcel 197. Buildings 120, and 121 were formerly located in this open space. Their use is unknown and they were demolished in 1970. Buildings 120 and 121 covered approximately 2,000 square feet each. Utilities located within and

immediately surrounding the open space include underground electrical, water, sanitary sewer, and storm sewer lines.

Aerial photographs indicate that a bunker was formerly located on this parcel. The types of materials stored and activities conducted at this structure are unknown. The bunker was demolished between 1966 and 1970.

Chemicals associated with garden equipment and pool equipment were stored in the open space during site inspection in May 1994. No spills are documented to have occurred in the open space. No other incidents are documented to have occurred within the open space. The open space between Buildings 512B and 517A (the Yard Area) is included in Zone 21 Target Area 4.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 118 is bounded by Parcels 197, 119, 120, and 116. Parcel 118 is located within 500 feet of IR Site 3 (Parcel 131). Potential subsurface chemical migration from IR Site 3 onto parcels located northwest of Parcel 131, including Parcel 118, is being investigated under the IR program.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 118, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-118-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites.

TABLE 6-118-2

Summary of Data Gaps
NAS Alameda Parcel 118

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 118.
Installation Restoration (IR) Sites	• IR Site 3 (Area 97) is located 400 feet south of Parcel 118. Additional subsurface investigation relative to IR Site 3 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• Filled Wetlands • Former Bunkers • Retail Garden Shops and Nurseries
Potential Parcel-Specific Release Areas	• No potential parcel-specific target areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-118-2

Summary of Data Gaps
NAS Alameda Parcel 118

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified. • No underground or aboveground fuel lines identified. • No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 118 because no industrial buildings are present.

Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. However, moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Because Buildings 512B and 517A have served as storage areas for pesticides, pesticide sampling has been proposed as a parcel-specific concern for Parcel 118.

Once the data gaps in Table 6-118-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 118 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains three zone-wide target areas. No parcel-specific target areas were identified on this parcel. This subsection of the PEP provides an overview of the zone-wide target areas. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 21. The nature and location of the zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Zone 21 Target Area 1 (Filled Wetlands): No samples are currently proposed for this target area. Sampling in this target area is on hold pending the outcome of the Filled Wetlands sampling in Zone 16.

- Zone 21 Target Area 3 (Former Bunkers): This target area includes the areas formerly containing bunkers on Parcels 115, 116, 118, and 119. The bunkers were present from approximately 1953 to 1970. Unknown containers and miscellaneous equipment were stored in the open space around the bunkers prior to 1966. No information is available regarding the activities occurring at these bunkers, or the chemicals/materials (if any) stored in these bunkers. However,

significant staining is visible in this area in the 1966 aerial photograph and surrounds the bunkers on the east and west sides. Two surface soil samples and two subsurface Geoprobe soil samples will be collected from Parcel 118; sample locations are shown on Figure 6-118-1. Because no information is available regarding the materials/chemicals stored in this area, the samples will be analyzed for VOCs, SVOCs, TPH, and metals. Samples to be collected in this Target Area are listed in Table 6-118-1.

- Zone 21 Target Area 4 (Retail Garden Shops and Nurseries): Because Buildings 512B and 517A have served as pesticide storage areas, this target area will be sampled for pesticides. Surface soil samples will be collected from under the asphalt paving as close as possible to the following locations: the pesticide delivery and storage area and any side doors. Three surface soil samples will be collected at Parcel 118 and analyzed for pesticides. Samples are shown on Figure 6-118-1 and are listed in Table 6-118-1.

Screening-Level Investigation

Two screening-level techniques will be employed to assess the conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14). Table 6-118-1 summarizes the screening-level sampling and analysis recommended for the target areas on Parcel 118. Seven surface soil and two subsurface Geoprobe soil samples will be collected from the locations shown on Figure 6-118-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in

Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-119

PARCEL 119 EVALUATION PLAN

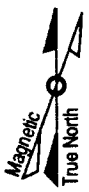
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 119 at NAS Alameda (Figure 6-119-1). The parcel, which is located in the central eastern portion of the base, is approximately 0.7 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. Two zone-wide target investigation areas (target areas) have been identified on Parcel 119; however, no zone-wide target area sampling is proposed for this parcel. No parcel-specific target areas have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 119, historical activities are discussed below.

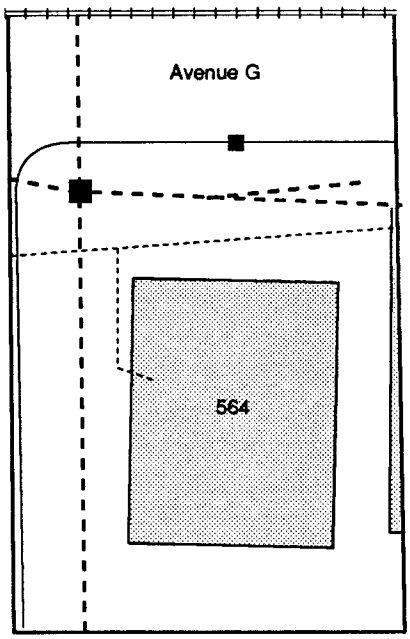
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 119 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 102, 115, 116, 117, 118, 120, 121, 129, 130, 197, 208, and 209. This parcel zone has been designated the Naval Exchange Commercial Zone (Zone 21). The Naval Exchange Commercial Zone encompasses the parcels that have commercial retail activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the





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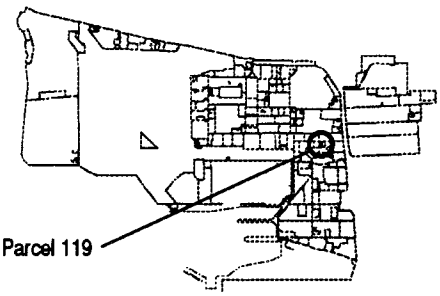


LEGEND

- Storm Sewer Line
- Sewer Line
- Sanitary Sewer Manhole
- Catch Basin

Note: No screening-level sampling recommended for this parcel.

1"= 60'

Figure 6-119-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/06.28.94

data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 21.

Parcel 119 originally consisted of marsh land and sloughs. Filling began in the area covered by this parcel in approximately 1930. The former Pacific Coast Oil Refinery (on Old Alameda Point--IR Site 13) was located nearby. Releases from the refinery may have impacted the wetlands at this parcel in the late 1800s and early 1900s. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 564) covers approximately 40 percent of the parcel. The remaining 60 percent is open space. The parcel area is presently in for vehicle parking and as a roadway. Two buildings were formerly located on the parcel and has since been demolished. Sewer lines are present on this parcel and are shown on figure 6-119-1.

Parcel 119 is located approximately 400 feet north of Installation Restoration (IR) Program Site 3 (Area 97). Subsurface contamination migration from IR Site 3, onto parcels located northwest of Area 97 is being investigated under the IR program. No previous investigations have been conducted at Parcel 119, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 564

Building 564 was constructed in 1953 and served as a liquor store (Figure 6-119-1). This one-story building is in poor condition and has been abandoned. Building 564 is constructed of wood and covers approximately 8,700 square feet.

Utilities located within and immediately surrounding Building 564 include underground sanitary sewer, storm sewer, water, and electrical lines.

Information collected during the EBS indicates that liquor retail activities were conducted within this building. No chemicals are

documented to have been stored in or used at Building 564. No spills are documented to have occurred in this building. Building 564 is not equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents are documented to have occurred within Building 564.

Open Space

The open space covers approximately 60 percent of the parcel. The open space is completely paved. Approximately 90 percent of the paved area is surfaced with asphalt and 10 percent is covered with concrete. The pavement is generally in good condition.

Railroad tracks are located along the northern border, but are considered to be part of Parcel 197. Building 119 and Building 120 (which was formerly located at the border of Parcels 118 and 119, and is also discussed in the PEP for Parcel 118) were formerly located in this open space. Their use is unknown, and they were demolished in 1970. Buildings 119 and 120 covered approximately 2,000 square feet each.

Aerial photographs indicate that a bunker was formerly located on this parcel. The types of materials stored and activities conducted at this structure are unknown. The bunker was demolished between 1966 and 1970.

Utilities located within and immediately surrounding the open space include underground electrical, water, sanitary sewer and storm sewer lines.

EBS information indicates that vehicle parking was conducted within this open space. No chemicals are documented to have been stored in or used at the open space. No spills or other incidents such as fire or flooding are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 119 is bounded by Parcels 111, 197, 121, 122, 120, and 118. There are no activities of concern on these adjacent parcels. Parcel 119 is located within 500 feet of Installation Restoration (IR) Program Site 3. Subsurface contamination migration from Parcel 131 (IR Site 3) onto parcels located northwest of Parcel 131, including Parcel 119 is being investigated under the IR program.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 119, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-119-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, radiological concerns and Installation Restoration sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 119 because no industrial buildings are present.

Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. As discussed in the ZAP for this zone, potential pesticides releases are being evaluated at the four parcels (Parcels 116, 118, 120 and 121) most likely to be impacted, and zone-wide sampling for pesticides will only be conducted if these four parcels show elevated concentrations of pesticides. Therefore, no pesticide sampling has been proposed for Parcel 119.

Once the data gaps in Table 6-119-1 are addressed and screening-level sampling results from the target areas described below are compared to

TABLE 6-119-1

Summary of Data Gaps
NAS Alameda Parcel 119

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 119.
Installation Restoration (IR) Sites	• IR Site 3 (Area 97) is located 400 feet south of Parcel 119. Additional subsurface investigation relative to IR Site 3 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• Filled Wetlands • Former Bunkers • Retail Garden Shops and Nurseries
Potential Parcel-Specific Release Areas	• No potential parcel-specific release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-119-1

Summary of Data Gaps
NAS Alameda Parcel 119

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
	• No underground or aboveground fuel lines identified.
	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

the appropriate screening levels, Parcel 119 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

No parcel-specific target areas were identified for this parcel. Two zone-wide target areas were identified for Parcel 119; however, no sampling has been proposed for this parcel. The zone-wide target areas are described in detail in the Zone Analysis Plan for Zone 21.

- Zone 21 Target Area 1 (Filled Wetlands): No samples are currently proposed for this target area. Sampling in this target area is on hold pending the outcome of the Filled Wetlands sampling in Zone 16.

- Zone 21 Target Area 3 (Former Bunkers): This target area includes the areas formerly containing bunkers on Parcels 115, 116, 118 and 119. No zone sampling is proposed for this parcel. All samples for this target area will be collected from Parcels 115, 116 and 118.

In addition, concerns pertaining to asbestos, lead-based paint, underground lines, radiological issues and the impacts of the nearby IR site must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Screening-Level Investigation

No Screening Level Investigation will be conducted at this parcel. However, results of the zone-wide sampling for Zone 21 and Zone 16 may indicate that follow-up sampling is required for Parcel 119.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize any of the following screening technologies: surface soil sampling (SOP 3), soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the

screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-120

PARCEL 120 EVALUATION PLAN

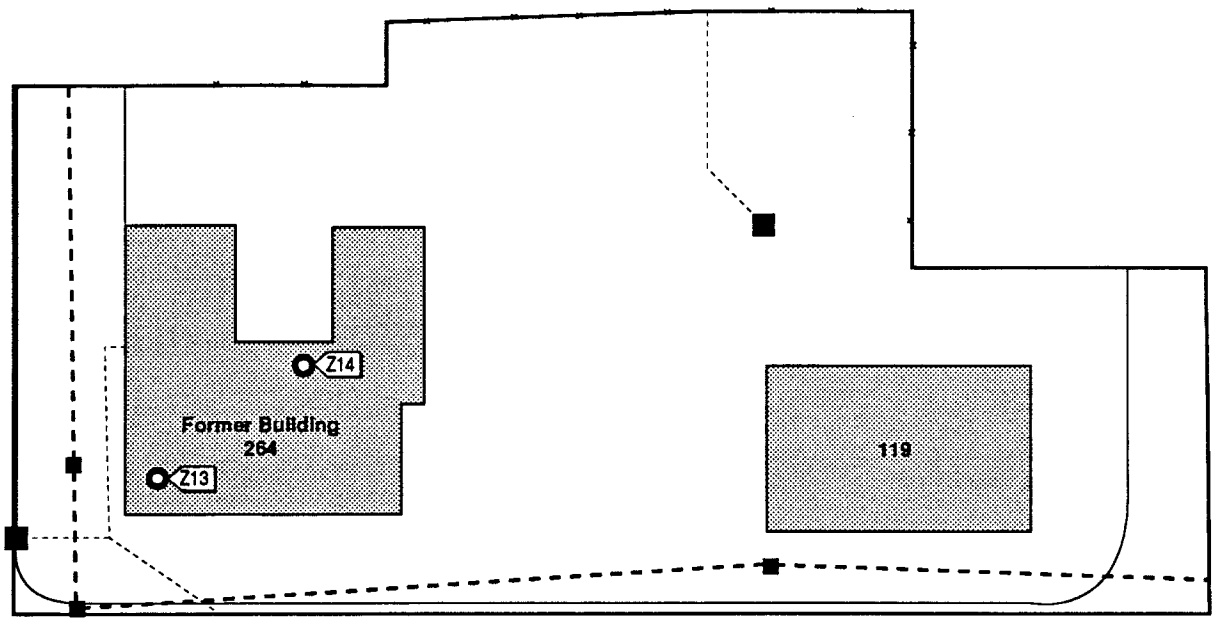
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 120 at NAS Alameda (Figure 6-120-1). The parcel, which is located in the central portion of the base, is 1.6 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel does not contain any RCRA units. Two zone-wide target investigation areas (target area) have been identified on Parcel 120. No parcel-specific target areas have been identified on this parcel. Surface soil sampling will be used to accomplish the screening-level investigation in these areas. Table 6-120-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 120, historical activities are discussed below.

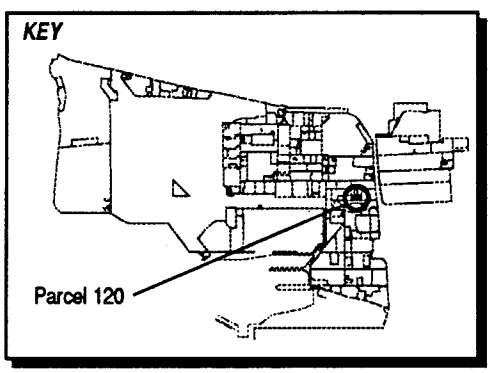
Background and Historical Activities

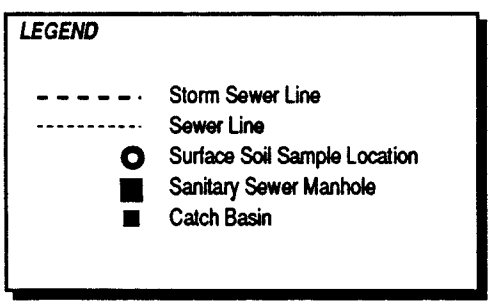
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 120, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 102, 115, 116, 117, 118, 119, 121, 129, 130, 197, 208, and 209. This parcel zone has been designated the Naval Exchange Commercial Zone (Zone 21). The Naval Exchange Commercial Zone encompasses the parcels that have commercial retail activities and businesses. During the sampling program development, the parcels located in this zone were considered







1"= 30'

Figure 6-120-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/AMR/06.28.94

TABLE 6-120-1

Summary of Recommended Samples
NAS Alameda Parcel 120

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
120-3-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Pesticides, Herbicides	Pesticides, Herbicides	CLP RAS
Z21-13-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides	Pesticides	EPA 8080
Z21-13-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides	Pesticides	CLP RAS
Z21-14-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides, Herbicides	Pesticides, Herbicides	CLP RAS

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

together. Thus, future data evaluation for each of these parcels should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis plan for Zone 21.

Parcel 120 originally consisted of marsh land and sloughs. Filling began in the area covered by this parcel in approximately 1930. The former Pacific Coast Oil Refinery (on Old Alameda Point - IR Site 13) was located nearby. Releases from the refinery may have impacted the wetlands at this parcel in the late 1800s and early 1900s. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 119, the McDonald's restaurant) covers approximately 10 percent of the parcel (this should not be confused with former Building 119, which was present on Parcel 119). The remainder (90 percent) is open space. The parcel area is presently used as a restaurant and associated vehicle parking. Two buildings, Building 264, an exchange service outlet, and Building 394 (unknown use), were formerly located on the parcel and have since been demolished. Sewer lines are present on this parcel and are shown on Figure 6-120-1.

Parcel 120 is located approximately 200 feet north of Installation Restoration (IR) Program Site 3 (Area 97). Subsurface contamination migration from Parcel 131 (IR Site 3) onto parcels located northwest of Parcel 131, including Parcel 120, is being investigated under the IR program. Specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 119

Building 119 was constructed in 1985 and serves as a McDonald's Restaurant (Figure 6-120-1). This building is generally in good condition. Building 119 is one-story building, is constructed of concrete and brick with a concrete and tile floor, and a tar-and-shingle construction roof. It covers approximately 4,700 square feet. The space occupied by Building 119 was formerly open space used for parking.

Information collected during the EBS indicates that activities conducted within Building 119 consist solely of restaurant activities Building 119 has apparently been used as a McDonald's Restaurant from 1985 to the present.

Utilities located within and immediately surrounding Building 119 include underground water, electrical, sanitary sewer and storm sewer lines. General cleaning agents are documented to have been stored in and used at Building 119 from 1985 to the present. Approximately 150 gallons total of sanitizers, degreaser, wood finish, plaster, paint, floor wax and powder bleach are stored in Building 119. No spills are documented to have occurred in Building 119.

Building 119 is equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents are documented to have occurred within Building 119.

Open Space

The open space at this parcel covers approximately 90 percent of the parcel. In general, the open space is used for parking. One structure, a dumpster enclosure (called a round-up), is located in the open space east of Building 119. The ground surface of the open space is completely paved. Most of the paved area (greater than 90 percent) is surfaced with asphalt and the remainder is covered with concrete. The pavement is generally in fair condition.

Building 264 was formerly located in this open space. It housed an exchange service outlet nursery (associated with the gardening shop on Parcel 121). It was demolished in 1992. Building 264 covered approximately 7,500 square feet (concerns relating to this buildings former presence are addressed under Target Area 1).

Building 394 was also formerly located in this open space. Its purpose is unknown and it was demolished in approximately 1960. Building 394 covered approximately 1,000 square feet.

Utilities located within and immediately surrounding the open space include underground water, electrical, sanitary sewer and storm sewer lines. No chemicals are documented to have been stored in the open space. No spills are documented to have occurred in the open space. There are no other incidents documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 120 is bounded by Parcels 116, 118, 119, 121, 122, 128, 129, 115, and 117. Parcel 131 (IR Site 3) is located to the south of Parcel 120. Activities of concern on these adjacent parcels include painting and paint stripping activities on Parcel 122. The concerns associated with these activities are addressed in the PEP for Parcel 122.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 120, consistent with the objectives outlined in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another category. The data gaps shown in Table 6-120-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently ongoing to address the following data gaps on this parcel: transformers, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines is also addressed separately. Sampling associated with sewers is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 120 because no industrial buildings are present.

Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. However, moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, pesticide sampling has been proposed as a parcel-specific concern for Parcel 120.

TABLE 6-120-2

Summary of Data Gaps
NAS Alameda Parcel 120

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 120.
Installation Restoration (IR) Sites	• IR Site 3 (Area 97) is located 200 feet south of Parcel 120. Additional subsurface investigation relative to IR Site 3 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• Filled Wetlands • Retail Garden Shops and Nurseries
Potential Parcel-Specific Release Areas	• No potential parcel-specific target areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-120-2

Summary of Data Gaps
NAS Alameda Parcel 120

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified. • No underground or aboveground fuel lines identified. • No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

SECTION 6-120

PARCEL 120 EVALUATION PLAN

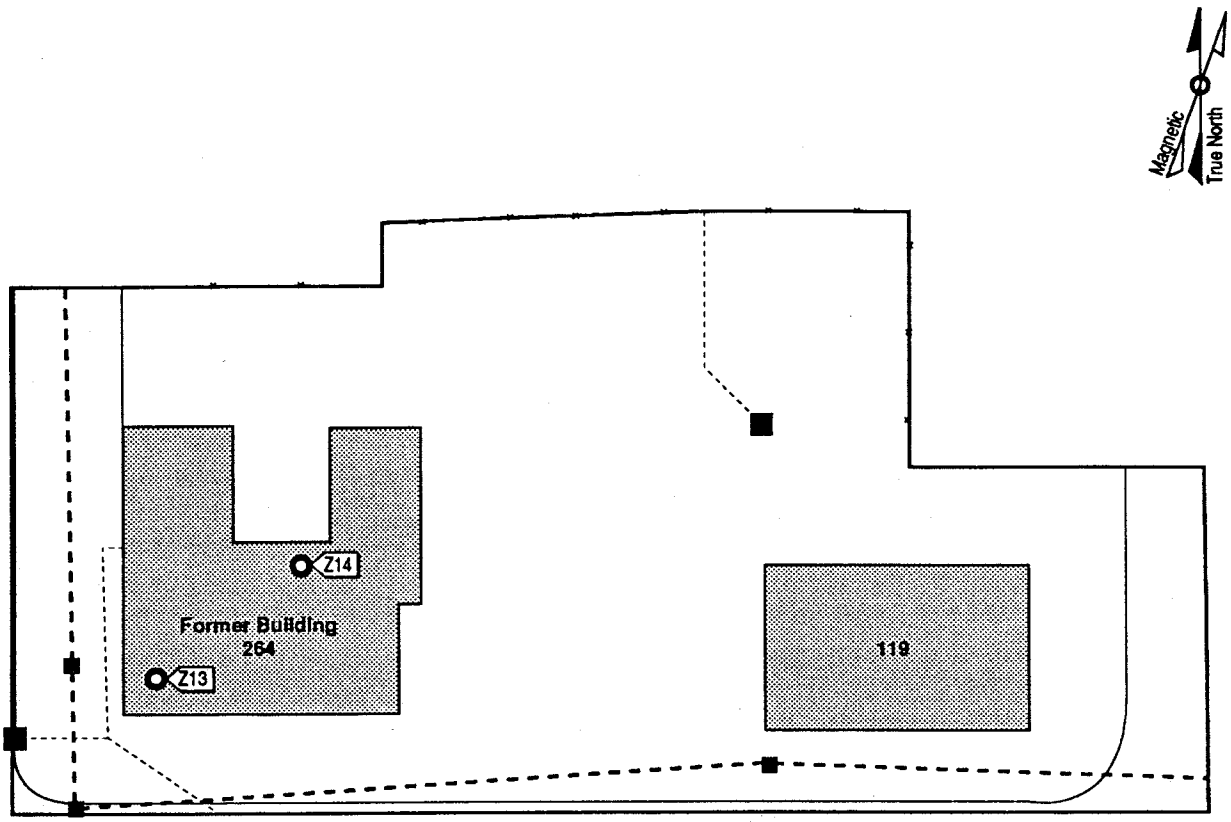
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 120 at NAS Alameda (Figure 6-120-1). The parcel, which is located in the central portion of the base, is 1.6 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel does not contain any RCRA units. Two zone-wide target investigation areas (target area) have been identified on Parcel 120. No parcel-specific target areas have been identified on this parcel. Surface soil sampling will be used to accomplish the screening-level investigation in these areas. Table 6-120-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 120, historical activities are discussed below.

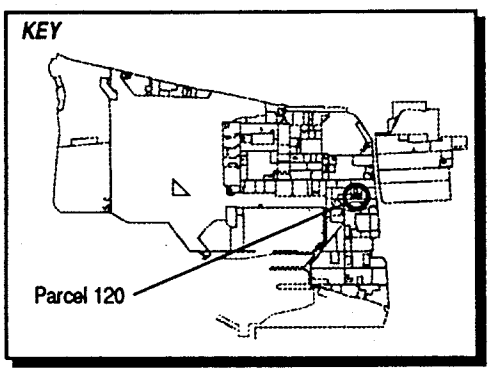
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 120, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 102, 115, 116, 117, 118, 119, 121, 129, 130, 197, 208, and 209. This parcel zone has been designated the Naval Exchange Commercial Zone (Zone 21). The Naval Exchange Commercial Zone encompasses the parcels that have commercial retail activities and businesses. During the sampling program development, the parcels located in this zone were considered





LEGEND

- Storm Sewer Line
- Sewer Line
- Surface Soil Sample Location
- Sanitary Sewer Manhole
- Catch Basin

1"= 30'

Figure 6-120-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/AMR/06.28.94

TABLE 6-120-1

Summary of Recommended Samples
NAS Alameda Parcel 120

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
120-3-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Pesticides, Herbicides	Pesticides, Herbicides	CLP RAS
Z21-13-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides	Pesticides	EPA 8080
Z21-13-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides	Pesticides	CLP RAS
Z21-14-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Zone 21 Target Area 4	Pesticides, Herbicides	Pesticides, Herbicides	CLP RAS

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

together. Thus, future data evaluation for each of these parcels should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis plan for Zone 21.

Parcel 120 originally consisted of marsh land and sloughs. Filling began in the area covered by this parcel in approximately 1930. The former Pacific Coast Oil Refinery (on Old Alameda Point - IR Site 13) was located nearby. Releases from the refinery may have impacted the wetlands at this parcel in the late 1800s and early 1900s. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 119, the McDonald's restaurant) covers approximately 10 percent of the parcel (this should not be confused with former Building 119, which was present on Parcel 119). The remainder (90 percent) is open space. The parcel area is presently used as a restaurant and associated vehicle parking. Two buildings, Building 264, an exchange service outlet, and Building 394 (unknown use), were formerly located on the parcel and have since been demolished. Sewer lines are present on this parcel and are shown on Figure 6-120-1.

Parcel 120 is located approximately 200 feet north of Installation Restoration (IR) Program Site 3 (Area 97). Subsurface contamination migration from Parcel 131 (IR Site 3) onto parcels located northwest of Parcel 131, including Parcel 120, is being investigated under the IR program. Specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 119

Building 119 was constructed in 1985 and serves as a McDonald's Restaurant (Figure 6-120-1). This building is generally in good condition. Building 119 is one-story building, is constructed of concrete and brick with a concrete and tile floor, and a tar-and-shingle construction roof. It covers approximately 4,700 square feet. The space occupied by Building 119 was formerly open space used for parking.

Information collected during the EBS indicates that activities conducted within Building 119 consist solely of restaurant activities Building 119 has apparently been used as a McDonald's Restaurant from 1985 to the present.

Utilities located within and immediately surrounding Building 119 include underground water, electrical, sanitary sewer and storm sewer lines. General cleaning agents are documented to have been stored in and used at Building 119 from 1985 to the present. Approximately 150 gallons total of sanitizers, degreaser, wood finish, plaster, paint, floor wax and powder bleach are stored in Building 119. No spills are documented to have occurred in Building 119.

Building 119 is equipped with a heating-ventilation-air conditioning (HVAC) system. No other incidents are documented to have occurred within Building 119.

Open Space

The open space at this parcel covers approximately 90 percent of the parcel. In general, the open space is used for parking. One structure, a dumpster enclosure (called a round-up), is located in the open space east of Building 119. The ground surface of the open space is completely paved. Most of the paved area (greater than 90 percent) is surfaced with asphalt and the remainder is covered with concrete. The pavement is generally in fair condition.

Building 264 was formerly located in this open space. It housed an exchange service outlet nursery (associated with the gardening shop on Parcel 121). It was demolished in 1992. Building 264 covered approximately 7,500 square feet (concerns relating to this buildings former presence are addressed under Target Area 1).

Building 394 was also formerly located in this open space. Its purpose is unknown and it was demolished in approximately 1960. Building 394 covered approximately 1,000 square feet.

Utilities located within and immediately surrounding the open space include underground water, electrical, sanitary sewer and storm sewer lines. No chemicals are documented to have been stored in the open space. No spills are documented to have occurred in the open space. There are no other incidents documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 120 is bounded by Parcels 116, 118, 119, 121, 122, 128, 129, 115, and 117. Parcel 131 (IR Site 3) is located to the south of Parcel 120. Activities of concern on these adjacent parcels include painting and paint stripping activities on Parcel 122. The concerns associated with these activities are addressed in the PEP for Parcel 122.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 120, consistent with the objectives outlined in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another category. The data gaps shown in Table 6-120-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently ongoing to address the following data gaps on this parcel: transformers, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines is also addressed separately. Sampling associated with sewers is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 120 because no industrial buildings are present.

Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. However, moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, pesticide sampling has been proposed as a parcel-specific concern for Parcel 120.

TABLE 6-120-2

Summary of Data Gaps
NAS Alameda Parcel 120

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 120.
Installation Restoration (IR) Sites	• IR Site 3 (Area 97) is located 200 feet south of Parcel 120. Additional subsurface investigation relative to IR Site 3 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• Filled Wetlands • Retail Garden Shops and Nurseries
Potential Parcel-Specific Release Areas	• No potential parcel-specific target areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-120-2

Summary of Data Gaps
NAS Alameda Parcel 120

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified. • No underground or aboveground fuel lines identified. • No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Once the data gaps in Table 6-120-2 are addressed and screening-level sampling results from the target areas described below are compared to PRGs and background concentrations, Parcel 120 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Parcel 120 is contained in two zone-wide target areas. No parcel-specific target areas have been identified at this parcel. This subsection of the PEP discusses the specific parcel target area and provides an overview of the zone-wide target area. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 21. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Zone 21 Target Area 1 (Filled Wetlands): No samples are currently proposed for this target area. Sampling in this target area is on hold pending the outcome of the Filled Wetlands sampling in Zone 16.

- Zone 21 Target Area 4 (Retail Garden Shops and Nurseries): Former Building 264 was a nursery, and pesticides may have been used or stored here. The likelihood of environmental impact having occurred within this target area classified as suspect. Two surface soil samples will be collected from the building's former location and are shown on Figure 6-120-1 and are listed in Table-6-120-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level investigation technique that will be used to assess conditions in the zone-wide target areas and to identify areas that may require further sampling in the follow up detailed evaluation phase. Table 6-120-1 summarizes the screening-level sampling and analysis recommended for the parcel's target area. Two surface soil samples will be collected from the former location of Building 264 and analyzed for pesticides. The sample locations are shown on Figure 6-120-1. Sampling will be conducted in accordance with the referenced SOP in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization, if required, may utilize the screening technology discussed above at a sampling higher density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-121

PARCEL 121 EVALUATION PLAN

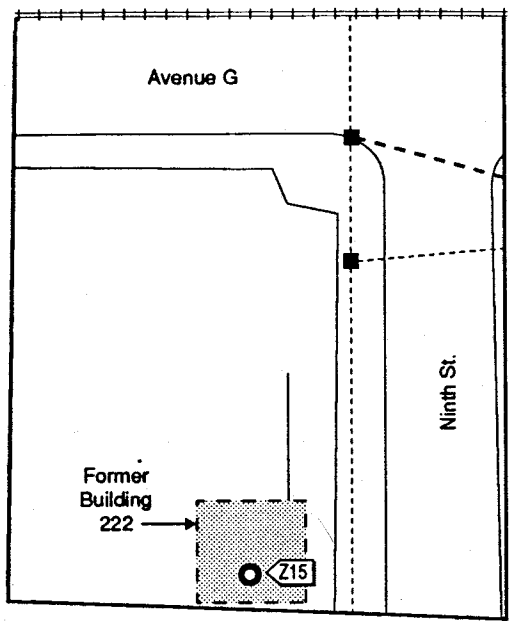
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 121 at NAS Alameda (Figure 6-121-1). The parcel, which is located in the eastern central portion of the base, is approximately 0.8 acres in size and is roughly square in shape. The parcel has been classified as requiring a low level of effort to meet the sampling objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. Three zone-wide target investigation areas (target areas) have been identified on Parcel 121. No parcel-specific target areas have been identified. The sampling procedures called for in the screening-level investigation in these areas is surface soil sampling. Table 6-121-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 121, historical activities are discussed below.

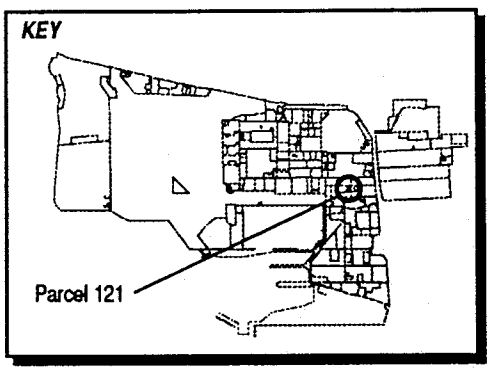
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 121 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 102, 115, 116, 117, 118, 119, 120, 129, 130, 197, 208, and 209. This parcel zone has been designated the Naval Exchange Commercial Zone (Zone 21). The Naval Exchange Commercial Zone encompasses the parcels that have commercial retail activities. During the sampling program





LEGEND

- Storm Sewer Line
- Sewer Line
- Surface Soil Sample Location
- Sanitary Sewer Manhole
- Catch Basin

1"= 60'

Figure 6-121-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/06.28.94

TABLE 6-121-1

Summary of Recommended Samples
NAS Alameda Parcel 121

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z21-15-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Pesticides, Herbicides	Pesticides, Herbicides	CLP RAS
Z21-15-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 1	Pesticides, Herbicides	Pesticides, Herbicides	CLP RAS

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 21.

Parcel 121 originally consisted of marsh land and sloughs. Filling began in the area covered by this parcel in approximately 1930. The former Pacific Coast Oil Refinery (on Old Alameda Point--IR Site 13) was located nearby. Releases from the refinery may have impacted the wetlands at this parcel in the late 1800s and early 1900s. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, the parcel consists entirely of open space. In general, the parcel area is presently in use as an automobile parking lot. One building, Building 222, a garden shop, was formerly located on the parcel and has since been demolished. Sewer lines are present on this parcel and are shown on Figure 6-121-1.

Parcel 121 is located 500 feet northwest of Installation Restoration (IR) Program Site 3 (Area 97). Subsurface contamination migration from Parcel 131 (IR Site 3) onto parcels located northwest of Parcel 131 is being investigated under the IR program.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Open Space

The parcel open space has been used for automobile parking, sidewalks and roadways. Utilities located within and immediately surrounding open space include underground electrical, water, sanitary sewer, and storm sewer lines. Building 222 was formerly located in this open space. It housed a garden shop and was demolished by 1966. Building 222 covered approximately 5,000 square feet. Pesticides are likely to have been stored, handled and used here. Railroad tracks are present along the northern border of the parcel.

No chemicals are documented to have been stored or used Parcel 121. No spills are documented in existing files for this open space. No other incidents are documented to have occurred at this parcel.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 121 is bounded by Parcels 111, 123, 122, 120, 119, and 197. Parcel 131 is identified as IR Site 3 and is located 500 feet southeast of Parcel 121 (Area 97). Railroad tracks border the north side of the parcel. Activities of concern on these adjacent parcels include painting operations on Parcel 122, and vehicle maintenance and accumulation of recyclable scrap metal on Parcel 123.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 121, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-121-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: radiological concerns and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 121 because no buildings are present.

Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. However, moderate-

TABLE 6-121-2

Summary of Data Gaps
NAS Alameda Parcel 121

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No buildings exist at Parcel 121.
Installation Restoration (IR) Sites	• IR Site 3 (Area 97) is located 500 feet southeast of Parcel 121. Additional subsurface investigation relative to IR Site 3 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• Filled Wetlands • Railroad Tracks • Retail Garden Shops and Nurseries
Potential Parcel-Specific Release Areas	• No potential parcel-specific target areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-121-2

Summary of Data Gaps
NAS Alameda Parcel 121

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified. • No underground or aboveground fuel lines identified. • No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, pesticide sampling has been proposed as a parcel-specific concern for Parcel 121.

Once the data gaps in Table 6-121-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 121 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Three zone-wide target investigation areas (target areas) have been identified on this parcel. No parcel-specific target areas have been identified for this parcel. This subsection of the PEP discusses the specific parcel target areas and provides an overview of the zone-wide target areas. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 21. The nature and location of the zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Zone 21 Target Area 1 (Filled Wetlands): No samples are currently proposed for this target area. Sampling in this target area is on hold pending the outcome of the Filled Wetlands sampling in Zone 16.

- Zone 21 Target Area 2 (Railroad Tracks): Zone 21 Target Area 2 includes all current or former railroad tracks within the Naval Exchange Commercial Zone. The railroad tracks located near the southern boundary of Parcel 121 (Figure 6-121-1) are part of this zone-wide target area. However, the sample proposed to be collected from this zone-wide target area is located on Parcel 197.

- Zone 21 Target Area 4 (Retail Garden Shops and Nurseries): On Parcel 121, this target area is located around the former location of Building 222. The compounds of concern within this target area are pesticides. One surface soil sample will be collected from beneath the existing pavement. The sample to be collected in this target area is listed in Table-6-121-1 and shown on Figure 6-121-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level investigation technique that will be used to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

Table 6-121-1 summarizes the screening-level sampling and analysis recommended Parcel 121. One surface soil sample will be collected from the location shown on Figure 6-121-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization, if required, may utilize the screening technology discussed above at a higher density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-129

PARCEL 129 EVALUATION PLAN

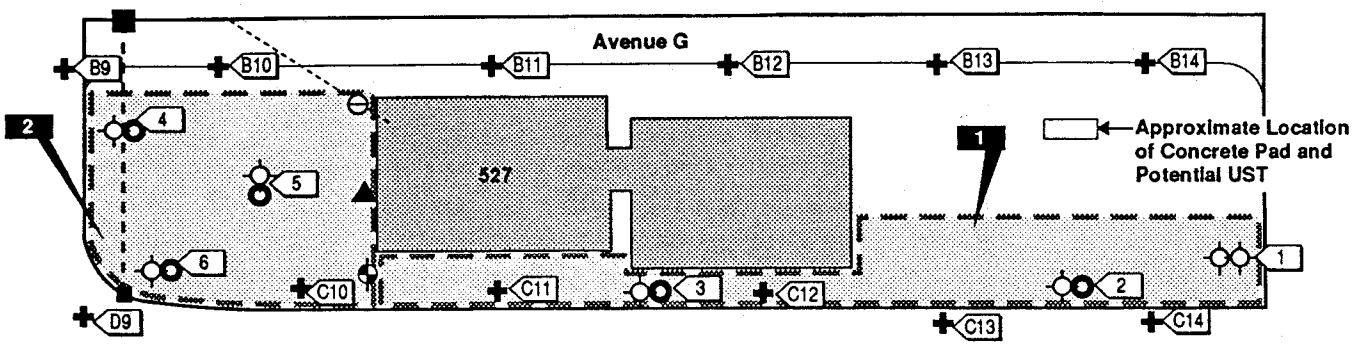
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 129 at NAS Alameda (Figure 6-129-1). The parcel, which is located in the east-central portion of the base, is approximately two acres in size and is rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. Two parcel-specific target investigation areas (target areas) and one zone-wide target area have been identified on Parcel 129. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface Geoprobe soil sampling. Table 6-129-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment guidance. To provide a basis for the proposed investigation of Parcel 129, historical activities are discussed below.

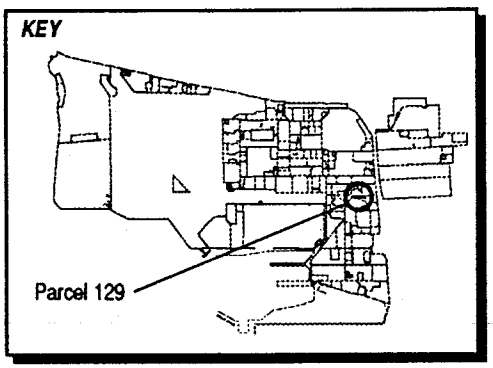
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 129, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration (IR) Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 102, 115, 116, 117, 118, 119, 120, 121, 130, 197, 208, and 209. This parcel zone has been designated the Naval Exchange Commercial Zone (Zone 21). The Naval Exchange Commercial Zone encompasses the parcels that have consumer stores and services, including a credit union and





1990 Canonie Soil Vapor Survey Results
Maximum Soil Vapor Concentrations (µg/L)

Location	Benzene	Toluene	Ethylbenzene	Xylenes	Hydrocarbons
B5	0.3	0.2	<0.05	<0.06	8
B6	2	12	<0.05	<0.06	34
B7	8,900	22,000	<50	<57	190,000
B8	9,150	23,626	<50	<57	200,000
B9	22,000	24,000	<50	<57	248,000
C5	26,000	47,000	420	64	230,000
C6	36,000	29,000	500	22	400,000
C7	25,000	34,000	56	48	540,000
C8	47,000	26,000	<56	<64	960,000
D6	17,000	31,000	42	100	160,000
D7	29,000	51,000	56	64	660,000
D8	9,200	13,000	<52	<60	163,000
D9	73,000	29,000	1,000	440	810,000

LEGEND

- Target Areas 1 & 2
- Storm Sewer Line
- Sewer Line
- Subsurface Geoprobe Sample Location
- Surface Soil Sample Location
- Previous Monitoring Well Location *(Kennedy, 1980)*
- Previous Soil Vapor Survey Location *(Canonie, 1990)*
- Proposed CPT/Hydropunch Location *(PRC)*
- Proposed Boring Location *(PRC)*
- Sanitary Sewer Manhole
- Catch Basin

1"= 90'

Figure 6-129-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/06.28.94

TABLE 6-129-1

Summary of Recommended Samples
NAS Alameda Parcel 129

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
129-1-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, EPA 8240, EPA 8270, ICAP Scan
129-1-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 1	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, CLP RAS
129-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
129-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, CLP RAS
129-2-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, CLP RAS
129-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, CLP RAS
129-3-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, CLP RAS
129-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, CLP RAS
129-4-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, EPA 8240, EPA 8270, ICAP Scan
129-4-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 2	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, CLP RAS
129-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
129-4-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 2	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, CLP RAS
129-5-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, CLP RAS
129-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, CLP RAS
129-6-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, CLP RAS
129-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, CLP RAS

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

McDonald's restaurant. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should also consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 21.

Parcel 129 originally consisted of marsh land and sloughs. Filling began in the area covered by this parcel in approximately 1930. The former Pacific Coast Oil Refinery (on Old Alameda Point - IR Site 13) was located nearby. Releases from the refinery may have impacted the wetlands at this parcel in the late 1800s and early 1900s. The area within the parcel boundary was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 527) covers approximately 10 percent of the parcel. The remaining 90 percent is open space. The parcel area is presently in use as a vehicle parking area and a credit union. No other buildings or structures were formerly located on this parcel. Underground storm and sanitary sewer lines are present on this parcel and are shown in Figure 6-129-1.

Parcel 129 is located immediately north of Installation Restoration (IR) Program Site 3 (Area 97, the Abandoned Fuel Storage Area). Previous investigations have been conducted at Parcel 129 and specific data regarding chemical occurrence are available.

A soil vapor survey was conducted by Canonie in 1990 to determine the extent of petroleum hydrocarbons in soil from fuel releases at IR Site 3 (Figure 6-129-1). Soil vapor was analyzed for benzene, toluene, ethyl benzene, xylenes, and petroleum hydrocarbons. The maximum soil vapor concentrations of benzene and hydrocarbons along the south side of Avenue G were 0.3 µg/L and 9,000 µg/L, respectively. The soil vapor concentrations of benzene and hydrocarbons immediately southwest of Parcel 129 were 73,000 µg/L and 810,000 µg/L, respectively. The soil vapor concentrations of benzene and hydrocarbons immediately southwest of the northwest parcel corner were 22,000 µg/L and 248,000 µg/L, respectively. The soil vapor benzene concentrations west of Building 527 ranged from less than 1 µg/L to more than 25,000 µg/L near the western parcel boundary.

Based on these data, it appears that the bulk of the volatile compound plume is passing along the western edge of Parcel 129, but that is not currently present underneath Building 527. However, less volatile constituents may be present in the immediate vicinity of Building 527. A soil sample (Kennedy, 1980) taken near the southwest corner of the contained AVGAS at a concentration of 9,200 ppm. Proposed follow-

on activities related to IR Site 3 include additional CPT/Hydropunch and boring locations in Parcel 129 to better define the extent of contamination.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 527

Building 527 was constructed between 1966 and 1970 and has served as a credit union (Figure 6-129-1) since that time. This one-story building is constructed of wood, brick, and concrete, and covers approximately 8,400 square feet. The eastern half of Building 527 was added between 1975 and 1981. The roof was not inspected during the site inspection. The space occupied by Building 527 was formerly open space used as a vehicle parking area, a roadway, and a storage area for unknown materials.

Approximately 30 gallons of typical commercial chemicals, such as paint, varnish, insect spray, herbicide, shredder oil, and demagnetizing liquid, are stored in Building 527. Disposal practices are unknown. There have not been any documented spills in Building 527. Utilities located within Building 527 include underground sanitary sewer, water, and electrical lines.

Between 1978 and 1983, the occupants of Building 527 were evacuated several times due to elevated gasoline vapor concentrations. The gasoline vapors were identified to be a consequence of the fuel released into the sewer system by the former tanks in Parcel 131 (IR Site 3). No other incidents are documented to have occurred on Parcel 131.

Open Space

The open space covers approximately 90 percent of Parcel 129. The open space is completely paved, except for a small buffer of vegetation and bare soil around Building 527. Approximately 95 percent of the paved area is surfaced with asphalt and five percent is covered with concrete. The pavement is generally in good condition. The open space has been used primarily for vehicle parking since approximately 1963. Prior to this time, the parcel was used for the

storage of unknown materials. A portion of the parcel area was previously unpaved.

Utilities located within the open space include underground sanitary sewer, storm sewer, and electrical lines. Two pad-mounted transformers are located near the north side of Building 527. One PCB-containing transformer (No. 70PE9521, greater than 50 ppm PCBs) was removed in 1985. According to EBS information, at least one of the transformers currently located on the north side of the building was sampled in 1993. Sample results are unknown. No chemicals are documented to have been stored in the open space.

A concrete pad located east of Building 527 in the vehicle parking area indicates that an underground storage tank may be present. A two feet by two feet access plate is located in the center of this concrete pad, which is approximately 8 feet by 20 feet in size.

Although no documented spills have occurred in the open space, staining in a 1953 aerial photograph indicates that spills may have occurred in the open space east of Building 527. The staining appears to cover bare soil and impacts an area measuring approximately 40 feet by 400 feet (this staining is addressed by Target Area 1). A 1947 aerial photograph indicates that the western half of the parcel was used as a storage area for unknown materials. Staining around the materials indicates that releases may have occurred (this staining is addressed by Target Area 2). Currently, only typical vehicle parking stains are present in the open space.

No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

As noted above, one underground storage tank may be present at this parcel. Although there is no documentation to suggest underground storage tanks (USTs) are present on Parcel 129, site inspection data indicate that an underground storage tank may be located underneath the concrete slab in the parking area east of Building 527.

Parcel Boundary Conditions

Parcel 129 is bounded by Parcels 115, 120, 128, 130, 131, and 209. Parcel 131 is IR Site 3 (Area 97, Abandoned Fuel Storage Area). Over 300,000 gallons of AVGAS were reportedly released from fuel tanks located on Parcel 131 in the 1960s and early 1970s, impacting the

surrounding sanitary and storm sewers. The extent of soil and groundwater contamination has not yet been fully defined.

Parcel Reclassification and Data Gaps Summary

The available information suggests that this parcel may tentatively be reclassified from BRAC Category 7 to BRAC Category 6. Based on the impacts identified at IR Site 3, some remediation is likely to be required before this parcel may be transferred. While this parcel was reclassified because it has been impacted by an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-129-2 must be addressed before the parcel can be leased or transferred.

As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, radiological concerns, and Installation Restoration Sites. Sampling associated with USTs and sewers is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 129 because no industrial buildings are present.

As noted earlier, Parcel 129 previously had open space areas that were unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. As discussed in the ZAP for this zone, potential pesticides releases are being evaluated at the four parcels (Parcels 116, 118, 120 and 121) most likely to be impacted, and zone-wide sampling for pesticides will only be conducted if these four parcels show elevated concentrations of pesticides. Therefore, no pesticide sampling has been proposed for Parcel 129.

Once the data gaps in Table 6-129-2 are addressed, screening-level sampling results from the target areas described below are compared to the appropriate screening levels, and an appropriate level of

TABLE 6-129-2

Summary of Data Gaps
NAS Alameda Parcel 129

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 129.
Installation Restoration (IR) Sites	• IR Site 3 (Area 97) is located directly south of Parcel 129. Additional subsurface investigation relative to IR Site 3 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• Filled Wetlands
Potential Parcel-Specific Release Areas	• Target Area 1 (Open Space East and South of Building 527) • Target Area 2 (Open Space West of Building 527)
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• One UST is potentially located east of Building 527. A large concrete pad with a metal access plate was observed in this area.

TABLE 6-129-2

Summary of Data Gaps
NAS Alameda Parcel 129

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, natural gas, and water lines identified. • No underground or aboveground fuel lines identified. • No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

remediation has been carried out, Parcel 129 may be reclassified from BRAC Category 6 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains two parcel-specific target areas and is also contained in a zone-wide target area. This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target area. No zone-wide sampling is proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 21. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Open Space East and South of Building 527): Although this area has been used primarily for vehicle parking, staining in a 1953 aerial photograph indicates that releases may have occurred. The source of the staining is unknown. This target area covers approximately 16,000 square feet and has been classified as having a potential likelihood of impacts. Because the compounds of concern potentially released at this target area are unknown, the samples collected will be analyzed for TPH, SVOCs, VOCs, and metals. Three shallow soil and three subsurface soil samples will be collected in this target area. The samples are shown on Figure 6-129-1 and listed in Table-6-129-1.

- Target Area 2 (Open Space West of Building 527): Staining and material storage observed in a 1947 aerial photograph indicate that releases may have occurred. The staining and equipment storage occurred in rows parallel with the southern parcel boundary. The ground cover appears to have been bare soil. This target area covers approximately 12,000 square feet and has been classified as having a potential likelihood of impacts. Because the compounds of concern potentially released at this target area are unknown, the samples collected will be analyzed for TPH, SVOCs, VOCs, and metals. Three shallow soil and three subsurface soil samples will be collected in this target area. The samples are shown on Figure 6-129-1 and listed in Table-6-129-1.

- Zone 21 Target Area 1 (Filled Wetlands): No samples are currently proposed for this target area. Sampling in this target area is on hold pending the outcome of the Filled Wetlands sampling in Zone 16.

Screening-Level Investigation

Two screening-level techniques, surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14), will be employed to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-129-1 summarizes screening-level sampling and analysis for the parcel's target areas. Six surface soil samples and six subsurface Geoprobe soil samples will be collected from the locations shown on Figure 6-129-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Sample frequency for Target Areas 1 and 2 is much lower than that indicated by the protocol. This is due to the large area of both target areas, and since investigations have been previously conducted and currently are ongoing in these areas as part of the IR program. To avoid redundancy, any target area sampling on this parcel must be coordinated with sampling to be conducted under the IR program.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), Hydropunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-130

PARCEL 130 EVALUATION PLAN

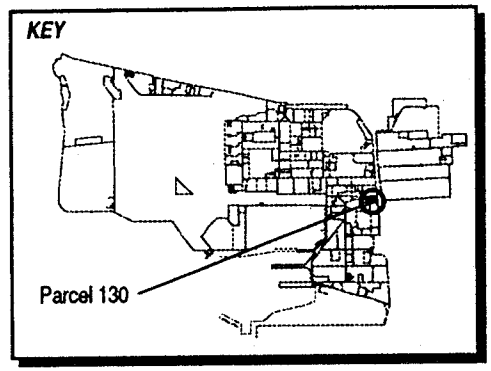
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 130 at NAS Alameda (Figure 6-130-1). The parcel, which is located in the east-central portion of the base, is three acres in size and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific target investigation areas (target areas) and two zone-wide target areas have been identified on this parcel; however, no zone-wide target area sampling is proposed for this parcel. This parcel-specific evaluation plan has been prepared in accordance with the Preliminary Endangerment Assessment guidance. To provide a basis for the proposed investigation of Parcel 130, historical activities are discussed below.

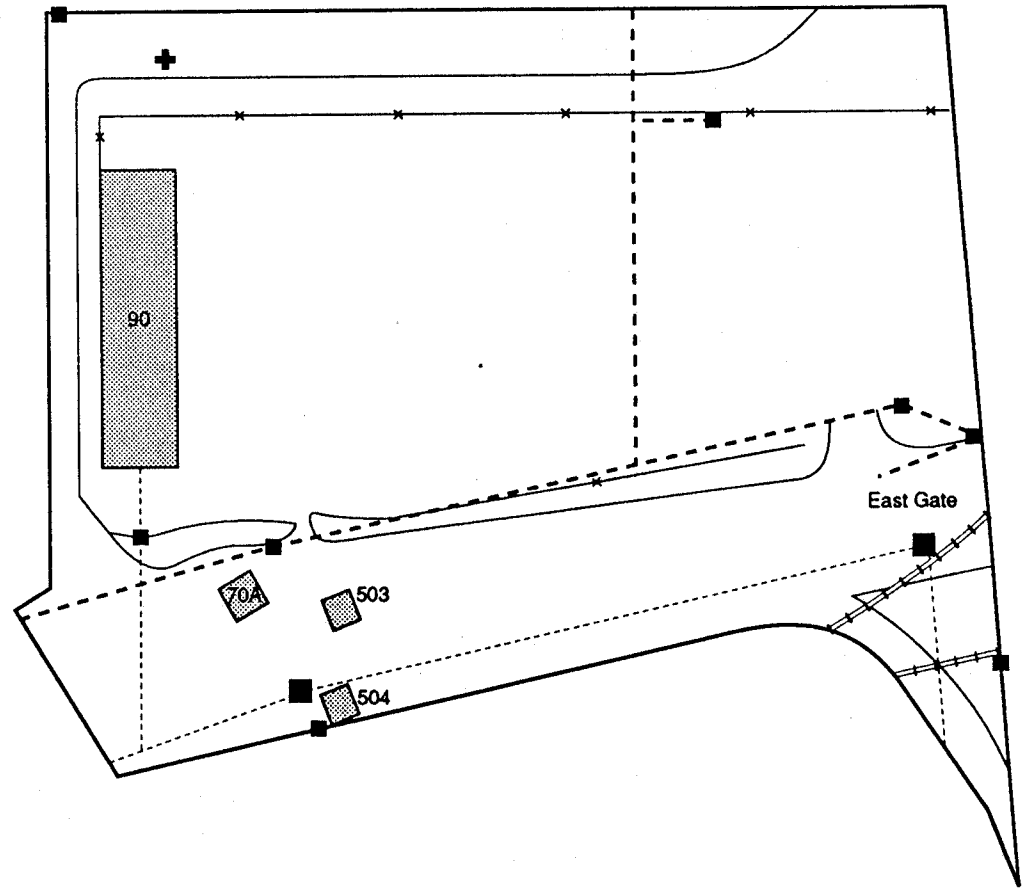
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 130, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies IR sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 102, 115, 116, 117, 118, 119, 120, 121, 129, 197, 208, and 209. This parcel zone has been designated the Naval Exchange Commercial Zone (Zone 21). The Naval Exchange Commercial Zone encompasses the parcels that have commercial retail activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should also consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 21.





LEGEND

- Storm Sewer Line
- Sewer Line
- Soil Vapor Sample Location (Canonie, 1990)
- Sanitary Sewer Manhole
- Catch Basin

Note: No screening-level sampling recommended for this parcel.

1"= 90'

Figure 6-130-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94A

Parcel 130 originally consisted of marsh land and sloughs. Filling began in the area covered by this parcel in approximately 1930. The former Pacific Coast Oil Refinery (on Old Alameda Point--IR Site 13) was located nearby. Releases from the refinery may have impacted the wetlands at this parcel in the late 1800s and early 1900s. The area within the parcel boundary was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, four buildings (Buildings 70A, 90, 503 and 504) cover approximately five percent of the parcel. The remaining 95 percent is open space. The parcel area is presently in use as a vehicle parking area. One building (Building 70B) was formerly located on the parcel and has since been demolished. Underground sewer lines are present on this parcel and are shown on Figure 6-130-1.

Parcel 130 is located adjacent to (directly east of) Installation Restoration (IR) Program Site 3 (Area 97, the Abandoned Fuel Storage Area). One soil vapor sample from a previous investigation related to IR Site 3 is the only data regarding chemical occurrence at Parcel 130. The soil vapor sample was analyzed for benzene, toluene, ethylbenzene, and xylene. All four of these compounds were present at concentrations of less than 0.1 µg/L. Based on the available information, the plume associated with IR Site 3 is moving generally northwest, so that Parcel 130 may be located sidegradient to the area of concern.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 90

Building 90 was constructed in 1938 and serves as an administrative and recruiting office (Figure 6-130-1). This building is in moderately good condition. Building 90 is constructed of wood with a tile floor and a tar paper shingled roof. The building covers approximately 5,000 square feet. Utilities located within and immediately surrounding Building 90 include underground sanitary sewer, storm sewer, and electrical lines. It appears Building 90 has served as an administrative office for recruitment since its construction.

Insecticides, paints, and cleaning supplies are documented to have been stored and used in the janitorial room of Building 90 and under a stairway

at the north end of Building 90. Approximately 20 gallons of allethrin, resmethrin, paints, and cleaning solvents are stored in Building 90. Disposal methods are unknown. No documented spills have occurred in Building 90.

Building 503

Building 503 is a concrete guard shack that covers 20 square feet. Building 503 was constructed in 1965.

Building 504

Building 504 is a metal guard shack that covers 20 square feet. Building 504 was constructed in 1965.

Building 70A

Building 70A was constructed in 1941 and has always been used as a gate/sentry house. This 80-square foot building is constructed entirely of concrete. No chemical storage or use has occurred on this site. Site inspection data indicate that oily stains cover most of the southeast portion of the building.

Building 70B (Demolished)

Building 70B was constructed in 1941 and was demolished in 1965. It was used as a gate/sentry house.

Open Space

The open space covers approximately 95 percent of Parcel 130. The open space appears to always have been used for vehicle parking. The open space is 50 percent paved with asphalt and 50 percent unpaved. The pavement is generally in good condition. The unpaved areas are covered with grass. This parcel previously had areas that appeared to be unpaved (bare soil). The only stains identified at the parcel are typical vehicle parking stains in the parking area.

Structures present in the open area include railroad tracks, oil-filled electrical equipment, a high voltage electrical vault, and a control cable TV vault. Utilities located within and immediately surrounding the open space include sanitary sewer, storm sewer, and electrical lines. The railroad tracks are located in the southeast corner of the parcel.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 130 is bounded by Parcels 115, 129, 131, 132, and 209. IR Site 3. is located in Parcel 131. Issues of concern in neighboring parcels are addressed in the appropriate PEP. If on-going investigations at IR Site 3 indicate a concern at Parcel 130, additional sampling may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 130, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-130-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration sites. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 130 because no industrial buildings are present.

As noted earlier, Parcel 130 has open space areas that were landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. As discussed in the ZAP for this zone, potential pesticides releases are being evaluated at the four parcels (Parcels 116, 118, 120 and 121) most likely to be impacted, and zone-wide sampling for pesticides will only be conducted if these four parcels show elevated concentrations of pesticides. Therefore, no pesticide sampling has been proposed for Parcel 130.

TABLE 6-130-1

Summary of Data Gaps
NAS Alameda Parcel 130

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 130.
Installation Restoration (IR) Sites	• IR Site 3 (Area 97) is located adjacent to (directly west of) Parcel 130. Additional subsurface investigation relative to IR Site 3 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• Filled Wetlands • Railroad Tracks
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-130-1

Summary of Data Gaps
NAS Alameda Parcel 130

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, and electrical lines identified. • No underground or aboveground fuel lines identified. • No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Once the data gaps in Table 6-130-1 are addressed, Parcel 130 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

No parcel-specific target areas and two zone-wide target areas have been identified on this parcel; however, no zone-wide target area sampling is proposed for this parcel. The zone-wide target areas are described in detail in the Zone Analysis Plan for Zone 21. The zone-wide target areas include:

- Zone 21 Target Area 1 (Filled Wetlands): No samples are currently proposed for this target area. Sampling in this target area is on hold pending the outcome of the Filled Wetlands sampling in Zone 16.
- Zone 21 Target Area 2 (Railroad Tracks): Zone 21 Target Area 2 includes all current or former railroad tracks within the Naval Exchange Commercial Zone. The railroad tracks located near the southern boundary of Parcel 130 (Figure 6-130-1) are part of this zone-wide target area. However, the sample proposed to be collected from this zone-wide target area is located on Parcel 197.

In addition, concerns pertaining to asbestos, lead-based paint, underground lines, radiological issues, and the impacts of the adjacent IR site must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. If the zone-wide sampling or additional investigation at IR Site 3 indicates that additional investigation is required at this parcel, the characterization effort may utilize any of the following technologies: surface soil sampling (SOP 3), soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-197

PARCEL 197 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 197 at NAS Alameda (Figure 6-197-1). The parcel, which is located in the east-central portion of the base, is 6.5 acres in size and is rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. Two parcel-specific and two zone-wide target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface Geoprobe sampling. Table 6-197-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been prepared in accordance with Preliminary Endangerment Assessment guidance. To provide a basis for the proposed investigation of Parcel 197, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 197, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration (IR) Program sites, underground storage tanks and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 115, 116, 117, 118, 119, 120, 121, 129, 130, 208, and 209. This parcel zone has been designated the Naval Exchange Commercial Zone (Zone 21). The Naval Exchange Commercial Zone encompasses the parcels that have commercial retail activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should also consider the data collected for the

TABLE 6-197-1

Summary of Recommended Samples
NAS Alameda Parcel 197

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
197-1-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	TPH, Metals, SVOCs, VOCs	TPH, Metals, SVOCs, VOCs	Modified EPA 8015, ICAP Scan, EPA 8270, EPA 8240
197-1-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 1	TPH, Metals, SVOCs, VOCs	TPH, Metals, SVOCs, VOCs	Modified EPA 8015, CLP RAS
197-2-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	TPH, Metals, SVOCs, VOCs	TPH, Metals, SVOCs, VOCs	Modified EPA 8015, ICAP Scan, EPA 8270, EPA 8240
197-3-0-S-S-DDMMYY	0.0' - 0.5'	Surface	Soil	Target Area 2	Waste Oil, Compressor Coolant	TPH	Modified EPA 8015
197-3-0-S-V-DDMMYY*	0.0' - 0.5'	Surface	Soil	Target Area 2	Waste Oil, Compressor Coolant	TPH	Modified EPA 8015
197-4-0-S-S-DDMMYY	0.0' - 0.5'	Surface	Soil	Target Area 2	Waste Oil, Compressor Coolant	TPH	Modified EPA 8015
197-5-0-S-S-DDMMYY	0.0' - 0.5'	Surface	Soil	Target Area 2	Waste Oil, Compressor Coolant	TPH	Modified EPA 8015
Z21-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 21 Target Area 2	TPH, PCBs, SVOCs, Lead	TPH, PCBs, SVOCs, Lead	Modified EPA 8015, EPA 8080, EPA 8270, ICAP Scan
Z21-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 21 Target Area 2	TPH, PCBs, SVOCs, Lead	TPH, PCBs, SVOCs, Lead	Modified EPA 8015, CLP RAS

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 21.

Parcel 197 originally consisted of marsh land and sloughs. Filling began in the area covered by this parcel in approximately 1930. The former Pacific Coast Oil Refinery (on Old Alameda Point - IR Site 13) was located nearby. Releases from the refinery may have impacted the wetlands at this parcel in the late 1800s and early 1900s. The area within the parcel boundary was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 118, the Navy Exchange) and one structure (Structure 118) cover approximately 65 percent of the parcel. The remaining 35 percent is open space. No other buildings or structures were formerly located on the parcel. The parcel area is presently in use as a the Naval Exchange, a vehicle parking area, a roadway, and a storage and receiving area. Sewer lines are present on this parcel and are shown on Figure 6-197-1.

Parcel 197 is located immediately south of Installation Restoration (IR) Program Site 7A. A monitoring well in the northeastern portion of Parcel 197 is part of the on-going subsurface investigation at IR Site 7A (Parcels 113 and 114). Previous investigations have been conducted near Parcel 197 and with the exception of chromium and manganese, soil chemical concentrations are below PRGs and groundwater chemical concentrations are below MCLs.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 118

Building 118 was constructed in 1944 and currently serves as the Navy Exchange (Figure 6-197-1). A retail store and service outlets (Beauty Shop, Hardware Store, Flower Shop, Camera and Watch Repair shop, Sign Display Shop, Shoe Shine Area, etc.) are located within this building. From approximately 1956 to 1970, Building 118 was used as a warehouse for miscellaneous products awaiting shipment to other bases. This one-story, 171,000-square foot building is constructed of wood, with a concrete floor, metal and transite siding, and a composite roof. An informal assessment noted that ACM may be present in the building.

Utilities located within Building 118 include underground sanitary sewer, steam, water, and electrical lines, and overhead electrical lines. Two pad-mounted transformers are located in the southwest corner of the building. Two PCB-containing transformers formerly located in the building were removed in 1990. A third pad-mounted transformer is located in Bay 1. Two pad-mounted transformers are located in the southwest corner of the building.

Small quantities of chemicals are stored in Building 118. They include household-type chemicals stored and sold in the NEX club, small quantities of paint stored and mixed in the Hardware Store, small quantities of household-type chemicals stored in the Beauty Shop, and insecticides, paint, and floral cleaner stored in the Flower Shop. Typical institutional chemicals, including bleach and oven-grill cleaner, are located in the receiving room of Building 118.

EBS information indicates that a dry cleaning plant was formerly located in this building; however, no evidence of a dry cleaning operation was found during the site inspection. Further interviews and document review are recommended to verify this information before screening-level sampling is conducted in Building 118.

Small oil stains are present on the concrete floor of the boiler room. Accumulated water, which may include oil and/or other boiler chemicals, is discharged to a storm drain in the storage yard on the north side of Building 118. No other incidents such as fires, mishaps, or flooding are documented to have occurred.

Open Space

The open space covers approximately 35 percent of Parcel 197 and is completely paved. Approximately 80 percent of the paved area is surfaced with asphalt and 20 percent is covered with concrete. The pavement is generally in good condition. The open space is used for vehicle parking and the storage of miscellaneous items, such as old refrigeration equipment, wood pallets, packaging material, etc. Although materials are stored primarily north of Building 118, historical aerial photographs indicate that materials have been stored on all sides of the building. The area east of Building 118 has been used primarily for vehicle parking since approximately 1963.

Utilities located within the open space include underground sanitary sewer, storm sewer, steam, water, and electrical lines. A pad-mounted PCB-containing transformer is located near the loading dock on the north side of Building 118. Two pole-mounted transformers are also located north of the building. Railroad tracks are located south of Building 197.

A storm drain north of Building 118 may be impacted by discharge from the building's boiler room.

An oil/water separator is located near the southeast corner of Building 118. It is not known if the unit is used by Building 118 or whether the unit is operable (this unit is addressed by Target Area 1).

Structure 118 is located north of Building 118 in the storage yard and receiving area. This metal frame structure has a concrete floor and transite siding. The two compressors located in this structure service a nearby refrigeration unit. Paint overspray from aerosol cans has stained the walls of a metal storage cabinet that is located north Building 118. One aerosol and several one-gallon and five-gallon paint cans are present and appear to be abandoned.

The storage yard north of Building 118 contains miscellaneous materials, including pieces of glass and metal, abandoned air conditioners, and wood pallets, as well as cardboard crushing and other miscellaneous equipment. According to site inspection data, abandoned air conditioner equipment near the north side of the building has leaked coolant and oil. The staining appears to cover approximately 70 square feet of concrete. Oily stains beneath a water cooling system indicate that releases have occurred. The staining covers approximately 24 square feet of concrete and appears to be the result of continuous leakage. Also, a hydraulic loading device, located in Bay 1, has apparently leaked hydraulic fluid. Site inspection data indicate that the staining on the concrete beneath the hydraulic device covers approximately 15 square feet. The staining appears to be the result of continuous leakage of small quantities of fluid (the various staining in this area is addressed by Target Area 2).

No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

One underground storage tank (UST) may exist at this parcel. EBS information indicates that a 10,000-gallon UST (Tank 549-5) is located in Parcel 197. The tank, which reportedly stores automotive gasoline, could not be located during a 1987 precision tank testing study. No evidence of a UST was noted during the site inspection.

Parcel Boundary Conditions

Parcel 197 is bounded by Parcels 103, 111, 113, 114, 115, 116, 118, 119, and 900. IR Site 7A is located within Parcels 113 and 114. Activities of concern

on these adjacent parcels include automobile repair activities and steam cleaning/degreasing, and leaking underground storage tanks.

If the continuing investigation at IR Site 7A reveals a cause for concern at Parcel 197, then additional sampling on Parcel 197 may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 197, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-197-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, radiological concerns, and Installation Restoration Sites. Sampling associated with and sewer lines is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 197 because no industrial buildings are present.

As noted earlier, Parcel 197 previously had open space areas that were unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. As discussed in the ZAP for this zone, potential pesticides releases are being evaluated at the four parcels (Parcels 116, 118, 120 and 121) most likely to be impacted, and zone-wide sampling for pesticides will only be conducted if these four parcels show elevated concentrations of pesticides. Therefore no pesticide sampling has been proposed for Parcel 197.

Once the data gaps in Table 6-197-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 197 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-197-2

Summary of Data Gaps
NAS Alameda Parcel 197

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 197.
Installation Restoration (IR) Sites	• IR Site 7A (Naval Exchange Service Station) is located adjacent to (directly north of) Parcel 197. Additional subsurface investigation relative to IR Site 7A is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• Filled Wetlands • Railroad Tracks
Potential Parcel-Specific Release Areas	• Target Area 1 (Oil/Water Separator near Southeast Corner of Building 118) • Target Area 2 (Open Space North of Building 118)
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

TABLE 6-197-2

Summary of Data Gaps
NAS Alameda Parcel 197

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• One UST is potentially located in the open space. Document review indicates that a 10,000-gallon gasoline UST (Tank 549-5) is supposedly located at Parcel 197. However, this tank could not be located during a 1987 precision tank testing program, and the site inspection revealed no evidence of a UST.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified. • No underground or aboveground fuel lines identified. • Steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

This parcel contains two parcel-specific target areas and is also contained in a zone with two zone-wide target areas. This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target areas. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the ZAP for Zone 21. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following target areas were identified based on the potential release areas described above and listed in Table 6-197-2.

- Target Area 1 (Oil/Water Separator Near Southeast Corner of Building 118): The soil in Target Area 1 may have been impacted by the releases of VOCs, SVOCs, metals, and TPH from the oil/water separator. This target area has been classified as having a potential likelihood of impacts. Two subsurface soil samples will be collected in this target area. The samples are shown on Figure 6-197-1 and listed in Table 6-197-1.

- Target Area 2 (Open Space North of Building 118): The open space north of Building 118 has been used as a storage yard for miscellaneous items and a receiving area. Oily stains near abandoned air conditioning equipment indicate that releases have occurred, and a hydraulic lifting device near Loading Bay 1 apparently has leaked a moderate quantity of hydraulic fluid. This target area has been classified as having a potential likelihood of impacts. The compounds of concern in this target area include TPH. Three surface soil samples will be collected in this target area. The samples are shown on Figure 6-197-1 and listed in Table 6-197-1.

- Zone 21 Target Area 1 (Filled Wetlands): No samples are currently proposed for this target area. Sampling in this target area is on hold pending the outcome of the Filled Wetlands sampling in Zone 16.

- Zone 21 Target Area 2 (Railroad Tracks): Zone 21 Target Area 2 includes all current or former railroad tracks within the Naval Exchange Commercial Zone. The railroad tracks located near the southern boundary of Parcel 197 are part of this zone-wide target area. The sample proposed to be collected from this zone-wide target area is located on Parcel 197. One surface soil sample will be collected from beneath the railroad ballast. The sample is shown on Figure 6-197-1 and listed in Table-6-197-1.

Screening-Level Investigation

Two screening-level techniques will be employed to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14). Table 6-197-1 summarizes screening-level sampling and analysis for the parcel's target areas. Five surface soil samples and three subsurface Geoprobe soil samples will be collected from the locations shown on Figure 6-197-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

All sample locations shown on Figure 6-197-1 are approximate. Because of the uneven distribution of apparent releases in Target Area 2, the sample density is less than the protocol standards stated in Table 3-1. The samples in Target Area 1 should be collected from the depth corresponding to the bottom of the oil/water separator. The samples from Target Area 2 should be located in areas with the most significant staining and cracks. If no staining is evident, then these samples should be distributed evenly over the target area.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), Hydropunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-208

PARCEL 208 EVALUATION PLAN

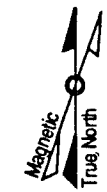
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 208 at NAS Alameda (Figure 6-208-1). The parcel, which is located in the east-central portion of the base, is 0.2 acres in size and is rectangular shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One parcel-specific and one zone-wide target investigation area (target area) have been identified on Parcel 208. Sampling procedures called for in the screening-level investigation in this area include surface soil sampling and subsurface Geoprobe soil sampling. Table 6-208-1 provides the complete list of samples and analyses prescribed by this plan. This parcel specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 208, historical activities are discussed below.

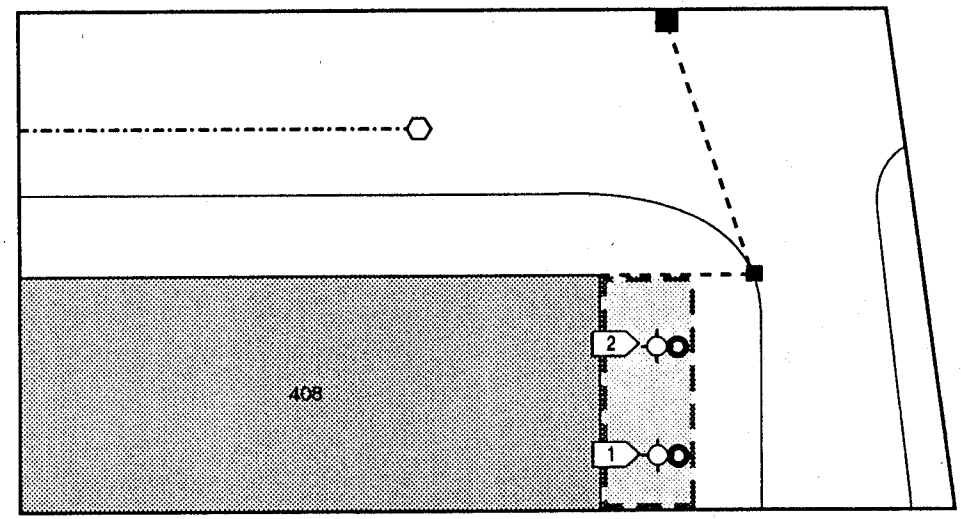
Background and Historical Activities

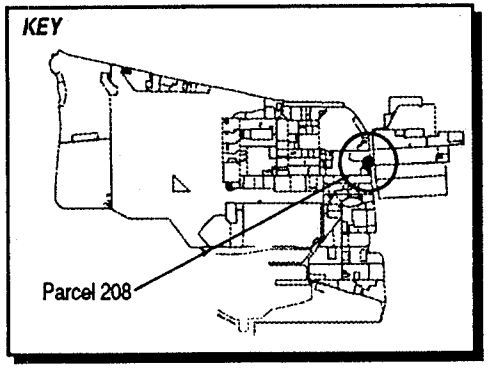
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 208 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 115, 116, 117, 118, 119, 120, 121, 129, 130, 197, and 209. This parcel zone has been designated the Naval Exchange Commercial Zone (Zone 21). The Zone encompasses the parcels that have commercial retail activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this







LEGEND

- Target Area
- Storm Sewer Line
- Industrial Waste Line
- Subsurface Geoprobe Sample Location
- Surface Soil Sample Location
- Sanitary Sewer Manhole
- Catch Basin
- Catch Basin

1"= 30'

Figure 6-208-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.12/GCF/07.08.94

TABLE 6-208-1

Summary of Recommended Samples
NAS Alameda Parcel 208

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
208-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
208-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	TPH, SVOCs, Metals	TPH, SVOCs, Metals	Modified EPA 8015, CLP RAS
208-1-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, EPA 8240, EPA 8270, ICAP Scan
208-1-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 1	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, CLP RAS
208-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	TPH, Metals, SVOCs	TPH, Metals, SVOCs	Modified EPA 8015, EPA 8270, ICAP Scan
208-2-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	TPH, VOCs, SVOCs, Metals	TPH, VOCs, SVOCs, Metals	Modified EPA 8015, EPA 8240, EPA 8270, ICAP Scan

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

parcel should also consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 21.

Parcel 208 originally consisted of marsh land and sloughs. Filling began in the area covered by this parcel in approximately 1930. The former Pacific Coast Oil Refinery (on Old Alameda Point--IR Site 13) was located nearby. Releases from the refinery may have impacted the wetlands at this parcel in the late 1800s and early 1900s. The area within the parcel boundary was completely filled as of 1940; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 408) covers approximately 30 percent of the parcel. The remaining 70 percent is open space. The parcel area is presently in use primarily as a roadway and central support facility (Building 408). Playing courts (Facility 382) were formerly located on the parcel and have since been removed. It appears that the parcel may have been unpaved prior to the construction of Building 408. Underground sewer lines are present on this parcel and are shown in Figure 6-208-1.

Parcel 208 is located approximately 350 feet north of Installation Restoration (IR) Program Site 7A (Building 459 - Navy Exchange Service Station). No previous investigations have been conducted at Parcel 208, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 408

Building 408 was constructed in 1957 and has served as a central support facility (Figure 6-208-1). This one-story building is constructed of steel with a concrete floor and a metal roof, and covers approximately 4,000 square feet. The interior is coated with a spray-type insulating material.

Utilities located within and immediately surrounding Building 408 include underground sanitary sewer, storm sewer, water, and industrial sewer lines, and overhead electrical lines.

Currently, offices, a tool and cleaning chemicals storage area, and a carpenter shop are located within Building 408. The carpenter shop is in the western third of the building, the offices are in the middle third of the building, and the main storage area (chemicals, tools, etc.) is in the eastern third of the building. Small quantities of primer and adhesives were the only chemicals present in the carpenter shop during the site inspection. Apart from the cleaning chemicals (less than 15 gallons) in the janitorial closet, the majority of the chemicals are stored in the eastern portion of Building 408.

Approximately 700 gallons of floor cleaning/polishing compounds, degreasing cleaners, janitorial chemicals, and other nonhalogenated compounds are stored in the eastern portion of the building. It appears that these chemicals are only stored, and not used in this area. EBS information indicates that approximately 500 gallons of nonhalogenated organic compounds, corrosives, and herbicides are located within Building 408. Approximately 300 gallons of waste corrosives, halogenated organic compounds, and asbestos were located within Building 408 in 1993. Disposal practices are unknown. No spills are documented to have occurred at Building 408. No incidents, such as fires, mishaps, or flooding are documented to have occurred within Building 408.

Open Space

The open space covers 70 percent of Parcel 208 and is completely paved. Approximately 90 percent of the paved area is surfaced with asphalt and 10 percent is covered with concrete. The pavement is generally in fair condition. Miramar Road and Twelfth Street make up the majority of the open space in Parcel 208.

Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, water, and industrial sewer lines, and overhead electrical lines. The use of a concrete pad located on the east side of Building 408 is unknown. A drain located in the center of the pad appears to be connected to the storm sewer system.

No chemicals are documented to have been stored or used in the open space. Although no documented spills have occurred within the open space, staining in historical aerial photographs indicates that spills may have occurred near the east side of Building 408. The staining covers an area measuring approximately 15 feet by 40 feet (this stain is addressed by Target Area 1).

No other incidents such as fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

One underground storage tank may be present at this parcel. During the site inspection, a vent pipe was identified on the east side of Building 408, indicating that an underground storage tank may be present in that area.

Parcel Boundary Conditions

Parcel 208 is bounded by Parcels 102, 112, and Main Street. A subsurface investigation related to IR Site 7A is currently in progress at Parcel 112. If the continuing investigations at IR Site 7A reveal a cause for concern at Parcel 208, then additional sampling on Parcel 208 may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 208, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-208-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, underground storage tanks, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground sewer lines are also addressed separately. Sampling associated with USTs and sewer lines is discussed in the corresponding protocols presented in Section 3.

No Industrial Hygiene (IH) sampling is required for Parcel 208 because no industrial buildings are present.

As noted earlier, Parcel 208 previously had open space areas that were unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only

TABLE 6-208-2

Summary of Data Gaps
NAS Alameda Parcel 208

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 208.
Installation Restoration (IR) Sites	• IR Site 7A (the Naval Exchange Gas Station) is located 350 feet south of Parcel 208. Additional subsurface investigation relative to IR Site 7A is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• Filled wetlands
Potential Parcel-Specific Release Areas	• Target Area 1 (Open Space East of Building 408)
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• One UST is potentially located outside Building 408.

TABLE 6-208-2

Summary of Data Gaps
NAS Alameda Parcel 208

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified. • No underground or aboveground fuel lines identified. • No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. As discussed in the ZAP for this zone, potential pesticides releases are being evaluated at the four parcels (Parcels 116, 118, 120 and 121) most likely to be impacted, and zone-wide sampling for pesticides will only be conducted if these four parcels show elevated concentrations of pesticides. Therefore, no pesticide sampling has been proposed for Parcel 208.

Once the data gaps in Table 6-208-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 208 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target area and is also contained in a zone-wide target area. This subsection of the PEP discusses the specific parcel target area and provides an overview of the zone-wide target area. No zone-wide sampling is proposed at this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling locations is provided in the Zone Analysis Plan for Zone 21. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Open Space East of Building 408): Staining in historical aerial photographs indicates that spills may have occurred in the open space east of the Building 408. This target area covers approximately 6,000 square feet and has been classified as having a potential likelihood of impacts. Because the activities and compounds of concern are unknown, samples will be analyzed for TPH, SVOCs, VOCs, and metals. Two surface and two subsurface soil samples will be collected in this target area. The samples are shown on Figure 6-208-1 and are listed in Table-6-208-1.

- Zone 21 Target Area 1 (Filled Wetlands): No samples are currently proposed for this target area. Sampling in this target area is on hold pending the outcome of the Filled Wetlands sampling in Zone 16.

Screening-Level Investigation

Two screening-level techniques, surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14), will be employed to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase.

Table 6-208-1 summarizes screening-level sampling and analysis for the parcel's target area. Two subsurface Geoprobe soil samples and two surface soil samples will be collected from the locations shown on Figure 6-208-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Surface soil and subsurface Geoprobe soil sampling locations shown on Figure 6-208-1 are approximate. Before the samples are collected, a geophysical survey is required to identify whether a UST is actually present in this area. If possible, depending on the geophysical results, the surface soil samples and subsurface soil Geoprobe samples should be collected from the center and the edge of the concrete pad located on the east side of Building 408. If a UST or suspect UST is identified as a result of the geophysical survey, then the samples should be moved far enough away to avoid the tank.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), Hydropunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-209

PARCEL 209 EVALUATION PLAN

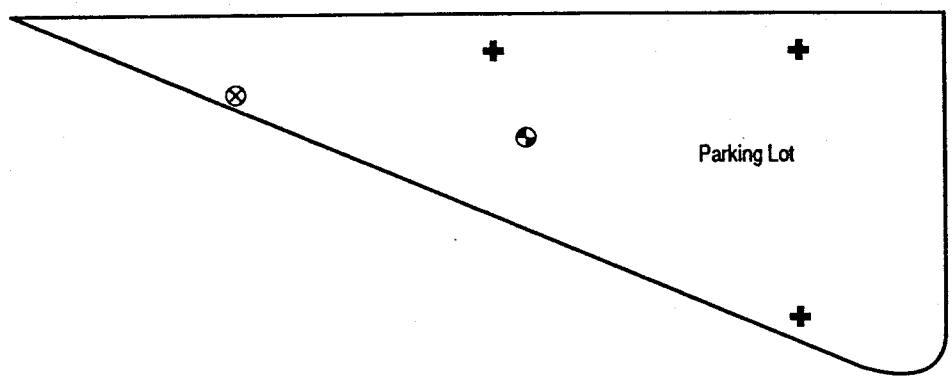
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 209 at NAS Alameda (Figure 6-209-1). The parcel, which is located in the east-central portion of the base, is 0.5 acres in size and is triangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific or zone-wide target investigation area (target area) have been identified on Parcel 209. This parcel specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 209, historical activities are discussed below.

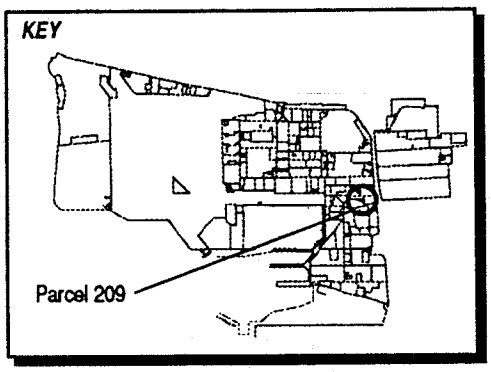
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 209 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program Sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 115, 116, 117, 118, 119, 120, 121, 129, 130, 197, and 208. This parcel zone has been designated the Naval Exchange Commercial Zone (Zone 21). The Zone encompasses the parcels that have commercial retail activities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should also consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 21.





LEGEND

- ⊗ Previous Monitoring Well Location *(Kennedy, 1980)*
- ◒ Previous Monitoring Well Location *(Canonie, 1990)*
- ✚ Previous Soil Vapor Survey Location *(Canonie, 1990)*

Note: *No screening-level sampling recommended for this parcel.*

1"= 60'

Figure 6-209-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/06.28.94

This parcel is located on the area formerly known as Old Alameda Point, and was part of the original peninsula of Alameda. Filling began in the area covered by this parcel in approximately 1930. Prior to this time, wetlands occupied the parcel area. The area within the parcel boundary was completely filled as of 1939; the ground level and grading have not changed significantly since that time.

Currently, no buildings or structures are located in Parcel 209. The parcel area is presently in use as a vehicle parking area. One building (Building 295, a Personnel Weather Station) was formerly located on the parcel and has since been demolished.

Parcel 209 is located immediately northeast of Installation Restoration (IR) Program Site 3 (Area 97, Abandoned Fuel Storage Area) and approximately 375 feet north of IR Site 4 (Building 360). In addition, the former Pacific Coast Oil Refinery (IR Site 13) was formerly located on Old Alameda. Releases from this site may have impacted Parcel 209. Previous investigations have been conducted at Parcel 209 and specific data regarding chemical occurrence are available.

Sampling locations from previous subsurface investigations on Parcel 209 are shown in Figure 6-209-1. These investigations were conducted to define the extent of petroleum hydrocarbon contamination from fuel releases at IR Site 3 (Parcel 131). Over 300,000 gallons of AVGAS reportedly leaked from fuel tanks located on Parcel 131 in the 1960s and early 1970s, impacting the surrounding sanitary and storm sewers. Three soil vapor survey samples (Canonie, 1990) detected toluene and hydrocarbons at maximum concentrations of 0.2 µg/l and 20,000 µg/l, respectively. The concentrations of benzene, ethylbenzene, and xylenes were below detection limits. One monitoring well (Canonie, 1990) detected TPH and VOCs in soil at the following maximum concentrations: TPH (93.8 ppm), methylene chloride (28 ppb), acetone (200 ppb), carbon disulfide (15 ppb), and toluene (130 ppb). The concentration of hydrocarbons in soil collected from another monitoring well (Kennedy, 1980) was less than 780 ppm. The potential impacts from IR Sites 4 and 13 on this parcel have not yet been evaluated.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 295 (demolished)

Building 295 was constructed in 1946 and served as a personnel weather station. It was a 367-square-foot, semi-permanent building, and was demolished in 1989. It appears that Building 295 was always used as a weather station. No chemicals are documented to have been used or stored in the building. No spills, fires, mishaps, or flooding are documented to have occurred in Building 295.

Open Space

The open space is completely paved with asphalt, except for the concrete foundation of former Building 295. The only utility located in Parcel 209 is an underground electrical line. Open space in Parcel 209 has been used primarily for vehicle parking since approximately 1970. A historical aerial photograph indicates that the open space was used for container storage in 1947. According to aerial photographs, the open space had no apparent use between 1947 and 1970. It appears that the parcel area was unpaved during this time.

Small stains, typical of vehicle engine leakage, are scattered throughout the parking area. No chemicals are documented to have been stored in Parcel 209. No spills, fires, mishaps, or flooding are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 209 is bounded by Parcels 129, 130, and 131. Parcel 131 is IR Site 3 (Area 97, Abandoned Fuel Storage Area). The extent of the AVGAS contamination plume from IR Site 3 has not yet been fully defined.

If the continuing investigations at IR Site 3 or other nearby IR sites reveal a cause for concern at Parcel 209, then sampling may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 209, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-209-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: radiological concerns and Installation Restoration sites.

No Industrial Hygiene (IH) sampling is required for Parcel 209 because no buildings are present.

As noted earlier, Parcel 209 previously had open space areas that were unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 209.

As discussed in the ZAP for this zone, potential pesticides releases are being evaluated at the four parcels (Parcels 116, 118, 120 and 121) most likely to be impacted, and zone-wide sampling for pesticides will only be conducted if these four parcels show elevated concentrations of pesticides.

Once the data gaps in Table 6-209-1 are addressed, Parcel 209 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

No parcel-specific target areas were identified for this parcel. However, concerns pertaining to the radiological concerns and adjacent and nearby IR sites must be resolved before this parcel can be reclassified, leased, or transferred.

TABLE 6-209-1

Summary of Data Gaps
NAS Alameda Parcel 209

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 209.
Installation Restoration (IR) Sites	• IR Site 3 (the Abandoned Fuel Storage Area) is located adjacent to (southwest) of Parcel 209. Additional subsurface investigation relative to IR Site 3 is proposed by the IR contractor. • IR Site 4 (Building 360) is located 375 feet south of Parcel 209. Additional investigation relative to IR Site 4 is proposed by the IR contractor. • In addition, IR Site 13 (the former Pacific Coast Oil Refinery), which is located approximately 800 feet south of Parcel 209. Additional investigation relative to IR Site 13 is proposed by the IR contractor.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.

TABLE 6-209-1

Summary of Data Gaps
NAS Alameda Parcel 209

Data Gap	Status/Description
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Electrical lines identified. • No underground or aboveground fuel lines identified. • No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

SECTION 6-Z22

ZONE 22 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 22 at NAS Alameda (Figure 6-Z22-1). Zone 22 has been designated the Southeastern Refinery and Heavy Industrial Zone and encompasses the parcels that have been used as refinery or refinery support facilities, or industrial or industrial support facilities. Zone 22 is comprised of Parcels 132, 133, 134, 141, 142, 143, 144, 145, 146, 147, 148, 149, 152, 153, 164, 210, 211, and 214. During the sampling program development, the parcels located in this zone were evaluated together. Two zone-wide target investigation areas (target areas) and 16 parcel-specific target areas have been identified in this zone. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling, subsurface Geoprobe sampling, and soil gas sampling. Table 6-Z22-1 provides a list of samples and analyses prescribed for the zone-wide target areas, and Figure 6-Z22-1 illustrates all sample locations for the entire zone, including parcel-specific sampling. This zone evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 22, historical activities are discussed below.

Zone 22 Background and Historical Activities

This subsection briefly summarizes EBS information available for buildings, open spaces, and boundaries of Zone 22 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the Parcel Evaluation Plans (PEPs) for the parcels contained in this zone.

Past and present use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and

TABLE 6-Z22-1

Summary of Recommended Samples
NAS Alameda Zone 22

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z22-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 1	Incinerator Emissions	Dioxins/Furans	EPA 8280/SAS B
Z22-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 1	Incinerator Emissions	Dioxins/Furans	EPA 8280/SAS B
Z22-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Creosote, Railroad Tie Tar	SVOCs	CLP RAS
Z22-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Fuels, Oils, PCBs	TPH, PCBs, lead	Test Kit, XRF
Z22-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Fuels, Oils, PCBs	TPH, PCBs, lead	Mod. 8015, CLP RAS
Z22-4-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Creosote, Railroad Tie Tar	SVOCs	CLP RAS
Z22-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Fuels, Oils, PCBs	TPH, PCBs, lead	Test Kit, XRF
Z22-5-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Creosote, Railroad Tie Tar	SVOCs	CLP RAS
Z22-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Fuels, Oils, PCBs	TPH, PCBs, lead	Test Kit, XRF
Z22-6-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Creosote, Railroad Tie Tar	SVOCs	CLP RAS
Z22-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Fuels, Oils, PCBs	TPH, PCBs, lead	Test Kit, XRF

TABLE 6-Z22-1

Summary of Recommended Samples
NAS Alameda Zone 22

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z22-7-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Creosote, Railroad Tie Tar	SVOCs	CLP RAS
Z22-7-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Fuels, Oils, PCBs	TPH, PCBs, lead	Test Kit, XRF
Z22-7-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Fuels, Oils, PCBs	TPH, PCBs, lead	Modified EPA 8015, CLP RAS
Z22-8-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Creosote, Railroad Tie Tar	SVOCs	CLP RAS
Z22-8-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Fuels, Oils, PCBs	TPH, PCBs, lead	Test Kit, XRF
Z22-9-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Creosote, Railroad Tie Tar	TPH, PCBs, Lead	Test Kits, XRF
Z22-9-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Fuels, Oils, PCBs	SVOCs	CLP RAS
Z22-10-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Creosote, Railroad Tie Tar	PCBs, TPH, Lead	Test Kit, XRF
Z22-10-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Fuels, Oils, PCBs	SVOCs	CLP RAS

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

historical aerial photographs (the non-intrusive investigation[1]). This information was used to determine areas on the zone where sampling was deemed necessary to delineate potential impacts of compounds of concern.

Zone 22, the Southeastern Refinery and Heavy Industrial Zone, encompasses 18 parcels that have been used as refinery or refinery support facilities, or industrial or industrial support facilities. During the sampling program development, the parcels located in this zone were evaluated together to better address zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of specific parcel concerns is provided in the PEPs for individual parcels.

Much of the area encompassed by this zone is located on the area formerly known as Old Alameda Point, and was part of the original peninsula of Alameda. Filling began in the remaining zone area in approximately 1942. The zone was completely filled as of 1946; the ground level and grading have not changed significantly since that time.

Currently, 27 buildings and three structures cover approximately 30 percent of the zone. The remaining 70 percent is open space. The zone area is presently in use as an industrial area. More than 80 buildings and at least one structure was formerly located on the parcel and have since been demolished.

Zone 22 contains seven Installation Restoration (IR) Program sites (IR Site 4 (Building 360), IR Site 7C (Building 547), IR Site 9 (Building 410), IR Site 10B (Building 530), IR Site 13 (Oil Refinery), IR Site 16 (Cans C-2 Area), and IR Site 19 (Yard D-13)). Information regarding each IR Site is available and is discussed in the appropriate PEPs.

Sewer and fuel lines present in this zone are illustrated in the individual PEP figures. Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns and asbestos-containing materials on Zone 22 will be addressed in other sampling programs and are not considered in this ZAP.

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1 The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.

Underground Storage Tanks

One tank may be present at this zone on Parcel 211. Site inspection records indicate that pipes suspected to be UST vent pipes were identified in this area.

Two tanks were formerly present at this zone on Parcel 142 (no record regarding the tank numbers, installation dates, removal dates, or capacity and material stored for these tanks is available). The former presence of these tanks were identified from EBS information. Investigation of these former tanks has not been scheduled. No information is available regarding the integrity of the tanks that were removed.

Three inactive underground storage tanks are present at Parcel 145 (Tanks 547-1, 547-2, and 547-3). The tanks were installed in 1971 and are located in the northwestern portion of the parcel. These tanks were used to store leaded gasoline and each has a capacity of 12,000 gallons. The presence of these tanks was identified from EBS information. The tanks are scheduled to be removed.

One underground storage tank (UST) reportedly exists at Parcel 143 and is associated with Building 163. No other information is available regarding USTs at this parcel.

At least one abandoned underground storage tank is apparently present at Parcel 134 (no record regarding the tank number for this tank is available). The tank was installed in 1953 and is located west of Building 372. There is conflicting data regarding the use of USTs on this parcel. The NAS Alameda UST Inventory identifies one 6,000-gallon UST located at Building 372 that was used to store waste gear oil. This tank was identified during the RFI. The EBS information identifies a 6,000-gallon UST at Building 372 used to store jet fuel. In addition, one unidentified UST at Building 163 is listed for this parcel. This tank may be the same tank identified for Parcel 143. The contents, exact location, or installation date for this tank could not determined during the EBS. The 6,000 gallon tank(s) is/are scheduled for closure.

RCRA Sites

This zone includes 24 RCRA sites located on Parcels 134, 142, 143, 147, and 148. These sites were evaluated consistent with the criteria applied to other potential target areas at the zone. Under these criteria, of the 24 RCRA sites at this zone, five require further investigation. A brief description of each RCRA site is provided in the corresponding PEP.

The sampling proposed for the sites that require sampling is also described in the corresponding PEP.

Zone Boundary Conditions

Zone 22 is bounded by Zones 17, 19, 21, and 23. Activities of concern on these adjacent zone include engine testing and hazardous materials storage on Zone 17, and dock support services and a former incinerator in Zone 19. Central Avenue borders Zone 22 to the east.

Zone Target Areas and Compounds of Concern

This zone contains two zone-wide target areas and 16 parcel-specific target areas. This subsection of the ZAP discusses the specific zone-wide target area and provides an overview of the parcel-specific target areas. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this zone. Detailed information regarding the parcel-specific target areas and the proposed sampling is provided in the PEPs for individual parcels. The nature and locations of the zone-wide and parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

Zone 22 Target Areas

- Zone 22 Target Area 1 (Former Incinerator): This target area includes Parcels 134, 141, 142, 143, 146, 147, 152, 153, 164, 210, and 211 in Zone 22, and Parcels 139, 140, 150, 151, 154, and 201 in Zone 19. These parcels are located to the east of the former incinerator in the direction of the prevailing wind currents. The former incinerator was located in former Building 68 on Parcel 139. This building was constructed in 1942 and was demolished in 1961. The size of this former building was approximately 400 square feet. Classes of compounds of concern possible within this target area include dioxins and furans. The likelihood of environmental impact within this target area is classified as potential. The two samples to be collected in the zone in this target area are listed in Table 6-Z22-1. The approximate sampling locations for this zone were selected because these areas were not paved between 1942 and 1961. They are shown on Figure 6-Z22-1.

- Zone 22 Target Area 2 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the

Southeastern Refinery and Heavy Industrial Zone. Railroad tracks are located throughout the zone. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas for a total of eight surface soil samples for this zone target area. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means. The samples to be collected in this target area are listed in Table 6-Z22-1. The approximate sampling locations are shown on Figure 6-Z22-1.

It should be noted that railroad track sampling will first be performed in the Housing Zone (Zone 16). If investigations there indicate that the potential releases of the compounds of concern are negligible, then the railroad track zone target area may be eliminated in this zone and other zones. Alternately, if the investigations in Zone 16 indicate that only certain compounds of concern are actually associated with the railroad tracks, then sampling may be modified to analyze for the more limited suite of the compounds of concern, only.

Parcel 132 Target Areas

- Parcel 132 Target Area 1 (Southeastern Portion of Open Space): Target Area 1 covers approximately 4,800 square feet in the eastern and southeastern portion of Parcel 132. Because of the reported former use of this area for agriculture, surface soil samples will be collected and analyzed for pesticides and metals. Heavy staining apparent in historical aerial photographs indicates that other types of materials may have been released historically. Although the source of release is unknown, surface soil samples will also be analyzed for TPH. Four surface soil samples will be collected from this target area. Samples to be collected in this target area are listed in Table 6-132-1.

- Parcel 132 Target Area 2 (General Open Space): Emissions from Building 360 located on Parcel 143 are a potential source of contamination that may have impacted the surface soil of Parcel 132. The primary compounds of concern are metals. This target area is classified as having potential likelihood of impacts. Three surface soil samples will be collected from this target area. Samples to be collected in this target area are listed in Table 6-132-1.

One surface soil sample for Zone 22 Target Area 2 will also be collected from within this parcel area.

Parcel 133 Target Areas

- No parcel-specific target areas have been identified at this parcel.

Parcel 134 Target Areas

- Target Area 1 (Building 372): This target area addresses the possible release of compounds of concern associated with fuel, oil, solvents, and lubricating oil within Test Cell 13, Test Cell 14, and the Preparation room. The size of this area on the first floor of Building 372 is approximately 10,000 square feet. The likelihood of environmental impacts having occurred within this target area is classified as suspect. Seven surface soil and seven subsurface soil samples will be collected from this target area. Samples to be collected in this target area are listed in Table 6-134-1.

- Target Area 2 (Western End of Building 372): This target area addresses the possible release of compounds of concern associated with petroleum products. The size of this area adjacent to Building 372 is approximately 2,000 square feet. The likelihood of environmental impacts having occurred within this target area is classified as potential. Three surface soil samples will be collected from Target Area 2. Samples to be collected in this target area are listed in Table 6-134-1.

- Target Area 3 (Building 163): This target area addresses the possible release of compounds of concern associated with use and storage of metals, corrosives, petroleum products, halogenated organic compounds, paint and non-halogenated organic compounds throughout the building. The size of the stained area within Building 163 is approximately 1,500 square feet. The likelihood of environmental impacts having occurred within this target area is classified as potential. Three subsurface soil and three surface soil samples will be collected from Target Area 3. Samples to be collected in this target area are listed in Table 6-134-1.

- Target Area 4 (Building 414): This target area addresses the possible release of compounds of concern associated with storage of paint stripper and solvents within Building 414, primarily in the northern- and southern-most storage areas. The size of this area within Building 414 is approximately 1,000 square feet. The likelihood of environmental impacts having occurred within this

target area is classified as potential. Two surface soil samples will be collected from Target Area 4. Samples to be collected in this target area are listed in Table 6-134-1.

- Target Area 5 (GAP Site 59, between Buildings 163 and 414): This target area addresses the possible release of compounds of concern associated with storage of petroleum products and lubricating oil. The size of this target area is approximately 2,500 square feet. The likelihood of environmental impacts having occurred within this target area is classified as potential. Five surface soil samples will be collected from Target Area 5. Samples to be collected in this target area are listed in Table 6-134-1.

Five surface soil samples for Zone 22 Target Area 2 will be collected from within this parcel area.

Parcel 141 Target Areas

- No parcel-specific target areas were identified for this parcel. One of the surface soil samples for Zone 22 Target Area 2 is located on this parcel.

Parcel 142 Target Areas

- Target Area 1 (Yard D-13): This target area is located over Hazardous Waste Storage Yard D-13. The size of this target area, shown on Figure 6-142-1 is approximate, and encompasses the entire storage area. Compounds or classes of compounds of concern possible within this target area include corrosives, metals, VOCs, SVOCs, PCBs, and petroleum products. The likelihood of environmental impact having occurred within this target area is classified as probable. No sampling is called for in this target area by this PEP; however, sampling investigations are currently underway in this area as part of the IR program.

Parcel 143 Target Area

- Parcel 143 Target Area 1 (Whole Parcel): No sampling is called for in this target area; however, sampling investigations are currently underway in this parcel as part of the IR program. The IR program calls for soil sampling in the open space area of this parcel and from underneath Building 360. Currently, several shallow soil samples, soil borings, and CPT/HydroPunch sample locations are specified for this site by the IR contractor.

Parcel 144 Target Area

- Target Area 1 (Open Space): Target Area 1 extends over the entire parcel area. Compounds or classes of compounds of concern possible within this target area include solvents, SVOCs, PCBs, metals, pesticides, petroleum products, and cyanide. This target area has been identified based on its unknown former use, combined with its proximity to the surrounding industrial area and the former presence of structures that are commonly used for storage. The likelihood of environmental impact having occurred within this target area is classified as potential. Four surface soil samples, four subsurface soil samples, and five soil gas samples will be collected. Samples to be collected in this Target Area are listed on Table 6-144-1.

Parcel 145 Target Area

- Target Area 1 (Entire Parcel): Due to the elevated concentrations of various compounds throughout this parcel, as identified in previous IR site investigations, the entire parcel is being identified as Target Area 1. Compounds or classes of compounds of concern possible within this target area include VOCs, SVOCs, and petroleum products. Environmental impacts have been confirmed within this target area. No sampling is called for in this target area by this PEP, because sampling investigations are currently underway in this area as part of the IR program.

Parcel 146 Target Areas

- No parcel-specific target areas were identified for this parcel.

Parcel 147 Target Areas

- No parcel-specific target areas were identified for this parcel. This parcel is part of IR Site 13. Currently, several soil borings, monitoring wells, and CPT/HydroPunch sample locations are specified for this site by the IR contractor. One surface soil sample proposed for Zone 22 Target Area 1 is located on Parcel 147. The sample to be collected in this target area is listed in Table 6-147-1.

Parcel 148 Target Area

- Target Area 1 (Building 530): This target area is centered over Building 530 as shown in Figure 6-148-1. VOCs, SVOCs, and metals

are the possible compounds of concern within this target area. The likelihood of environmental impacts having occurred within this target area is classified as potential. This parcel has been identified as a target area because soil samples collected near this parcel suggest that slightly elevated concentrations of VOCs, SVOCs, and metals may exist on Parcel 148. All soil sample detections were below unrestricted use PRGs. Building 530 has been identified as a target area because no sampling within the boundaries of this parcel has been conducted or are proposed at this time. Three GeoProbe samples will be collected from this target area. Samples to be collected in this target area are listed on Table 6-148-1.

Parcel 149 Target Area

- Parcel 149 Target Area 1 (Open Space): This target area is encompasses the open space storage area west of Buildings 338A-H. The size of this target area, as shown on Figure 6-149-1, is approximate; the actual size will be adjusted in the field to completely encompass the storage area. Compounds or classes of compounds of concern possible within this target area include corrosives, metals, VOCs, SVOCs, PCBs, and petroleum products. Environmental impacts are known to have occurred within this target area. No sampling is proposed for this target area by this PEP because sampling investigations are currently underway in this area as part of the IR program.

Parcel 152 Target Area

- Parcel 152 Target Area 1 (Whole Parcel): No sampling is called for in this target area, because sampling investigations are currently underway in this parcel as part of the IR program. The IR program calls for soil sampling in the open space area of this parcel and from underneath Building 410. Currently, ten combined GeoProbe and HydroPunch sample locations and one monitoring well location are specified for this site.

Parcel 153 Target Area

- Parcel 153 Target Area 1 (Structure 588): This target area has been established to encompass the former industrial wastewater treatment plant and the area immediately around it, including all the aboveground storage tanks on the east of the facility and the at-grade vaults on the west side. This target area is approximately 7,000 square feet in area. The waste stream at the IWTP included

wastes from Building 410, which contained oils, paints, paint strippers, detergents, phenols, paint strips, and methylene chloride. Compounds of potential concern within this target area also include acids, bases, coagulants, and other wastewater treatment compounds. These samples will also be analyzed for TPH and VOCs because of the potential use of the wastewater vault for other types of liquid storage. The likelihood of environmental impacts having occurred at this target area is classified as potential. Three surface soil samples and two subsurface soil samples will be collected from this target area. One of the eight surface soil samples for Zone 22 Target Area 2 is located on this parcel. Samples to be collected in this target area are listed in Table 6-153-1.

Parcel 164 Target Areas

- No parcel-specific target areas were identified for this parcel.

Parcel 210 Target Areas

- No parcel-specific target areas were identified for this parcel.

Parcel 211 Target Area

- Target Area 1 (Open Space I): Soils at the defueling area may have been impacted by previous defueling operations. The target area contains approximately 5,000 square feet. Compounds of concern possible within this area are petroleum hydrocarbons. The likelihood of environmental impact having occurred at this target area is classified as suspect. Eight surface soil samples will be collected from this target area.

  One surface soil sample for Zone 22 Target Area 1 is located on this parcel. Samples to be collected in this target area are listed in Table 6-Z22-1.

Parcel 214 Target Areas

- No parcel-specific target areas were identified for this parcel.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in the zone and parcel-specific target area(s) and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3), soil gas sampling (SOP 6), and subsurface GeoProbe soil sampling (SOP 14).

Table 6-Z22-1 summarizes screening-level sampling and analysis for the zone and parcel-specific target areas. A total of 52 surface soil samples, 5 soil vapor samples, and 19 subsurface GeoProbe samples will be collected from the locations shown on Figure 6-Z22-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the zone areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10), and wipe sampling (SOP 20). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-132

PARCEL 132 EVALUATION PLAN

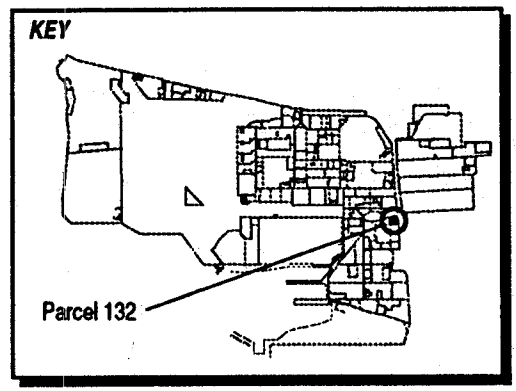
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 132 at NAS Alameda (Figure 6-132-1). The parcel, which is located in the east-central portion of the base, is approximately two acres in size and is roughly square in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One zone-wide and two parcel-specific target investigation areas (target areas) have been identified on this parcel. The sampling procedure called for in the screening-level investigation in these areas is surface soil sampling. Table 6-132-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 132, historical activities are discussed below.

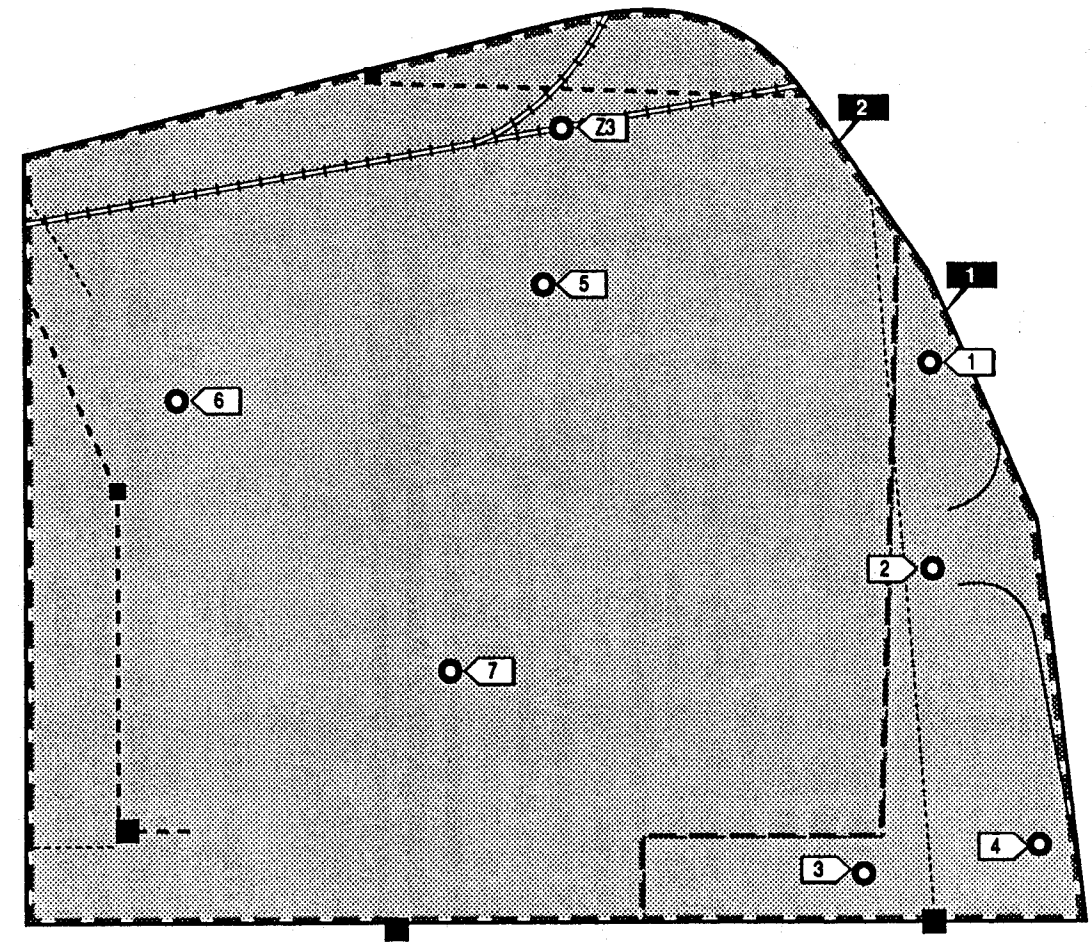
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 132, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigative phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 133, 134, 141, 142, 143, 144, 145, 146, 147, 148, 149, 152, 153, 164, 210, 211, and 214. This parcel zone has been designated the Southeastern Refinery and Heavy Industrial Zone (Zone 22). The Southeastern Refinery and Heavy Industrial Zone encompasses the parcels that have been used as refinery or refinery support facilities, or industrial or industrial support





Magnetic
True North

LEGEND
- Target Areas 1-2
- Storm Sewer Line
- Sewer Line
- Surface Soil Sample Location
- Sanitary Sewer Manhole
- Catch Basin

1"= 60'

Figure 6-132-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/DS/06.29.94A

TABLE 6-132-1

Summary of Recommended Samples
NAS Alameda Parcel 132

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
132-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Arsenic	TPH, Metals	Test Kit, XRF
132-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	Pesticides	CLP RAS
132-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Arsenic	TPH, Metals	Test Kit, XRF
132-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	Pesticides	CLP RAS
132-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Arsenic	TPH, Metals	Test Kit, XRF
132-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	Pesticides	CLP RAS
132-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Arsenic	TPH, Metals	Test Kit, XRF
132-4-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Arsenic	TPH, Metals	Mod. EPA 8015, CLP RAS
132-4-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Pesticides	Pesticides	CLP RAS
132-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Metal Emissions	Metals	XRF
132-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Metal Emissions	Metals	XRF
132-7-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 2	Metal Emissions	Metals	XRF
132-7-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 2	Metal Emissions	Metals	CLP RAS
Z22-3-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Creosote, Railroad Tie Tar	SVOCs	CLP RAS
Z22-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target	Fuels, Oils, Metals	TPH, PCBs, lead	Test Kit, XRF
Z22-3-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 22 Target	Fuels, Oils, Metals	TPH, PCBs, lead	Mod. 8015, CLP RAS

*These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 22.

Parcel 132 is located on the area formerly known as Old Alameda Point and was part of the original peninsula of Alameda.

Currently one structure (a temporary Alameda Police office trailer) is located on the parcel. The remainder of the parcel area consists of a vehicle parking area and grassy open space. No buildings or structures were formerly located on the parcel. Sewer lines are present at this parcel and are shown in Figure 6-132-1.

Parcel 132 is located approximately 250 feet east of Installation Restoration (IR) Program Site 3 and 125 feet northeast of IR Program Site 4. No previous investigations have been conducted at Parcel 132 and specific data regarding potential chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space are described in detail below.

Open Space

Parcel 132 consists entirely of open space, except for the temporary Alameda Police office trailer (Figure 6-132-1). The open space has been used for vehicle parking. The ground surface of the open space is approximately 50 percent paved and 50 percent unpaved. All of the paved area is surfaced with asphalt. The pavement is generally in fair condition, with scattered cracks throughout the asphalt. The unpaved area of the open space is completely covered with grass.

No other structures or buildings were formerly located in Parcel 132. Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, water, and electrical lines. Railroad tracks cross the northern portion of the parcel on the south side of Atlantic Avenue (Figure 6-132-1). No permits appear to have been issued for processes occurring within this open space.

EBS information indicates that activities conducted within this open space primarily consisted of vehicle parking. The eastern edge of the parcel originally consisted of a farm and vegetable garden. Available EBS information does not indicate the year in which farming activity ceased on this parcel. It appears that portions of the open space within Parcel 132 have been used for vehicle parking since 1947.

No chemicals are documented to have been stored or used at Parcel 132; however, it is likely that pesticides and herbicides were applied to the former farm/garden areas. This potential for high pesticide use area is addressed by Target Area 1.

Although there have not been any documented spills in Parcel 132, review of historical aerial photographs indicates that undocumented spills may have occurred in the southeastern portion of the parcel (Figure 6-132-1). Dark staining in aerial photographs covers an area measuring approximately 120 by 40 feet. The source of the staining is unknown. The stained area is also addressed by Target Area 1. No other incidents, such as fires, mishaps, or flooding, are documented to have occurred within Parcel 132.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 132 is bounded by Parcels 130, 133, 143, 144 and 900. Neighboring Parcel 143 contains IR Site 4 (Building 360). Activities of concern at Building 360 include painting, sandblasting, and plating. Hazardous residues generated by these operations may have been discharged through roof exhaust vents and impacted surface soil in Parcel 132. Limited sampling is called for in this PEP in response to this IR site (Target Area 2).

RCRA Sites

This parcel contains no RCRA sites.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 132, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-132-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: radiological concerns, transformers, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 132 because no industrial buildings are present.

As noted earlier, Parcel 132 has open space areas that are landscaped/ unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides.

Potential concerns related to pesticides have been identified as a parcel-specific data gap for Parcel 132. Pesticide sampling for this parcel has been limited to the area formerly used for farming/vegetable gardens.

Once the data gaps in Table 6-132-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 132 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-132-2

Summary of Data Gaps
NAS Alameda Parcel 132

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 132.
Installation Restoration (IR) Sites	• Neighboring Parcel 143 contains IR Site 4 (Building 360). Activities of concern at Building 360 include painting, sandblasting, and plating. Hazardous residues generated by these operations may have been discharged through roof exhaust vents and impacted surface soil in Parcel 132. Limited sampling is called for in this PEP in response to this IR site.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks.
Potential Parcel-Specific Release Areas	• Agriculture use of pesticides. • Emissions from Building 360.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-132-2

Summary of Data Gaps
NAS Alameda Parcel 132

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target areas. The nature and locations of these areas were evaluated to determine field investigation and sampling strategies. The following target areas were identified based on possible impacts from activities described above involving potentially hazardous substances.

- Parcel 132 Target Area 1 (Southeastern Portion of Open Space): Target Area 1 covers approximately 4,800 square feet in the eastern and southeastern portion of Parcel 132. Because of the reported former use of this area for agriculture, surface soil samples will be collected and analyzed for pesticides. Metal analysis by XRF will also be conducted to screen for arsenic-based pesticides. Heavy staining apparent in historical aerial photographs indicates that other types of materials may have been released historically. Although the source of release is unknown, surface soil samples will also be analyzed for TPH. Samples to be collected in this target area are listed in Table 6-132-1. Approximate sampling locations are shown on Figure 6-132-1.

- Parcel 132 Target Area 2 (General Open Space): Emissions from Building 360 located on Parcel 143 are a potential source of contamination that may have impacted the surface soil of Parcel 132. The primary compounds of concern are metals. This target area is classified as having potential likelihood of impacts. Surface soil samples to be collected in this target area are listed in Table 6-132-1. Approximate sampling locations are shown on Figure 6-132-1.

- Zone 22 Target Area 2 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Southeastern Refinery and Heavy Industrial Zone. Railroad tracks are located in the northern portion of the parcel. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas. One of the eight surface soil samples for this zone target area is located on this parcel. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means. The sample to be collected in this target area is listed in Table 6-132-1. The approximate sampling location is shown on Figure 6-132-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) will be the screening-level technique used to assess conditions in target areas and to identify areas that require further sampling in the follow-up detailed evaluation phase.

Table 6-132-1 summarizes screening-level sampling and analysis for the parcel's target areas. Sample locations are shown on Figure 6-132-1. Eight surface soil samples will be collected from the locations shown on Figure 6-132-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Samples should be located in the areas with the most significant staining. If no staining is evident, then the samples should be distributed evenly over the target area.

Detailed Evaluation Phase

The detailed evaluation phase sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), HydroPunch groundwater sampling (SOPs 1 and 15), and monitor-ing well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-133

PARCEL 133 EVALUATION PLAN

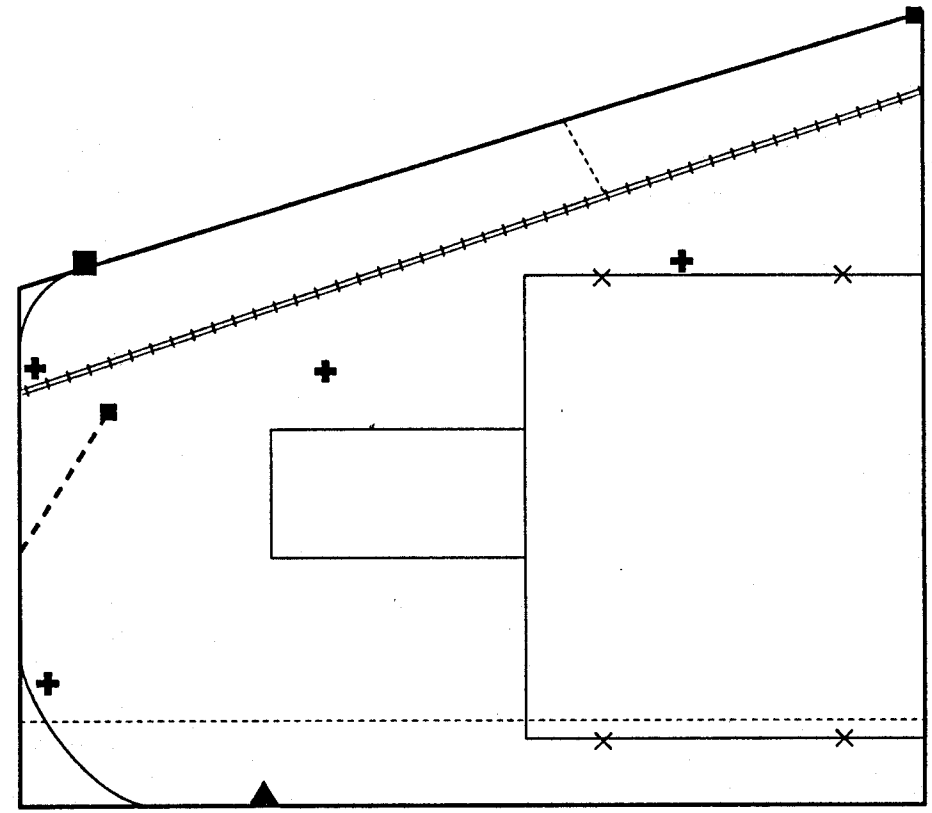
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 133 at NAS Alameda (Figure 6-133-1). The parcel, which is located in the southeastern portion of the base, is approximately 1.4 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One zone-wide target investigation area (target area) has been identified on this parcel. No samples will be collected for the zone-wide target area on this parcel, however. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 133, historical activities are discussed below.

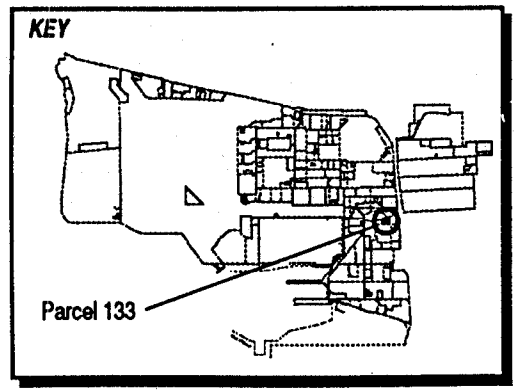
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 133, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel were determined from the non-intrusive investigative phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine area on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 132, 134, 141, 142, 143, 144, 145, 146, 147, 148, 149, 152, 153, 164, 210, 211, and 214. This parcel zone has been designated the Southeastern Refinery and Heavy Industrial Zone (Zone 22). The Southeastern Refinery and Heavy Industrial Zone encompasses the parcels that have been used as refinery or refinery support facilities, or industrial or industrial support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data





LEGEND

- Storm Sewer Line
- Sewer Line
- Surface Soil Sample Location
- Soil Vapor Sample Location (Canonie, 1990)
- Proposed CPT/Hydropunch
- Sanitary Sewer Manhole
- Catch Basin

1"= 60'

Magnetic
True North

Figure 6-133-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/DS/06.29.94

evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 22.

This parcel is located on the area formerly known as Old Alameda Point, and was part of the original peninsula of Alameda.

Currently, one building (Building 552) covers approximately five percent of the parcel. The remaining 95 percent is open space. The parcel is currently in use for vehicle parking. One building may have been formerly located on the parcel as evidenced by an unused concrete foundation. No other evidence of former buildings or structures exists on the parcel. Sewer lines are present on this parcel and are shown on Figure 6-133-1.

Parcel 133 is located adjacent to two Installation Restoration (IR) Program sites (IR sites 3 and 4). Previous investigations have been conducted at Parcel 133 and specific data regarding potential chemical occurrence are available. Releases associated with IR Site 3 (Area 97) may have historically impacted Parcel 133. Soil vapor sampling results were compiled in a 1993 report prepared by PRC Environmental Manage-ment, Inc., under contract N62474-88-D-5086, entitled *Naval Air Station, Alameda: Data Summary Report RI/FS Phases 1 and 2A.* Ongoing (follow-up) sampling is being performed by the IR contractor.

As part of a former screening-level sampling effort for IR Site 3 summarized in the 1993 PRC report, a total of four soil vapor survey points (F-13, F-14, F-15, and G-13) were located on Parcel 133. This investigation was conducted by Canonie in 1990. The soil vapor was analyzed for benzene, toluene, ethyl benzene, xylene and total hydrocarbons. The concentration ranges for the analytes listed above are: 0.04 µg/L, 0.05 - 0.06 µg/L, 0.05-0.06 µg/L, 0.06 µg/L, and 0.04 - 2 µg/L, respectively.

The 1993 PRC report indicated that all organic compounds were found at concentrations below USEPA's January 1994 industrial and unrestricted use preliminary remediation goals (PRGs) for benzene, toluene, ethyl benzene, xylene and total hydrocarbons. The IR contractor has proposed follow-up sampling for Parcel 133, including one CPT/Hydropunch as shown in Figure 6-133-1.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 552

Building 552 was constructed between 1975 and 1985 and served as a primary electrical substation (Figure 6-133-1). This building is in moderately good condition. Building 552 is a one-story building constructed of concrete with a metal roof, and covers approximately 3,200 square feet. The space occupied by Building 552 was formerly open space used for vehicle parking.

Utilities located within and immediately surrounding Building 552 include underground sanitary sewer, water, electricity, and storm sewer lines. No permits appear to have been issued for activities conducted this building.

Information collected during the EBS indicates that Building 552 has served as a primary electrical substation since its construction. Use of the building as an electrical substation involved the use of transformers and air switches. No known chemicals or wastes were generated from the use of this equipment within the building.

No chemical storage or use has been documented to have occurred in Building 552. No known spills or staining have occurred in this building. No incidents including fires, mishaps, or flooding are known to have occurred within or immediately surrounding Building 552.

Open Space

The open space covers approximately 95 percent of the parcel. This open space has been used for vehicle parking since pavement was laid. Approximately 90 percent of the paved area is surfaced with asphalt and 10 percent is covered with concrete. The pavement is generally in fair condition.

Structures located within the open space include railroad tracks, an oil-filled switching gear, a concrete foundation of a demolished building, and three transformers. Of the three transformers, two are relatively clean, and one has heavy staining on its underlying concrete pad. Transformers are being addresses under a separate program. Contents of this transformer, (regarding PCBs) should be determined from this program before any environmental sampling is conducted.

Utilities located within and immediately surrounding the open space include underground sanitary and storm sewers.

EBS information indicates that this open space has historically served as a vehicle parking area. No documented chemical storage or use has occurred in this area. One incident involving a leak from an oil-filled switching gear was documented. The switching gear, located along the west edge of the parcel, has a stain covering approximately 6 square feet in area (the entire base of the switch).

No other incidents, including fires, mishaps, or flooding are documented to have occurred within this open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground storage tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 133 is bounded by Parcels 130, 131, 132, 134, and 143. Parcels 131 and 143 are IR Sites 3 and 4, respectively. Activities of concern on Parcel 131 include hazardous materials and waste storage. Neighboring Parcel 143 contains IR Site 4 (Building 360). Activities of concern at Building 360 include painting, sandblasting, and plating. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 133, than additional sampling on Parcel 132 may be appropriate. (Note that recent resampling at Parcel 144, which is in the prevailing down wind direction from Parcel 143, did not show significantly elevated levels of metals.)

RCRA Sites

This parcel contains no RCRA sites.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 133, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for

TABLE 6-133-1

Summary of Data Gaps
NAS Alameda Parcel 133

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 133.
Installation Restoration (IR) Sites	• Parcels 131 and 143 are IR Sites 3 and 4, and are located north and south of Parcel 133, respectively. Activities of concern at Building 360 (IR Site 4) include painting, sandblasting, and plating. Activities of concern at IR Site 3 include hazardous materials and waste storage. Soil vapor survey sample results are available for the parcel. Additional subsurface investigation relative to IR Site 3 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR Site parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps ae disclosure issues, only.

TABLE 6-133-1

Summary of Data Gaps
NAS Alameda Parcel 133

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-133-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 133 because no industrial buildings are present.

Once the data gaps in Table 6-133-1 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 133 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

One zone-wide target area was identified for Parcel 133. No parcel-specific target areas were identified for this parcel. The zone-wide target areas include the railroad tracks located on the northern portion of the parcel. However, the samples proposed for the zone-wide target area are located on adjacent parcels; no sampling has been proposed for this parcel. The zone-wide target area is described in detail in the Zone Analysis Plan for Zone 22.

SECTION 6-134

PARCEL 134 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 134 at NAS Alameda (Figure 6-134-1). The parcel, which is located in the southeastern portion of the base, is approximately seven acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains five RCRA sites. None of the RCRA sites on Parcel 134 have been identified in the Part B Permit as requiring an RFI. Five parcel-specific and two zone-wide target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface soil sampling. Table 6-134-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 134, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 134, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigative phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 132, 133, 141, 142, 143, 144, 145, 146, 147, 148, 149, 152, 153, 164, 210, 211, and 214. This parcel zone has been designated the Southeastern Refinery and Heavy Industrial Zone (Zone 22). The Southeastern Refinery and Heavy

TABLE 6-134-1

Summary of Recommended Samples
NAS Alameda Parcel 134

Sample Number	Sample Depth	Sample Type	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
134-1-3-S-V-DDMMYY	3.0'	Subsurface	Target Area 1	Solvents	VOCs	CLP RAS
134-1-3-S-S-DDMMYY	3.0'	Subsurface	Target Area 1	Fuels, Oils	TPH, Metals	Test Kit, XRF
134-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Target Area 1	Fuels, Oils	TPH, Metals	Test Kit, XRF
134-2-3-S-V-DDMMYY	3.0'	Subsurface	Target Area 1	Solvents	VOCs	CLP RAS
134-2-3-S-S-DDMMYY	3.0'	Subsurface	Target Area 1	Fuels, Oils	TPH, Metals	Test Kit, XRF
134-2-3-S-V-DDMMYY*	3.0'	Subsurface	Target Area 1	Fuels, Oils	TPH, Metals	Mod. EPA 8015, CLP RAS
134-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Target Area 1	Fuels, Oils	TPH, Metals	Test Kit, XRF
134-2-0-S-V-DDMMYY*	0.0-0.5'	Surface	Target Area 1	Fuels, Oils	TPH, Metals	Mod. EPA 8015, CLP RAS
134-3-3-S-V-DDMMYY	3.0'	Subsurface	Target Area 1	Solvents	VOCs	CLP RAS
134-3-3-S-S-DDMMYY	3.0'	Subsurface	Target Area 1	Fuels, Oils	TPH, Metals	Test Kit, XRF
134-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Target Area 1	Fuels, Oils	TPH, Metals	Test Kit, XRF
134-4-3-S-V-DDMMYY	3.0'	Subsurface	Target Area 1	Solvents	VOCs	CLP RAS
134-4-3-S-S-DDMMYY	3.0'	Subsurface	Target Area 1	Fuels, Oils	TPH, Metals	Test Kit, XRF
134-4-3-S-V-DDMMYY*	3.0'	Subsurface	Target Area 1	Fuels, Oils	TPH, Metals	Mod. EPA 8015, CLP RAS
134-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Target Area 1	Fuels, Oils	TPH, Metals	Test Kit, XRF
134-4-0-S-V-DDMMYY*	0.0-0.5'	Surface	Target Area 1	Fuels, Oils	TPH, Metals	Mod. EPA 8015, CLP RAS
134-5-3-S-V-DDMMYY	3.0'	Subsurface	Target Area 1	Solvents	VOCs	CLP RAS
134-5-3-S-S-DDMMYY	3.0'	Subsurface	Target Area 1	Fuels, Oils	TPH, Metals	Test Kit, XRF
134-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Target Area 1	Fuels, Oils	TPH, Metals	Test Kit, XRF
134-6-3-S-V-DDMMYY	3.0'	Subsurface	Target Area 1	Solvents	VOCs	CLP RAS
134-6-3-S-S-DDMMYY	3.0'	Subsurface	Target Area 1	Fuels, Oils	TPH, Metals	Test Kit, XRF
134-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Target Area 1	Fuels, Oils	TPH, Metals	Test Kit, XRF
134-7-3-S-V-DDMMYY	3.0'	Subsurface	Target Area 1	Solvents	VOCs	CLP RAS
134-7-3-S-S-DDMMYY	3.0'	Subsurface	Target Area 1	Fuels, Oils	TPH, Metals	Test Kit, XRF

TABLE 6-134-1

Summary of Recommended Samples
NAS Alameda Parcel 134

Sample Number	Sample Depth	Sample Type	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
134-7-0-S-S-DDMMYY	0.0-0.5'	Surface	Target Area 1	Fuels, Oils	TPH, Metals	Test Kit, XRF
134-8-3-S-S-DDMMYY	3.0'	Subsurface	Target Area 2	Fuels, Oils	TPH	Test Kit
134-9-3-S-S-DDMMYY	3.0'	Subsurface	Target Area 2	Fuels, Oils	TPH	Test Kit
134-10-3-S-S-DDMMYY	3.0'	Subsurface	Target Area 2	Fuels, Oils	TPH	Test Kit
134-10-3-S-V-DDMMYY*	3.0'	Subsurface	Target Area 2	Fuels, Oils	TPH	Modified EPA 8015
134-11-3-S-V-DDMMYY	3.0'	Subsurface	Target Area 3	Solvents	VOCs	CLP RAS
134-11-3-S-S-DDMMYY	3.0'	Subsurface	Target Area 3	Fuels, Oils	TPH, metals	Test Kit, XRF
134-11-3-S-V-DDMMYY*	3.0'	Subsurface	Target Area 3	Fuels, Oils	TPH, metals	Mod. EPA 8015, CLP RAS
134-11-0-S-S-DDMMYY	0.0-0.5'	Surface	Target Area 3	Fuels, Oils	TPH, metals	Test Kit, XRF
134-11-0-S-V-DDMMYY*	0.0-0.5'	Surface	Target Area 3	Fuels, Oils	TPH, metals	Mod. EPA 8015, CLP RAS
134-12-3-S-V-DDMMYY	3.0'	Subsurface	Target Area 3	Solvents	VOCs	CLP RAS
134-12-3-S-S-DDMMYY	3.0'	Subsurface	Target Area 3	Fuels, Oils	TPH, metals	Test Kit, XRF
134-12-0-S-S-DDMMYY	0.0-0.5'	Surface	Target Area 3	Fuels, Oils	TPH, metals	Test Kit, XRF
134-13-3-S-V-DDMMYY	3.0'	Subsurface	Target Area 3	Solvents	VOCs	CLP RAS
134-13-3-S-S-DDMMYY	3.0'	Subsurface	Target Area 3	Fuels, Oils	TPH, metals	Test Kit, XRF
134-13-0-S-S-DDMMYY	0.0-0.5'	Surface	Target Area 3	Fuels, Oils	TPH, metals	Test Kit, XRF
134-14-3-S-V-DDMMYY	3.0'	Subsurface	Target Area 4	Paints, solvents, cyaninde	VOCs, SVOCs, reactives	CLP RAS, Chapter 7 SW 846
134-14-3-S-S-DDMMYY	3.0'	Subsurface	Target Area 4	Fuels, Oils	TPH, metals	Test Kit, XRF
134-14-3-S-V-DDMMYY*	3.0'	Subsurface	Target Area 4	Fuels, Oils	TPH, metals	Mod. EPA 8015, CLP RAS
134-15-3-S-V-DDMMYY	3.0'	Subsurface	Target Area 4	Paints, solvents, cyaninde	VOCs, SVOCs, reactives	CLP RAS, Chapter 7 SW 846
134-15-3-S-S-DDMMYY	3.0'	Subsurface	Target Area 4	Fuels, Oils	TPH, metals	Test Kit, XRF

TABLE 6-134-1

Summary of Recommended Samples
NAS Alameda Parcel 134

Sample Number	Sample Depth	Sample Type	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
134-16-0-S-S-DDMMYY	0.0-0.5'	Surface	Target Area 5	Fuels, Oils	TPH	Test Kit
134-17-0-S-S-DDMMYY	0.0-0.5'	Surface	Target Area 5	Fuels, Oils	TPH	Test Kit
134-18-0-S-S-DDMMYY	0.0-0.5'	Surface	Target Area 5	Fuels, Oils	TPH	Test Kit
134-18-0-S-V-DDMMYY*	0.0-0.5'	Surface	Target Area 5	Fuels, Oils	TPH	Modified EPA 8015
134-19-0-S-S-DDMMYY	0.0-0.5'	Surface	Target Area 5	Fuels, Oils	TPH	Test Kit
134-20-0-S-S-DDMMYY	0.0-0.5'	Surface	Target Area 5	Fuels, Oils	TPH	Test Kit
Z22-4-0-S-V-DDMMYY	0.0-0.5'	Surface	Zone 22 Target Area 2	Creosote, Railroad Tie Tar	SVOCs	CLP RAS
Z22-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Zone 22 Target Area 2	Fuels, Oils, PCBs	TPH, PCBs, Lead	Test Kit, XRF
Z22-5-0-S-V-DDMMYY	0.0-0.5'	Surface	Zone 22 Target Area 2	Creosote, Railroad Tie Tar	SVOCs	CLP RAS
Z22-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Zone 22 Target Area 2	Fuels, Oils, PCBs	TPH, PCBs, Lead	Test Kit, XRF
Z22-6-0-S-V-DDMMYY	0.0-0.5'	Surface	Zone 22 Target Area 2	Creosote, Railroad Tie Tar	SVOCs	CLP RAS
Z22-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Zone 22 Target Area 2	Fuels, Oils, PCBs	TPH, PCBs, Lead	Test Kit, XRF
Z22-7-0-S-V-DDMMYY	0.0-0.5'	Surface	Zone 22 Target Area 2	Creosote, Railroad Tie Tar	SVOCs	CLP RAS

TABLE 6-134-1

Summary of Recommended Samples
NAS Alameda Parcel 134

Sample Number	Sample Depth	Sample Type	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z22-7-0-S-S-DDMMYY	0.0-0.5'	Surface	Zone 22 Target Area 2	Fuels, Oils, PCBs	TPH, PCBs, Lead	Test Kit, XRF
Z22-7-0-S-V-DDMMYY*	0.0-0.5'	Surface	Zone 22 Target Area 2	Fuels, Oils, PCBs	TPH, PCBs, Lead	Modified EPA 8015, CLP RAS
Z22-8-0-S-V-DDMMYY	0.0-0.5'	Surface	Zone 22 Target Area 2	Creosote, Railroad Tie Tar	SVOCs	CLP RAS
Z22-8-0-S-S-DDMMYY	0.0-0.5'	Surface	Zone 22 Target Area 2	Fuels, Oils, PCBs	TPH, PCBs, Lead	Test Kit, XRF

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

Industrial Zone encompasses the parcels that have been used as refinery or refinery support facilities, or industrial or industrial support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 22.

Part of Parcel 134 is located in an area formerly known as Old Alameda Point; Old Alameda Point is part of the original peninsula of Alameda. Filling that occurred at the parcel was done on the western periphery of the parcel. Filling of this area began in approximately 1942 and was completed as of 1946; the ground level and grading have not changed significantly since that time.

Currently, three buildings (Buildings 372, 163, and 414) cover approximately 10 percent of the parcel. The remaining 90 percent is open space. The parcel area is presently used for chemical and material storage. Building 107 was formerly located on the parcel and has since been demolished. Underground storage tanks, sewer lines and fuel lines are present on this parcel and are shown on Figure 6-134-1.

Parcel 134 is located east of Installation Restoration (IR) Program Site 19 (incinerator), IR Site 11 (Building 14), and IR Site 7B (Building 162); south of IR Sites 4 (Building 360) and 3 (tanks); and west of IR Site 17 (Seaplane Lagoon). Documents suggest possible chemical migration concerns due to these IR Sites. No previous investigations have been conducted at Parcel 134, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 372

Building 372 was constructed in 1953 and has served as an engine testing facility since that time. Building 372 is constructed of concrete with a concrete floor and composite-construction roof. This building is in fair condition. Building 372 is a two-story building covering approximately 18,500 square feet. An extension of the building, located midway along the south wall, is used to store electrical equipment.

The steam pipes that run along the north edge of this building are insulated with potential ACM. An air quality permit was issued for turbine engine testing and solvent cleaning in Building 372.

Utilities located within and immediately surrounding this building include underground natural gas, sanitary sewer, storm sewer, telephone, electrical, steam, water, abandoned fuel, and industrial sewer lines, and overhead electrical lines. Two transformers are located in the open space south of Building 372.

Information collected during the EBS indicates that activities conducted within this building included engine testing. Significant chemical storage is documented to have occurred in the building. The north test cell is presently used for parts storage; fuels and lubricants were previously stored in the north test cell. During visual inspection, a 55 gallon drum of cleaning compounds was observed in the south testing cell. Two lubricating oil systems are located in a room on the first floor at the west end of the building. GAP Site 61 is also located in this building. At the time of visual inspection 55 gallons of oil, 165 gallons of empty aerosol cans, and 10 gallons of adhesive were being stored in this area. Three-hundred gallons of non-halogenated organic compounds were noted in Building 372 during the site inspection. The chemicals were being stored between test cells on the east side near an aircraft oil storage location. No staining was noted in this area at the time of the site inspection.

On the second floor, at the west end of Building 372, fuel and oil systems are located on the north and south side of the room. They are no longer in use. Approximately 20 percent of the floor is spotted with stains. To the northeast of this room lies another concrete room with a lubricating oil system; this system is on the west end of the room. These stained areas will not be sampled because they are located on the second floor, and are thus constitute only an industrial hygiene issue.

There have been numerous releases documented in and around Building 372. Both the north and south test cells are stained over 80 percent of the floor; there were no documented cleanup activities at either location. These stained areas are addressed in Target Area 1. A pinhole leak in a fuel line caused the release of unspecified amounts of JP-5. No cleanup was documented in the EBS files. A 3,000 gallon spill of aviation fuel occurred at Building 372. The response action resulted in the spill area being backfilled with clean soil. Another fuel spill occurred in the southwest corner of Building 372; information about the quantity released and cleanup of this spill was not available. This spill is addresses by Target Area 2. An oil/water separator is also present in this building and is used for disposal of water mixed with jet

fuels and/or oil. Currently, hazardous waste is taken to GAP Site 61 at the west end of the building on the first floor, and GAP site personnel subsequently remove the waste.

No incidents, such as fires, mishaps, flooding, or crashes, are documented to have occurred within or immediately surrounding Building 372.

Building 163

Building 163 was constructed in 1939 and currently serves as an area for aircraft overhaul and maintenance (Figure 6-134-1). Building 163 formerly served as part the Pacific Coast Borax Works, and is the only building remaining from that facility. This building is in fair condition. Building 163 is a one-story building constructed of brick with concrete floors and a composite roof. It covers approximately 12,000 square feet. The floor in this building was noted to be in poor condition during visual inspections. Insulation in Building 163 is documented to contain ACM. Air quality permits regarding abrasive blasting and freon recovery/recycling were issued for this building.

Utilities located within and immediately surrounding Building 163 include underground natural gas, sanitary sewer, storm sewer, telephone, electrical, steam, water, abandoned fuel, and industrial sewer lines, and overhead electrical lines.

Information collected during the EBS indicates that aircraft maintenance has been conducted within this building since the late 1940s. Metals, corrosives, petroleum products, halogenated organic compounds, paint and non-halogenated organic compounds are documented to have been stored in Building 163. A maximum of 1600 gallons of these chemicals were stored in the building. Small capacity chemical storage cabinets exist in Building 163 in the welding and machine shop areas. No information is available regarding past methods of chemical disposal.

Site reviewers noted a 30 foot by 50 foot black stain, of medium intensity, in the northwest corner of the building's machine shop. The concrete floor is in poor condition in the area of this stain. This staining is addressed by Target Area 3.

No incidents, such as fires, mishaps, flooding, or crashes, are documented to have occurred within or immediately surrounding Building 163.

Building 414

Building 414 was constructed in 1957 and has served as a hazardous materials storage area (Figure 6-134-1) since that time. This building is in fair condition. Building 414 has concrete floors and metal walls; it covers approximately 1,600 square feet.

Utilities located within and immediately surrounding Building 414 include underground natural gas, sanitary sewer, storm sewer, electrical, steam, water, abandoned fuel and industrial sewer lines, and overhead electrical lines.

Information collected during the EBS indicates that activities conducted within this building have consisted mainly of hazardous materials storage. An IWTP treating wastewater from the former plating shop in Building 360 is located in the northern part of Building 414. This IWTP is no longer in service, and will be investigated as part of the industrial waste sewer program. The contaminants potentially present in the wastewater are metals, corrosives, petroleum products, fuels, paints, and halogenated and non-halogenated organics. Quantities of release coating, ammonium hydrogen fluoride, caustic soda, caustic potash, isopropanol, paint stripper, and solvents are documented to have been stored in the northern-most compartment of Building 414. New blasting media (including plastic and red grit), plastic packing material, and 300 gallons of paint are stored in the two southern compartments; paint and solvents are stored only in the southern-most compartment. All material in this building are stored on pallets. A berm in the north most compartment separates the alcohol and release coating from other stored materials.

Based upon the visual inspection, the floors in Building 414 have sustained extensive staining from storage of lubrication oil. The staining on the floor of Building 414 is addressed by Target Area 4.

No incidents, such as fires, mishaps, flooding, or crashes, are documented to have occurred within or immediately surrounding this building.

Open Space

Open space covers approximately 90 percent of the parcel. The ground surface of the open space is completely paved. Approximately 90 percent of the paved area is surfaced with asphalt and 10 percent is covered with concrete. The pavement is generally in fair condition. Railroad tracks are located throughout most of the parcel open space. There are also two pre-treatment sites for wastewater and five pump

stations. Fifty thousand gallons of wastewater are handled daily at these two pretreatment sites. Based on EBS information, the wastewater pre-treatment process treats wastewater generated from operations conducted in the buildings located on Parcel 134. The contaminants potentially present in the wastewater are metals, corrosives, petroleum products, fuels, paints, and halogenated and non-halogenated organics.

Utilities located within and immediately surrounding the open space include underground natural gas, sanitary sewer, storm sewer, electrical, steam, water, abandoned fuel and industrial sewer lines, and overhead electrical lines. Two transformers are located in the open space, south of Building 372.

Former Building 107 was constructed in 1940 and served as a cafeteria. It was a temporary structure that covered approximately 6,100 square feet of the parcel. It is unclear, based on aerial photographs and documentation, when this building was demolished.

EBS information indicates that activities conducted within this open space included vehicle parking, drum storage, equipment parking, and general material, equipment, and chemical storage. EBS files indicate the presence of 40 to 50 gallons of paint in the southern portion of the parcel near Building 170 on Parcel 164.

GAP Site 59 is located in this open space. It is a fenced area between Buildings 163 and 414. There are approximately 1,200 gallons of petroleum products in storage tanks at this GAP Site. During visual inspection, extensive staining was noticed in this area, particularly around drip pans. This area is addressed by Target Area 5. Overflows from storage tanks in this area reportedly flow east to a drain which is reportedly connected to a UST.

The area surrounding Building 372 is used for storage. The ground surface is paved with asphalt that is in good condition. During the visual inspection, numerous storage tanks used for collection of oils were observed along the western perimeter of Building 372. An unknown piece of equipment, likely an oil/water separator or sump, was observed west of Building 372. This piece of equipment contained an unknown amount of an oily product. A documented fuel leak of approximately 100 to 200 gallons occurred in 1983 on the west side of Building 372; the documentation indicates that the spill was cleaned up immediately. Potential impacts from fuel storage and undocumented spills are addressed by Target Area 2.

No incidents, such as fires, mishaps, flooding, or crashes, are documented to have occurred in the open space.

Underground Storage Tanks

One abandoned underground storage tank is present at this parcel (no record regarding the tank number for this tank is available). This tank was installed in 1953 and is located west of Building 372. There is conflicting data regarding USTs on this parcel. The NAS Alameda UST Inventory identifies one 6,000-gallon UST located at Building 372 that was used to store waste gear oil. This tank was identified during the RFI. The EBS information identifies a 6,000-gallon UST at Building 372 used to store jet fuel. In addition, one unidentified UST at Building 163 is listed for this parcel. The contents, exact location, or installation date for this tank could not be determined during the EBS. The tank(s) is/are scheduled for closure. The available information did not identify why the tank(s) was abandoned. However, based on general comments made by NAS Alameda personnel, a tank was most commonly abandoned because it was leaking.

Parcel Boundary Conditions

Parcel 134 is bounded by Parcels 142, 147, 141, 140, 164, 200, 137, 135, 131, 133, and 143. Areas of concern among these adjacent parcel include IR Site 3 to the north, IR Site 4 to the east, IR Site 19 to the south, and IR Sites 7B, 11, and 17 to the west. All of these sites are located within 500 feet of Parcel 134. In addition, underground storage tanks are located at nearby parcels.

Proposed sampling as part of the investigation for IR Site 3 includes two boring and one monitoring well in the northern portion of Parcel 134. Additionally, proposed sampling for IR Site 19 includes one CPT/HydroPunch and one monitoring well along the eastern border of Parcel 134. If the investigations at the IR Sites reveal continued concerns at Parcel 134, then additional sampling on Parcel 134 may be appropriate.

RCRA Sites

This parcel includes five RCRA sites (GAP Site 59, GAP Site 61, an unidentified SWMU site, an unidentified AOC, and a 6,000 gallon RCRA UST located west of Building 372). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, of the five RCRA sites at this parcel, two sites (GAP Site 59 and the AOC) require further investigation. One site (GAP Site 61) does not require sampling. A response action is currently scheduled for the unidentified SWMU. Additional (confirmation

sampling) data are required for the SWMU before further sampling recommendations can be made. The UST will be investigated as part of the UST program. The tank was identified as a RCRA tank based on its inclusion in the RFI. A description of the tank is provided in the Underground Storage Tank subsection above. A brief description of each of the RCRA sites is provided below. The sampling proposed for the two sites that require sampling is described in the Target Areas and Compounds of Concern subsection.

GAP Site 59 is defined as Shop 96232, Building 163. It is located in the open space on the parcel in a fenced area between Buildings 163 and 414. Staining was noted during visual inspection, although there are no documented releases. The chemicals of concern include petroleum products and lubricating oil. Gap Site 59 is approximately 50 feet by 70 feet and contains both 55 and 30 gallon drums. Based upon the site inspection, this area is currently active. Because extensive staining was noted during the site inspection, additional investigation is proposed for this area in Target Area 5.

GAP Site 61 is defined as Shop 96232, Building 372. It is located in the oil filter room. There are no documented releases in this area. The chemicals of concern in this area include acetone, naptha with solvents (MEK), paint and thinner, TCA, and MX-4M solvent. GAP Site 61 is approximately 10 feet by 10 feet and contains 55 and 30 gallon drums and 5 gallon containers. This site is currently active. Because no staining was noted during the site inspection, no further investigation is required at this site.

The unidentified SWMU site is defined as the documented JP-5 fuel spill. The spill occurred when a UST overflowed. The site is located in the southwest corner of Building 372. The dimensions of the site are unknown. The chemical of concern associated with this site is JP-5 fuel. It is currently being investigated as part of the RCRA Corrective Action program. If confirmatory samples following soil removal indicate further investigation is required, then additional sampling may be proposed for this area.

The unidentified AOC site is defined as Test Cells 13 and 14 in Building 372. There have been documented releases of fuel in this area. Each test cell is 30 feet by 75 feet in size, and stores JP-5 fuel. Due to the known releases at these two test cells, additional sampling has been proposed in this area as part of Target Area 1.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 134, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-134-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewer lines is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

The one-time compliance program will determine whether further sampling or cleanup measures are required within the buildings on this parcel before transfer or lease can occur.

Once the data gaps in Table 6-134-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 134 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains five parcel-specific target areas and is also contained in a zone with two zone-wide target areas. This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target areas. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 22. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the

TABLE 6-134-2

Summary of Data Gaps
NAS Alameda Parcel 134

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• Areas of concern among adjacent parcels include IR Site 3 to the north, IR Site 4 to the east, IR Site 19 to the south, and IR Sites 7B, 11, and 17 to the west. In addition, underground storage tanks are located at nearby parcels. Proposed sampling as part of the investigation for IR Site 3 includes two boring and one monitoring well in the northern portion of Parcel 134. Additionally, proposed sampling for IR Site 19 includes one CPT/HydroPunch and one monitoring well along the eastern border of Parcel 134.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR site parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks. • Incinerator.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-134-2

Summary of Data Gaps
NAS Alameda Parcel 134

Data Gap	Status/Description
Potential Parcel-Specific Release Areas	• Building 372. • Western End of Building 372. • Building 163. • Building 414. • GAP Site 59.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• At least one abandoned underground storage tank is present at this parcel (no tank number available). There is conflicting data regarding UST(s) on this parcel. The NAS Alameda UST Inventory identifies one 6,000-gallon UST located at Building 372 that was used to store waste gear oil. This tank was identified during the RFI. The EBS information identifies a 6,000-gallon UST at Building 372 used to store jet fuel. In addition, one unidentified UST at Building 163 is listed for this parcel. The tank(s) is/are scheduled for closure.
Underground Utilities	• Natural gas, sanitary sewer, storm sewer, electrical, water, abandoned industrial sewer lines, and overhead electrical lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Active underground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

field based on visual observation and accessibility. The following target areas were identified based on the potential release areas described above and listed in Table 6-134-2.

- Target Area 1 (Building 372, RCRA AOC): This target area addresses the possible release of compounds of concern associated with fuel, oil, solvents, and lubricating oil within Test Cell 13, Test Cell 14, and the Preparation room, as indicated by staining in these areas. The size of this area on the first floor of Building 372 is approximately 10,000 square feet. The likelihood of environmental impacts having occurred within this target area is classified as suspect.

- Target Area 2 (Western End of Building 372): This target area addresses the possible release of compounds of concern associated with petroleum products related to storage of product in this area. Confirmation of cleanup of a known release in this area will also be accomplished by sampling this area. The size of this area adjacent to Building 372 is approximately 2,000 square feet. The likelihood of environmental impacts having occurred within this target area is classified as potential.

- Target Area 3 (Building 163): This target area addresses the possible release of compounds of concern associated with use and storage of metals, corrosives, petroleum products, halogenated organic compounds, paint and non-halogenated organic compounds throughout the building. The size of the stained area within Building 163 is approximately 1,500 square feet. The likelihood of environmental impacts having occurred within this target area is classified as potential.

- Target Area 4 (Building 414): This target area addresses the possible release of compounds of concern associated with storage of paint stripper and solvents within Building 414, primarily in the northern- and southern-most storage areas, as evidenced by staining in these areas. This target area is intended to investigate potential surface contamination from storage of chemicals in this building. Sampling for the underground lines associated with the IWTP will be addressed by IT Corp. The compounds of concern in this target area are TPH, VOCs, cyanide, and metals. The size of this area within Building 414 is approximately 1,000 square feet. The likelihood of environmental impacts having occurred within this target area is classified as potential.

- Target Area 5 (GAP Site 59, between Buildings 163 and 414): This target area addresses the possible release of compounds of concern associated with storage of petroleum products and lubricating oil, as

evidenced by staining at this GAP site. The size of this target area is approximately 2,500 square feet. The likelihood of environmental impacts having occurred within this target area is classified as potential.

- Zone 22 Target Area 1 (Former Incinerator): This target area includes Parcels 134, 141, 142, 143, 146, 147, 152, 153, 164, 210, and 211 in Zone 22, and Parcels 139, 140, 150, 151, 154, and 201 in Zone 19, and encompasses the parcels located downwind of the former incinerator in former Building 68. Classes of compounds of concern possible within this target area include dioxins and furans. The likelihood of environmental impact within this target area is classified as potential. However, the samples proposed for the zone-wide target area are located on adjacent parcels; no sampling in this target area is proposed for this parcel. The zone-wide target area is described in detail in the Zone Analysis Plan for Zone 22.

- Zone 22 Target Area 2 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Southeastern Refinery and Heavy Industrial Zone. Railroad tracks are located in the northern portion of the parcel. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas. Five of the eight surface soil samples for this zone target area are located on this parcel. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means. The samples to be collected in this target area are listed in Table 6-134-1. The approximate sampling locations are shown on Figure 6-134-1.

Screening-Level Investigation

Several screening-level techniques will be employed to assess conditions in target areas and to identify areas that require further sampling in the follow-up detailed evaluation phase. Surface soil sampling (SOP 3), and subsurface Geoprobe soil sampling (SOP 14) will be performed in the target areas. Table 6-134-1 summarizes screening-level sampling and analysis for the parcel's target areas. Twenty surface soil samples and ten subsurface soil samples will be collected from approximate target areas. Locations for these samples are shown on Figures 6-134-1 and 6-134-2. Adjustments to the proposed locations

can be made if warranted by field conditions. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Target Area 1 (First Floor of Building 372): Seven subsurface soil samples and seven surface soil samples will be collected from Target Area 1. Samples will be collected in stain locations and beside storage containers. Potential compounds of concern are TPH, metals, and VOCs. Target Area 1 sampling locations are indicated in Table 6-134-1 and are shown on Figure 6-134-2.

Target Area 2 (Western End of Building 372): Three surface soil samples will be collected from Target Area 3. Samples will be collected at stain locations and beside storage containers. TPH is the compound of concern in this target area. Target Area 2 sampling locations are indicated in Table 6-134-1 and are shown on Figure 6-134-1.

Target Area 3 (Building 163): Three subsurface soil and three surface soil samples will be collected from Target Area 3. Samples will be collected at stain locations, beside storage containers, cabinets or drums, and when applicable, at cracks in the building foundation. Compounds of concern in this target area are metals, TPH, and VOCs. Target Area 3 sampling locations are indicated in Table 6-134-1 and are shown on Figure 6-134-1.

Target Area 4 (Building 414): Two surface soil samples will be collected from Target Area 4. Samples will be collected at stain locations, beside storage containers, cabinets or drums, and when applicable, at cracks in the building foundation. The samples from this target area will be analyzed for TPH, VOCs, and metals. The samples in Target Area 4 are indicated in Table 6-134-1 and are shown on Figure 6-134-1.

Target Area 5 (GAP Site 59): Five surface soil samples will be collected from Target Area 5. Samples will be collected at stain locations and beside storage containers or drums. TPH is the primary compound of concern in this target area. Metals will be analyzed for in one of the samples. Target Area 5 sampling locations are indicated in Table 6-134-1 and are shown on Figure 6-134-1.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-141

PARCEL 141 EVALUATION PLAN

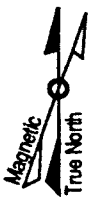
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 141 at NAS Alameda (Figure 6-141-1). The parcel, which is located in the southeastern portion of the base, is 2.7 acres in size and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel does not contain any RCRA sites. Two zone-wide target investigation areas (target areas) have been identified on this parcel. Surface soil sampling will be used to accomplish the screening-level investigation. Table 6-141-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 141, historical activities are discussed below.

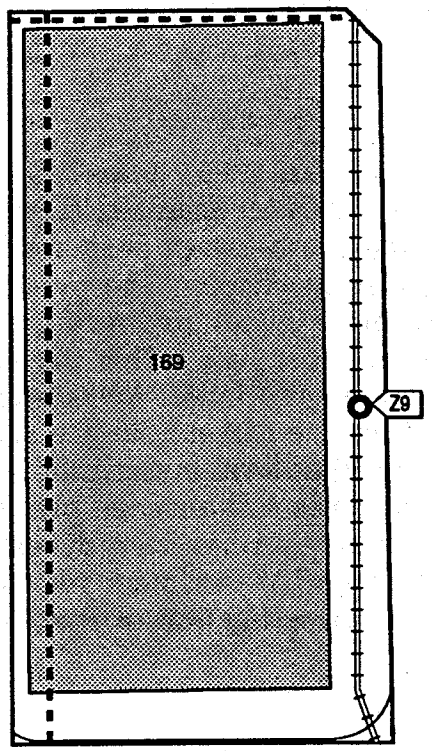
Background and Historical Activities

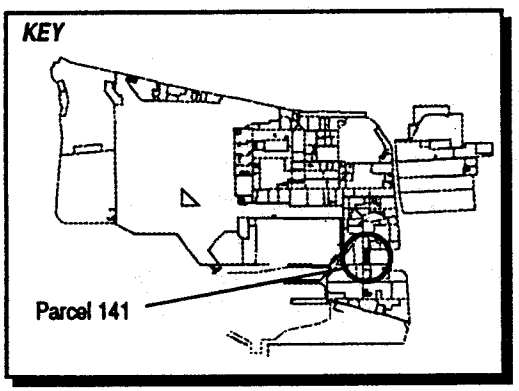
This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 141, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

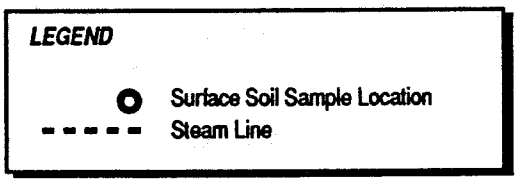
Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 132, 133, 134, 142, 143, 144, 145, 146, 147, 148, 149, 152, 153, 164, 210, 211, and 214. This parcel zone has been designated the Southeastern Refinery and Heavy Industrial Zone (Zone 22). The Southeastern Refinery and Heavy Industrial Zone encompasses the parcels that have been used as refinery or refinery support facilities, or industrial or industrial support facilities. During the sampling program development, the parcels









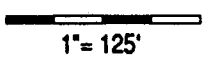


Figure 6-141-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/AMR/06.28.94

TABLE 6-141-1

Summary of Recommended Samples
NAS Alameda Parcel 141

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z22-9-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Fuels, Oils, PCBs	TPH, PCBs, Lead	Test Kits, XRF
Z22-9-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Creosote, Railroad Tie Tar	SVOCs	CLP RAS

located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 22.

Filling began in the area covered by this parcel in approximately 1942. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1946; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 169) covers 90 percent of the parcel. The remaining 10 percent is open space. The parcel area is presently is use as warehouse space. Utilities located within and immediately surrounding this building include sanitary, storm, and industrial sewers, underground electrical distribution lines, potable and fire protection water lines, and steam and condensate lines. Most of these services run north to south along the western edge of this parcel. Steam lines are the only utility actually shown to be located inside the parcel. This information was collected from CAD files provided by NAS Alameds.

Parcel 141 is located within 500 feet of three Installation Restoration (IR) Program sites (IR Sites 9, 13, and 19). Previous investigations have not been conducted at Parcel 141; therefore, no specific data regarding potential chemical occurrence are available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 169

Building 169 was constructed in 1946 to provide general warehouse operation space. This large building is in fair to good condition, and is approximately 87,000 square feet in area, with additional loft space inside. The building is constructed of wood framing with metal siding, concrete floor, and composite roofing.

Information collected during the EBS indicates that activities conducted within this building included miscellaneous material storage,

ordnance storage, minor forklift maintenance, and administrative activities.

Small quantities of oils and propane are stored on site and are utilized to maintain forklifts. Small quantities of waste oil may occasionally be generated during forklift maintenance activities. However, no waste oil is stored at this parcel. Small oil-like stains were located throughout the building interior, likely from forklift operation in the building. This staining is relatively minor on a concrete flooring surface, and will not be sampled as part of this PEP.

No other incidents (e.g., fires, flooding, crashes) are documented to have occurred within or immediately surrounding Building 169.

Open Space

Open space covers approximately 10 percent of the parcel. Approximately 50 percent of the paved area is surfaced with concrete, and 50 percent is covered with asphalt. Concrete paving is present to the north and immediately surrounding Building 169. No buildings or structures are documented to have formerly existed in the open space.

Railroad tracks run north-south along the eastern edge of the open space. No chemicals storage is documented to have occurred in the open space of this parcel. Small oily stains were noted on the surrounding open space. This staining is relatively minor. No other incidents (e.g. floods, crashes, or fires) are documented to have occurred within the open space on Parcel 141.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 141 is bounded by Parcels 134, 147, 153, and 140 to the north, east, south, and west, respectively. Railroad tracks are located along the eastern side of this parcel.

There is a potential impact at Parcel 141 due to waste disposal from the Pacific Coast Oil Company refinery (IR Site 13). Reportedly, some wastes generated by the refinery were disposed of in the nearby marsh

(e.g., Parcel 141 and other former marshlands). In addition, a portion of the fill underlying Parcel 141 was obtained from dredge material from the channel and turning basin during the construction of Pier 3; this fill material is reported to be potentially impacted.

Based on review of information obtained in the IRP and discussions with the IRP contractors, it appears that subsurface soils in the vicinity of Parcel 141 may be impacted by TPH and SVOCs. However, impacted soils are reported to be confined to depths below the water table and will not be addressed in this sampling plan.

No parcels contiguous with Parcel 141 are IR sites, therefore, no sampling is called for in this PEP in response to nearby IR sites. If the continuing investigations at the IR sites reveal a cause for concern, then additional sampling at Parcel 141 may be appropriate.

RCRA Sites

sThis parcel contains no RCRA sites.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 141, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-141-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: radiological concerns, lead-based paint, Installation Restoration sites, transformers, and asbestos. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 141 because no industrial buildings are present.

TABLE 6-141-2

Summary of Data Gaps
NAS Alameda Parcel 141

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 141.
Installation Restoration (IR) Sites	• Parcel 141 is located within 500 feet of three Installation Restoration (IR) Program sites (IR Sites 9, 13, and 19). IR Sites 9, 13, and 19 are located south, east, and northeast, respectively. Additional subsurface investigation relative to IR Site 9 and 13 is proposed by the IR contractor. Based on review of information obtained in the IRP and discussions with the IRP contractors, it appears that subsurface soils in the vicinity of Parcel 141 may be impacted by TPH and SVOCs. Impacted soils are reported to be confined to depths below the water table.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• Based on review of information obtained in the IRP and discussions with the IRP contractors, it appears that subsurface soils in the vicinity of Parcel 141 may be impacted by TPH and SVOCs. Impacted soils are reported to be confined to depths below the water table.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-141-2

Summary of Data Gaps
NAS Alameda Parcel 141

Data Gap	Status/Description
Potential Zone-Wide Release Areas	• Railroad Tracks: This target area includes all current and former railroad track areas within or adjacent to the Southeastern Refinery and Heavy Industrial Zone. Railroad tracks are located in the eastern portion of Parcel 141. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead. • Incinerator: Parcels 134, 141, 142, 143, 146, 147, 152, 153, 164, 210, and 211 may have been impacted by historical airborne releases of dioxins and furans from the incinerator fomerly housed in former Building 68. Building 68 is upwind of these parcels in prevailing wind conditions. No samples for this zone target area will be collected from Parcel 141.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, industrial sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.

TABLE 6-141-2

Summary of Data Gaps
NAS Alameda Parcel 141

Data Gap	Status/Description
Other	• A portion of the fill underlying Parcel 141 was obtained from dredge material from the channel and turning basin during the construction of Pier 3; this fill material is reported to be potentially impacted.

Once the data gaps in Table 6-141-2 are addressed and screening-level sampling results from the target area described below are compared to the appropriate screening levels, Parcel 141 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Two zone-wide target areas were identified for Parcel 141. No parcel-specific target areas were identified for this parcel. The zone-wide target areas are described in detail in the Zone Analysis Plan for Zone 22. The nature and locations of these areas were evaluated to determine field investigation and sampling strategies. The following target areas were identified based on possible impacts from activities described above involving potentially hazardous substances. Samples to be collected in these target areas are listed on Table 6-141-1, and are shown on Figure 6-141-1.

In addition, concerns pertaining to asbestos, lead-based paint, underground lines, and radiological issues must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred. The zone-wide target areas include:

- Zone 22 Target Area 1 (Former Incinerator): This target area includes Parcels 134, 141, 142, 143, 146, 147, 152, 153, 164, 210, and 211 in Zone 22, and Parcels 139, 140, 150, 151, 154, and 201 in Zone 19, and encompasses the parcels located downwind of the former incinerator in former Building 68. Classes of compounds of concern possible within this target area include dioxins and furans. The likelihood of environmental impact within this target area is classified as potential. However, the samples proposed for the zone-wide target area are located on adjacent parcels; no sampling in this target area is proposed on this parcel. The zone-wide target area is described in detail in the Zone Analysis Plan for Zone 22.

- Zone 22 Target Area 2 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Southeastern Refinery and Heavy Industrial Zone. Railroad tracks are located in the northern portion of the parcel. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas. One of the eight surface soil samples for this zone target area is located on this parcel. The proposed confirmation sample is located on an adjacent parcel. Soil samples will be collected from

the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means. The sample to be collected in this target area is listed in Table 6-141-1. The approximate sampling location is shown on Figure 6-141-1.

Z22

SECTION 6-142

PARCEL 142 EVALUATION PLAN

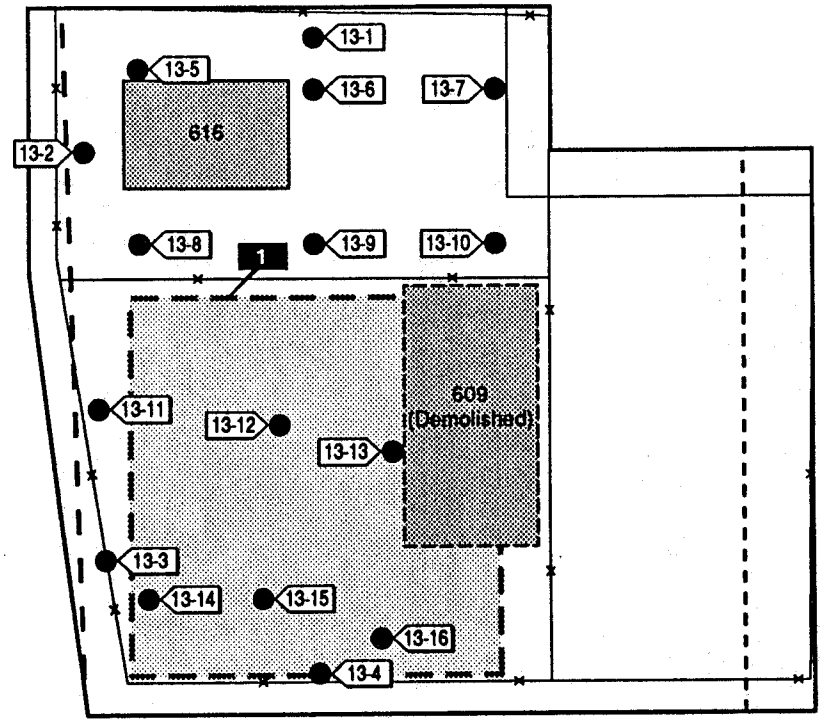
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 142 at NAS Alameda (Figure 6-142-1). The parcel, which is located in the southeastern portion of the base, is approximately two acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA site which is also an IR site (Site 19) and, therefore, is described in the Part B Permit as requiring an RFI. One parcel-specific and one zone-wide target investigation area (target area) have been identified on this parcel. However, due to the ongoing IR investigation at this parcel, no sampling is called for by this PEP. No zone-wide samples will be collected from this parcel; zone-specific samples will be collected from adjacent parcels. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for evaluating Parcel 142, historical activities are discussed below.

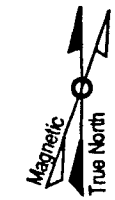
Background and Historical Activities

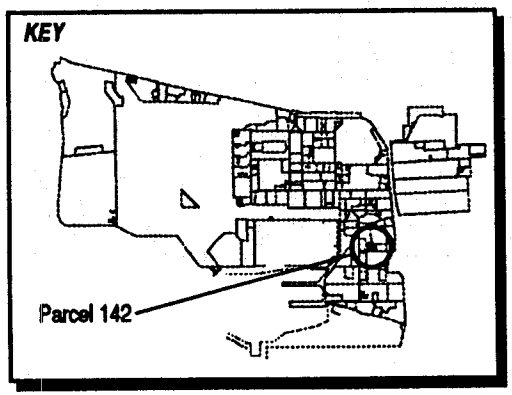
This subsection summarizes EBS information available for the buildings, open spaces, and boundaries of Parcel 142, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other potential areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts due to compounds of concern.

This parcel has been grouped into a zone with Parcels 132, 133, 134, 141, 143, 144, 145, 146, 147, 148, 149, 152, 153, 164, 210, 211, and 214. This parcel zone has been designated the Southeastern Refinery and Heavy Industrial Zone (Zone 22). The Southeastern Refinery and Heavy Industrial Zone encompasses the parcels that have been used as







LEGEND

- Target Area 1
- Fuel Lines in Use
- Storm Sewer Line
- Boring Location *(Canonie Environmental, Inc.)*

Note: *1.) Sampling of Target Area 1 is being addressed by the IR program. No sampling is called for in this PEP.*

1"= 90'

Figure 6-142-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.10/DS/07.07.94

refinery or refinery support facilities, or industrial or industrial support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 22.

The eastern area of this parcel was part of the original peninsula of Alameda. No filling activities have occurred in this area. Filling began in the western area of this parcel in approximately 1942. Prior to this time, this area of the parcel was inundated by San Francisco Bay. The parcel was completely filled as of 1946; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 616) and one structure (D-13, the Hazardous Waste Storage Yard) are present on the parcel. Building 616 covers approximately two percent of the parcel area. The remaining area is either open space or part of Yard D-13. The parcel open space area (other than Yard D-13) is presently used for maintenance equipment and vehicle parking. One building (Building 609) was formerly located on the parcel and has since been demolished. Historically, the entire parcel area has been used for materials storage. Underground fuel and sewer lines are present at this parcel and are shown in Figure 6-142-1.

Parcel 142 is identified as Installation Restoration (IR) Program Site 19. This parcel is also part of IR Site 13, and it is contiguous with IR Site 4. Previous investigations have been conducted at these IR sites. Specific data from 16 borings located on and near Yard D-13 are available. Soil samples from these borings were analyzed for metals, VOCs, and SVOCs. One SVOC exceeded its residential PRG. This compound was benzo(a)pyrene. It exceeded the residential PRG in Borings 13-6 and 13-9. The concentration of benzo(a)pyrene in Boring 13-9 also exceeded its industrial PRG. Figure 6-142-1 presents the approximate locations of the borings. Metals concentrations were compared to typical concentration ranges for soil at NAS Alameda as determined by PRC under CTO 121 Mod. 0001. Copper, lead, and magnesium exceeded the typical range, as indicated in *CLEAN Data Summary Report RI/FS Phase 1 and 2A* (PRC/JMM, 1993). These data, however, were collected during an investigation by Canonie and have not been independently verified.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 616

Building 616 was constructed in 1982 and currently serves as office space and a materials storage area. The building originally served as a hazardous materials storage area. This building is in good condition. It is a one-story building constructed with corrugated metal roofing, wood framing, drywall panels, and a concrete floor. The building floor plan covers approximately 1,800 square feet.

Utilities located in or immediately surrounding Building 616 include sanitary sewer, industrial sewer, and storm sewer, underground electrical distribution, potable water and fire protection water, and underground fuel lines.

No chemical storage, spills or staining was noted in Building 616 during the visual site inspection. No other incidents (e.g., fires, flooding, or crashes) have been documented to have occurred within or immediately surrounding Building 616.

Building 609 (Demolished)

Building 609 was constructed in 1975 and demolished 16 years later in 1991. This 11,000 square foot temporary building was used for engine parts storage. The location of this demolished building is shown on Figure 6-142-1. No other information regarding the use and construction of this former building is available.

Yard D-13

Hazardous Waste Storage Yard D-13 was established in 1984 and currently covers over 30,000 square feet. Sometime after 1992, the yard area was upgraded with the addition of a steel vaulted roof. Secondary containment berms have recently been added as well.

Hazardous wastes including corrosives, halogenated and non-halogenated organics, paints, metals, asbestos, PCBs, petroleum products, and various types of fuel have been historically and are currently stored in this area. The quantity of stored chemicals has exceeded one million gallons at times. The typical documented quantity stored (for the period of 1987 through 1992) is approximately 500,000 gallons. In 1993, 75,000 gallons were documented to be in

storage. Air quality permits were issued for an aboveground waste solvent storage tank and for an aboveground waste oil storage tank.

Several spills were documented for Yard D-13 during the period of 1989-1990. These spills include 50 gallons of nitric acid (1989), ten gallons of PD-680 (1990), ten gallons of poly paint (1990), an unknown amount of zyglow penetrant (1990), and 250 gallons of mixed oil and fuel (1990).

Open Space

The remaining open space (excluding Yard D-13) covers approximately 60 percent of the parcel. The open space is completely paved, mostly with asphalt and partially with concrete. The condition of the asphalt varies from new to very poor. Information collected during the EBS indicates that activities conducted within this open space included materials storage.

Various minor staining is documented in this open space. No other incidents (e.g., fires, flooding, crashes, etc.) have been documented to have occurred within this open space.

Underground Storage Tanks

Two underground storage tanks were formerly present at this parcel No record regarding the tank numbers, installation dates, removal dates, or capacity and material(s) stored is available for these tanks. No information is available regarding the integrity of the tanks. The former presence of these tanks were identified from EBS information. Investigation of these former tanks has not been scheduled.

Parcel Boundary Conditions

Parcel 142 is bounded by Parcels 134, 143, 146, and 147. While Parcel 142 is itself IR Site 19, it is also contiguous with IR Sites 4 and 13. IR Site 13 is located on adjacent parcels 146 and 147 and is the former Pacific Coast Oil Company Refinery which operated from 1879 to 1903. IR Site 4 is Building 360, the engine overhaul facility and is located on Parcel 143. If continuing investigations at either of these contiguous IR sites reveal a cause for concern at Parcel 142, then additional sampling on this parcel may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with the objectives described in Section 1 of the Shell Workplan. This parcel includes one active RCRA site (Building 616 and Yard D-13). This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, this site requires further investigation. In addition, this site is listed in the Part B Permit and must be investigated as part of the RCRA Facility Investigation (RFI) for NAS Alameda. The require-ments for the RFI are described in detail in Section 8. The RCRA site at this parcel will be investigated as part of the IR program. This RCRA site includes Hazardous Waste Storage Yard D-13 and Building 616. The site has had several known releases (they are listed in the previous subsection describing Yard D-13). This site currently has an approximate storage capacity of 75,000 gallons. Chemicals of concern associated with this site include corrosives, halogenated and non-halogenated organics, paints, metals, asbestos, PCBs, petroleum products, and various types of fuel. Yard D-13 has been designated Target Area 1, but no sampling is proposed at this time, pending IR sampling results.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 142, consistent with the objectives described in Section 1 of the Shell Workplan. The available information suggests that this parcel may be reclassified from BRAC Category 7 to BRAC Category 6. Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-142-1 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: asbestos, lead based paint, underground storage tanks, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with USTs, fuel lines, and sewers is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investiga-

TABLE 6-142-1

Summary of Data Gaps
NAS Alameda Parcel 142

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 142.
Installation Restoration (IR) Sites	• Parcel 142 is bounded by Parcels 134, 143, 146, and 147. While Parcel 142 is itself IR Site 19, it is also contiguous with IR Sites 4 and 13. IR Site 13 is located on adjacent parcels 146 and 147 and is the former Pacific Coast Oil Company Refinery which operated from 1879 to 1903. IR Site 4 is Building 360, the engine overhaul facility and is located on Parcel 143. Additional subsurface investigation relative to IR Site 13 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR site parcels identified.
Potential Zone-Wide Release Areas	• Incinerator
Potential Parcel-Specific Release Areas	• Hazardous Waste Storage Yard D-13.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-144-1

Summary of Recommended Samples
NAS Alameda Parcel 144

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
144-8-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Acids, Bases	Reactives	Chapter 7, SW 846
144-8-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Fuels, Oils	TPH, Metals, PCBs	Test Kit, XRF
144-8-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Paints, pesticides	SVOCs, pesticides	CLP RAS
144-8-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Acids, Bases	Reactives	Chapter 7, SW 846
144-9-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH, Metals, PCBs	Test Kit, XRF
144-9-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Paints, pesticides	SVOCs, pesticides	CLP RAS
144-9-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Acids, Bases	Reactives	Chapter 7, SW 846
144-9-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH, Metals, PCBs	Modified EPA 8015, CLP RAS
144-9-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Fuels, Oils	TPH, Metals, PCBs	Test Kit, XRF
144-9-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Paints, pesticides	SVOCs, pesticides	CLP RAS
144-9-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Acids, Bases	Reactives	Chapter 7, SW 846
144-9-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 1	Fuels, Oils	TPH, Metals, PCBs	Modified EPA 8015, CLP RAS

*These are the suggested location for the confirmation samples. The actual locations will depend on field analytical results.

TABLE 6-142-1

Summary of Data Gaps
NAS Alameda Parcel 142

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• Two underground storage tanks were formerly present at this parcel (no record regarding the tank numbers, installation dates, removal dates, or capacity and material stored for these tanks is available). Investigation of these former tanks has not been scheduled.
Underground Utilities	• Storm sewer, industrial sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• Fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

tion and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 142 because no industrial buildings are present. Once the data gaps in Table 6-142-1 are addressed, Parcel 142 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

This parcel contains one/two/several parcel-specific target areas and is also contained in a zone with a zone-wide target area/zone-wide target areas.

This subsection of the PEP discusses the specific parcel target area and provides an overview of the zone-wide target area/s. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone ZZZ. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Yard D-13): This target area is located over Hazardous Waster Storage Yard D-13. The size of this target area, shown on Figure 6-142-1, is approximate, and encompasses the entire storage area. Compounds or classes of compounds of concern possible within this target area include corrosives, metals, VOCs, SVOCs, PCBs, and petroleum products. The likelihood of environmental impact having occurred within this target area is classified as probable. No sampling is called for in this target area by this PEP; however, sampling investigations are currently underway in this area as part of the IR program. Additional sampling in this parcel may be necessary pending the results of the current IR investigations.

- Zone 22 Target Area 1 (Former Incinerator): This target area includes Parcels 134, 141, 142, 143, 146, 147, 152, 153, 164, 210, and 211 in Zone 22, and Parcels 139, 140, 150, 151, 154, and 201 in Zone 19, and encompasses the parcels located downwind of the former incinerator in former Building 68. Classes of compounds of concern possible within this target area include dioxins and furans. The likelihood of environmental impact within this target area is classified as potential. No samples are proposed for the zone-wide

target area on Parcel 142. The zone-wide target area is described in detail in the Zone Analysis Plan for Zone 22.

In addition, concerns pertaining to: industrial hygiene, asbestos, lead-based paint, PCBs, underground lines, radiological issues, and the IR site status, must be resolved before this parcel can be reclassified from BRAC Category 6, leased, or transferred.

Z 22

SECTION 6-143

PARCEL 143 EVALUATION PLAN

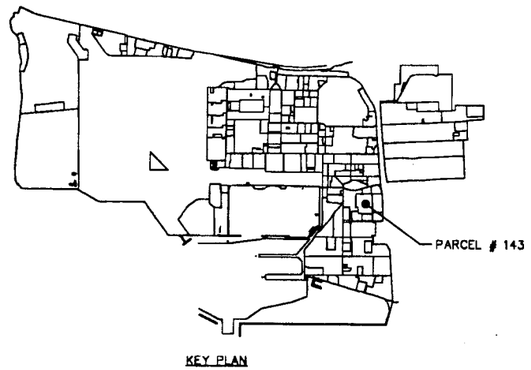
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 143 at NAS Alameda (Figures 6-143-1 and 6-143-2). The parcel, which is located in the southeastern portion of the base, is approximately 8 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains 12 RCRA sites. None of these RCRA sites have been identified in the Part B Permit as requiring an RFI. This parcel contains IR Site 4 (Building 360). One parcel-specific and one zone-wide target investigation area (target area) have been identified on this parcel. However, due to the ongoing IR investigation at this parcel, no sampling is specified in this PEP. This parcel evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for evaluating Parcel 143, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for the buildings, open spaces, and boundaries of Parcel 143, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration (IR) Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigative phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts due to compounds of concern.

This parcel has been grouped into a zone with Parcels 132, 133, 134, 141, 142, 144, 145, 146, 147, 148, 149, 152, 153, 164, 210, 211, and 214. This parcel zone has been designated the Southeastern Refinery and Heavy Industrial Zone (Zone 22). The Southeastern Refinery and Heavy Industrial Zone encompasses the parcels that have been used as refinery or refinery support facilities, or industrial or industrial support



KEY PLAN

GENERAL LEGEND

- PARCEL OUTLINE
- B360-5 — EXISTING BORING LOCATION (Canonie Environmental, Inc.)
- MW360-2 — EXISTING MONITORING WELL LOCATION (Canonie Environmental, Inc.)
- B04-23 — PROPOSED SOIL BORING LOCATION
- MO4-5 — PROPOSED MONITORING WELL LOCATION
- CPT-S4-02 — PROPOSED CPT\HYDROPUNCH LOCATION
- B04-35 — PROPOSED SHALLOW SOIL SAMPLE LOCATION
- NPS-S4-3 — PROPOSED UTILITY SAMPLE LOCATION

SANITARY SEWER LINE LEGEND

- 2-14 — SANITARY SEWER MANHOLE & No.
- —SW— SANITARY SEWER LINE

MATERIALS:

C.I. – CAST IRON
A.C. – ASBESTOS CONCRETE

NOTES:

1. ALL SANITARY SEWERS ARE VITRIFIED CLAY PIPE UNLESS NOTED OTHERWISE.

STEAM LINE LEGEND

- —ST— STEAM LINE

INDUSTRIAL WASTE LINE LEGEND

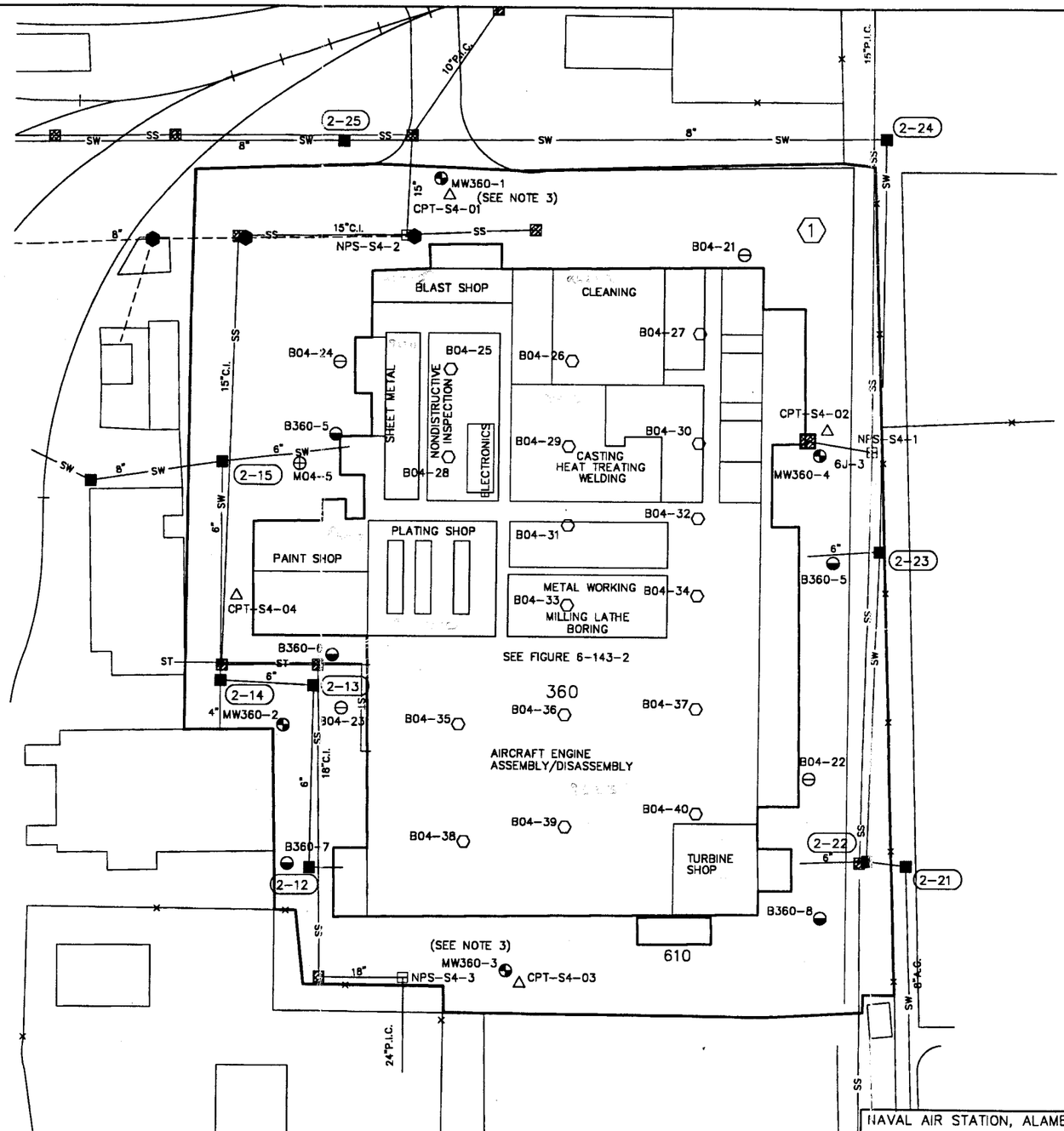
- INDUSTRIAL WASTE MANHOLE
- INDUSTRIAL WASTE LINE

STORM DRAIN LEGEND

- 6J-3 — MANHOLE
- CATCH BASIN
- —SS— STORM SEWER LINE

MATERIALS:

R.C. – REINFORCED CONCRETE
P.I.C. – PAVED INVERT CORREGATED METAL



SCALE IN FEET

100 0 100 200 300

1" = 100'

NOTES:

1) SAMPLING OF TARGET AREA 1 IS BEING ADDRESSED BY THE IR PROGRAM.

NAVAL AIR STATION, ALAMEDA

FIGURE 6-143-1
PARCEL 143
PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO.	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS:
19590143.DWG	PWC 17,629 (STORM DRAINS) PWC 108,728 (SANITARY SEWER) PWC 23,997 (INDUSTRIAL WASTES) HISTORIC DWGS IN EBS DATABASE (FUEL LINES)
SCALE AS NOTED	DATE: 3.07.95/2121.96.45 — SHEET 1 OF 1

facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 22.

This parcel is located on the area formerly known as Old Alameda Point, and was part of the original peninsula of Alameda. The ground level and grading have not changed significantly since the Navy acquired this area.

Currently, two buildings (Buildings 360 and 610) are present on the parcel. Building 360, a NADEP operated engine overhaul facility, and Building 610, a speed grinding facility, cover approximately 55 percent of the parcel area. The remaining 45 percent is open space. The open space has been used for material and drum storage, vehicle parking, and equipment parking. Prior to 1953, the entire parcel was used as an equipment storage area. Sewer lines are present at this parcel and are shown in Figure 6-143-1.

Building 360 on Parcel 143 is identified as Installation Restoration (IR) Program Site 4. This parcel is also within 500 feet of IR Sites 3 (Area 97 Aviation Gasoline Tanks), 7C (Service Station), 13 (Oil Refinery), and 19 (Yard D-13 Hazardous Waste Solvents). Previous investigations have been conducted at these IR sites. Specific data regarding chemical occurrence at Parcel 143 from investigations by Canonie Environmental, Inc., Environmental Research Group, Inc., and PRC are available, and are described in the previous and current investigations subsections of this PEP.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Three transformers are currently located at Parcel 143; two in the utility tunnel near column D-4, and one along the exterior west wall of Building 360. Seven PCB-containing transformers were removed from this parcel in 1988. Asbestos-containing insulation has been noted in this parcel on a steam line in the utility tunnel.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Previous Investigations

Canonie Environmental, Inc. drilled nine soil borings located within Parcel 143 in 1990. Four of the borings were later converted to monitoring wells. A total of 110 soil sample were collected from these borings and were analyzed for metals, VOCs, and SVOCs. One SVOC, benzo(a)pyrene, was detected in concentrations exceeding its residential USEPA PRG in Boring 360-4. No other VOC or SVOC was found in excess of residential or industrial PRGs. Nine metals (e.g. arsenic, barium, chromium, cobalt, copper, nickel, sodium, and thallium) were detected at concentrations above the 95th percent upper confidence limit, as described in the SWAT report. All metal sample results fell within the expected range for native soils at NAS Alameda except for lead, which was detected at 1,460 mg/kg. However, this value is below the extreme range maximum of 3,000 mg/kg (expected and extreme ranges were determined by PRC under CTO 121 Mod. 0001). These data were presented in *CLEAN, Data Summary Report RI/FS Phase 1 and 2A* prepared by PRC and JMM (1993). Figure 6-143-1 identifies the approximate locations of these borings.

Environmental Research Group, Inc. collected 19 surface soil samples from beneath the plating shop in Building 360. These samples were collected between August 1982 and July 1983. Samples were tested for pH, cyanide, and various metals. The pH value ranged from 6.3 to 9.8. Cyanide was detected in eight of the 19 samples (all below residen-tial USEPA PRGs) with a maximum concentration of 118 mg/kg, below residential PRG; lead, nickel, and chromium were detected in the samples analyzed for various metals (as reported in *CLEAN, Data Summary Report RI/FS Phase 1 and 2A* by PRC and JMM, 1993). The exact locations of these sample is unknown.

PRC conducted two investigations at the plating shop in Building 360. These investigations were completed by the end of July 1992. In the first investigations, samples from 20 soil borings were collected from beneath the plating shop floor and analyzed form SVOCs, metals, and total cyanide. The approximate location of these borings are shown on Figure 6-143-2. Groundwater samples were also collected and analyzed for VOCs, SVOCs, TPH, metals, and cyanide. In addition, two samples of surface dust and residue were collected from horizontal surfaces inside the plating shop and analyzed for metals content. As reported in *CLEAN, Data Summary Report RI/FS Phase 2B and 3* (PRC/JMM, 1993), four surface soil samples contained only one SVOC and one surface soil sample (boring B04-09) contained three SVOCs. The maximum SVOC concentration detected in the surface soil sample was 1,900 µg/kg of fluoranthene in boring B04-09.

Six metals were identified as compounds of concern in the plating shop investigation: beryllium, total chromium, copper, lead, mercury, and nickel. Total chromium, copper, lead, and nickel were detected in all 20 samples. Total chromium concentrations ranged from 24.0 mg/kg to 1,060 mg/kg; copper concentrations ranged from 9.38 mg/kg to 99.6 mg/kg; lead concentrations ranged from 2.15 mg/kg to 68.5 mg/kg; nickel concentrations ranged from 25.6 mg/kg to 692 mg/kg. Beryllium was detected in ten samples at concentrations ranging from 0.165 mg/kg to 0.424 mg/kg. Mercury was detected in only on sample at 0.111 mg/kg. Cyanide was detected in eight of the 20 samples at concentrations ranging between 1 mg/kg and 3 mg/kg in six of the eight samples, and 16 mg/kg and 19 mg/kg in borings B04-9 and B04-16 respectively. Only beryllium and total chromium were detected above residential USEPA PRGs.

Wipe sample W04-01 was scraped from a stain near boring B04-01. It contained total chromium at a concentration of 83,900 mg/kg. Wipe sample W04-02 was a composite of dust collected from along the walkway between borings B04-15 and B04-19. It contained 2,110 mg/kg of total chromium. In response to these concentrations of total chromium, the Navy closed the plating shop. PRC performed follow-up wipe sampling and confirmed the previous findings of elevated levels of metals on surfaces within the plating shop.

Current Investigations

Based upon the work recommended in the previous investigations, additional soil borings, CPT studies, groundwater samples, and non-point source samples have been proposed for IR Site 360. Previous and current sampling locations are shown in Figure 6-143-1 for the entire parcel and Figure 6-143-2 for the plating shop in Building 360.

Twenty-two additional soil borings have been proposed for IR Site 4. Two of these 22 soil borings will be drilled through the floor of the plating shop; one boring will be drilled outside Building 360 at each corner of the building; sixteen borings will be drilled in a grid pattern through the floor of Building 360. Three samples will be collected from each of the 22 soil borings, one at the surface, one at 2.5 feet bgs, and one at 5.0 feet bgs. All soil samples will be analyzed for VOCs (including BTEX), SVOCs, TPH, metals, and cyanide.

Four CPT sampling locations have been proposed for Parcel 143. The four CPT sampling points will be located on each side of the site in a roughly rectangular grid pattern. A HydroPunch groundwater sample will be collected from the second water bearing zone at each CPT sampling point. Groundwater samples will be analyzed for VOCs

(including BTEX), SVOCs, TPH, metals, and general chemical characteristics including total dissolved solids. Three additional shallow monitoring wells and up to four additional deep monitoring wells have been proposed at this IR site.

Three non-point source samples will be collected from storm drain catch basins at Parcel 143. Samples will be analyzed for VOCs (including BTEX), SVOCs, TPH, metals, and cyanide.

An industrial wastewater treatment plant (IWTP) was installed in Building 414 (located on Parcel 134) to treat effluent generated by the plating shop in Building 360. The wastewater was clarified and then pH-adjusted prior to discharge to the industrial sewer system. The IWTP is no longer in operation. Two 6-inch underground lines carried effluent from the plating shop across Parcel 143 open space to Building 414. These lines are currently abandoned. The IWTP had the following effluent permit exceedances between 1987 and 1990: cadmium six times in 1987, once in 1988, and once in 1989; chromium three times in 1989 and three more times in 1990; cyanide three times in 1987 and once in 1988; nickel twice in 1987; phosphorous once in 1989; silver twice in 1987; zinc once in 1990; and total organic compounds were exceeded once in 1990. Underground sewer lines are currently being addressed by IT Corporation.

Building 360

Building 360 was constructed in 1953 and serves as an aircraft engine and air frame overhaul facility. The condition of this building ranges from fair to poor. This building covers approximately 180,000 square feet. It is constructed of concrete floors, concrete and stucco walls, and a composition roof over an older tar and gravel roof.

Utilities located within and immediately surrounding this building include sanitary, industrial, and storm sewers; underground electrical distribution lines; water lines; and steam lines.

Information collected during the EBS indicates facilities within this building included a paint shop, a sheet metal/metal spray shop, a non-destructive testing investigation (NDI) shop, a blast shop, a welding, casting, and heat treating shop, a cleaning shop, a machine shop, and an engine assembly/disassembly shop. A former plating shop is also located in Building 360. The plating shop area has been closed off from all personnel since the detection of elevated metals concentrations in this area. These shops are discussed individually below.

Plating Shop. Information collected during the EBS indicates that activities conducted within the plating shop included chromium and cyanide bath plating. These types of industrial processes typically involve the use or generation of chemicals and wastes including chromium and cyanide bath wastewater, caustics, permanganate cleaning solvents, hydrochloric acid, nitric acid, paint remover, phosphoric acid, sodium hydroxide, and rust corrosion remover. Disposal of wastewater was accomplished by discharging to the Building 360 industrial wastewater treatment plant. These processes occurred within the plating shop from the 1950's to about 1992. The plating shop is currently inactive. A documented release of 180 gallons of cyanide solution occurred on October 7, 1987, due to a worker error. The solution drained into the sump.

Paint Shop. Information collected during the EBS indicates that paint spray booths and drying ovens have been used in the paint shop since the early 1960's. Currently there are four spray booths, one oven, and one solvent degreasing tank. Stains were noted in front of two spray booths. This shop has a concrete floor with small cracks. A GAP site and several chemical storage cabinets are located in this shop. Chemicals currently stored in this area include approximately 50 gallons of paint, 100 gallons of aluminum powder, 500 gallons of 1,1,1-TCA solvent, and 25 gallons of WD-40 oil. Hazardous wastes currently stored in this shop include five gallons of MEK and two drums storing empty paint cans. No floor drains were noted in this area.

Sheet Metal/Metal Spray Shop. Information collected during the EBS indicates that metal defect testing and repair work have been conducted on the ground floor of this shop. Metal spay operations have been conducted on the mezzanine level of this shop. Both these operations have been occurring in this area shop since the early 1970's. This shop has a concrete floor with small cracks. Four oxygen tanks used in the metal spray process are located on the mezzanine. Several small stains were noted in front of the metal spray booths on the mezzanine. Several chemical storage cabinets are located in this shop. Chemicals currently stored on the ground floor area include small quantities (less than three gallons) of acetylene, epoxy, zinc chloride, diethylenetriamine, and hysol aerospace coating and larger quantities of metal processing oil (100 gallons), lapidary compound (50 gallons), dry cleaning solvent (50 gallons), and release coating compound (20 gallons). Chemicals currently stored on the mezzanine area include small quantities (less than ten gallons) of acetylene, contact cement, layout dye, and spray paint. Three hundred and fifty pounds of metal coating spray are also located on the mezzanine. Hazardous wastes

stored in this shop included a 55-gallon drum of aluminum oxide blasting grit. No floor drains were noted in this area.

NDI Shop. This shop is used to investigate the integrity of various metal parts using non-destructive techniques. Investigative techniques include magnetic particle inspection, eddy current inspection, X-ray analysis, and the application of metal penetrant (ZL-37 Zyglow penetrant). The electronic investigation techniques are performed in a separate room. This shop has a concrete floor with small cracks. Large stains/spills were noted around each of the three penetrant applicators. Several chemical storage cabinets are located in this shop. Chemicals currently stored in this area include approximately 100 gallons of penetrant, 100 gallons of penetrant remover (2-methyl-2,4 pentanediol), five gallons of developer (1,1,1-trichloroethane), 12 gallons of layout dye, and 20 gallons of alcohol. Penetrant and penetrant remover are distributed from tanks (two tanks for each compound) and in spray cans (about 25 pounds of each compound). Hazardous wastes produced in this shop include wasted paper products, empty aerosol cans, and spent batteries (dry and alkaline). Two floor drains are located in this area.

Blast Shop. Information collected during the EBS indicates that aluminum oxide, glass bead, plastic bead, grain abrasive, and water blasting have been conducted in the blast shop. This shop contains seven aluminum oxide blasting booths, two plastic bead blasting booths, and one grain blasting and one glass bead blasting booth. The shop also contains a water blasting booth and two hot water dip tanks. This shop has a concrete floor with small cracks. Two sump pumps are located in this shop. These sumps drain to the industrial sewer system. No chemicals storage was observed in this area during site inspection. A GAP site for spent blasting grit is located in this shop. At the time of inspection, this GAP site contained two 55-gallon drums, one full and the other half full.

Welding, Casting, and Heat Treating Shop. Information collected during the EBS indicates that welding, casting, and metal treating processes have occurred in this shop since the early 1960's. Heat treating ovens, a quench tank, and a large Epsen vacuum furnace and sump are located in this shop. Small oil stains were located in front of most of the machinery in this area. Three larger stains were noted within this shop (the largest was a black stain approximately 100 square feet in size). This shop has a concrete floor with small cracks. Several chemical storage cabinets are located in this shop. A portion of this shop was formerly part of the cleaning shop. Fumes, steam, and chemicals would, on occasion, back up through the floor drains from the cleaning shop into the welding shop. In response to this problem,

these drains were plugged. Chemicals currently stored in this area include limited quantities of oxygen, acetylene, argon, brazing flux with fluorides, welding flux, brazing filler, and other welding compounds. One floor drain was noted in this area.

Cleaning Shop. Information collected during the EBS indicates that several large cleaning tanks and booths are located and have been in use in the cleaning shop since the early 1960's. This shop is used to clean and strip various types of metal parts. Currently there are approximately 35 tanks or booths located within this shop. These include acid and base dip tanks, descaling tanks, and paint and rust remover tanks. Heavy staining is present throughout this shop. This shop has a concrete floor with small cracks. Chemicals currently stored in this area include approximately 400 gallons of trichloroethane, 1,300 gallons of phosphoric acid, 2,600 gallons of sodium hydroxide, 2,600 gallons of nitric acid, 2,600 gallons of F0606 paint remover, 1,300 gallons of dry cleaning solvent, 1,300 gallons of Turco 4008 desealer, and 3,900 gallons of Turco 4181L. At least five floor drains collect wastewater generated within this shop from hot and cold water rinse tanks and steam cleaning tanks. These drains discharge to the industrial sewer system.

Machine Shop. Information collected during the EBS indicates that grinding, lathing, laser cutting, milling, boring, and other metal machining activities have occurred in the machine shop since the early 1960's. Several stains were noted around these machines. This shop has a concrete floor with small cracks. Several chemical storage cabinets are located in this shop. Chemicals currently stored in this area include approximately 100 gallons of coolant, 50 gallons of various oils and lubricants, three gallons of cutting oil, six gallons of rust preventative, and smaller quantities of adhesives, primers, tapping fluids, trichlorotrifluoroethane, penetrating oil, actithane activator, WD-40, layout oil, nitrogen, and helium.

Engine Assembly/Disassembly Shop. Information collected during the EBS indicates that engine assembly and disassembly have occurred in this shop since the early 1970's. Seventeen stains were noted within this area during site inspection. The average stain was approximately ten square feet in size. This shop has a concrete floor with small cracks. The southeast corner of this shop is used for turbine repair. The roof leaks over this part of the shop. A hot oil bath tank is located in the turbine repair area. Several chemical storage cabinets are located in this shop. Chemicals currently stored in this area include small quantities (less than 10 gallons) of solvents, hydraulic fluid, penetrating oils, molybdenum disulfide lubricant, magnesium oxide powder, layout dye, primer, assembly fluid, and other similar compounds.

Approximately 30 cubic feet of Mobil DTE oil are stored in this shop in two reservoirs.

The total permitted chemical inventory for Building 360 is approximately 600,000 gallons of halogenated and non-halogenated organic compounds, metals, paints, petroleum products, corrosives, and fuels. The IWTP within Building 360 has an approximate inventory of 1,170 gallons of corrosives (all stored in tanks).

The total permitted hazardous waste inventory within Building 360 is approximately 1,300 gallons of halogenated and non-halogenated organic compounds, metals, paints, petroleum products, corrosives, fuels, and cyanide. Building 360 has an approximate inventory of 900 gallons of waste sludge (stored in a dedicated sludge tank).

Air quality permits have been issued for spray booths, dryers, degreasers, abrasive blasting, finishing, solvent/chemical cleaning, dipping tanks, magnetic particle inspection, halon fire protection system, and electrophoretic coating operations.

Utilities located within and immediately surrounding this parcel include sanitary, industrial, and storm sewers; underground electrical distribution lines; potable and fire protection water lines; and steam and condensate lines. A utility tunnel is located beneath Building 360. This tunnel runs the length of Building 360 in a north to south direction. The tunnel is constructed of concrete and has six-foot high walls. The tunnel contains electrical, steam, and water lines. Three high voltage substations (with transformers) are located in this tunnel. Asbestos-containing materials used for pipe insulation are located in this tunnel. Light staining is present along the tunnel floor. A sump pump is located on the northern end of the tunnel.

Building 360 is equipped with several separate heating-ventilation-air conditioning (HVAC) systems. These systems may have been impacted by dust and residue from the industrial processes occurring within this building. The area occupied by Building 360 was formerly open space used for material storage. Prior to that, the Pacific Coast Borax Works were located in this area.

No other incidents such as fires or flooding, are documented to have occurred within Building 360.

Building 610

Building 610 (also known as the machine shop annex) was constructed in 1979 and houses a grinding facility. Building 610 is in generally good

condition. This building is constructed with a reinforced concrete foundation, concrete floors, metal walls, and a composition roof. It covers approximately 2,000 square feet. Industrial processes occurring within this building include various types of metal grinding and machining. Currently, two grinding machines are present. Stains are present on the building's floor.

Open Space

The open space covers approximately 45 percent of the parcel. The open space is completely paved. Approximately 90 percent of this area is paved with concrete and 10 percent is covered with asphalt. The pavement is in generally fair condition.

In 1902, the Pacific Coast Borax Works began operations in a four-story plant at the location where Building 360 now stands. No evidence of this facility remains on Parcel 143.

EBS information indicates that activities conducted within this open space include vehicle parking on the west side of the parcel, container storage along the south side of the parcel, loading areas on all four sides of Building 360, fork lift parking and recharging on the southwest side of Building 360, and operation of two hazardous waste accumulation areas (GAP Site 52, located on the west side of Building 360, and GAP Site 57A, located on the north side of Building 360). These GAP sites are discussed further in the RCRA Sites subsection below.

Five aboveground storage tanks are located in the open space. One tank, which is abandoned, is located along the western side of Building 360 and has an approximate capacity of 500 gallons. The other three tanks each have an approximate capacity of 2,000 gallons and are located north of Building 360. These three tanks are in good condition and are surrounded by a concrete berm. A chemical processing tank and sump, used for pH adjustments, are located north of Building 360. This tank and sump are probably associated with activities in the cleaning shop in Building 360.

Minor staining was noted on the concrete all around Building 360. Prior to the construction of Building 360 in 1953, the open space area was used for equipment storage. Potentially impacted sanitary, storm, and industrial sewers exist on Parcel 143. The storm sewers on Parcel 143 formerly discharged industrial sewage from Building 360 into the Seaplane Lagoon prior to the construction of an industrial sewer system at NAS Alameda.

Underground Storage Tank

One underground storage tank (UST) exists at Parcel 143 and is associated with Building 163. No other information is available regarding USTs at this parcel.

Parcel Boundary Conditions

Parcel 143 is bounded by Parcels 132 and 133 to the north, Parcels 144 and 145 to the east, Parcels 146 and 142 to the south, and by Parcel 134 to the west. Parcel 143 (which contains IR Site 4) is located within 500 feet of IR Sites 7C, 13, and 19. IR Site 13 is the former Pacific Coast Oil Company Refinery which operated from 1879 to 1903. If the continuing investigation at these IR sites reveal a cause for concern at Parcel 143, then additional sampling on this parcel may be appropriate.

Activities of concern on adjacent Parcel 142 include the present operation of a permitted hazardous waste storage yard (Yard D-13). Activities of concern on Parcel 134 include the operation of a engine test facility (Building 372) and hazardous waste storage at Buildings 163 and 414. Past activities of concern on Parcel 145 include the former operation of a gasoline service station and car wash.

RCRA Sites

This subsection identifies RCRA sites and requirements associated with these sites on the parcel, consistent with the objectives in Section 1 of the Shell Workplan. This parcel includes 12 RCRA sites (SWMU/GAPs 1, 49A, 50, 51, 52, 53, 55, 56, 57A, 58, 80, and one number unknown). Eight of these sites are active and four have been removed. Of the eight reported active sites, only four were identified during the site inspection. All of the RCRA sites are, or were, located in, or along the perimeter of, Building 360. These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, the 12 RCRA sites at this parcel do not require sampling because the sites are paved, and/or staining was not noted at any of the sites by site inspectors. A brief description of each of the RCRA sites is provided below.

Site SWMU/GAP 1 was located in shop 96234 and did not have any known releases. This site has been removed. The former storage capacity of this site is unknown. The chemicals of concern associated with this site included aluminum oxides.

Site SWMU/GAP 49A was located in shop 96212 and did not have any known releases. This site has been removed. The former storage capacity of this site is unknown. The chemicals of concern associated with this site included aluminum oxides and aluminum chloride.

Site SWMU/GAP 50 was located in shop 96223 and did not have any known releases. This site has been removed. The former storage capacity of this site is unknown. The chemicals of concern associated with this site included glass blasting grit and chromic acid.

Site SWMU/GAP 51 is located in shop 96225 and has not had any known releases. This site is currently active and was identified during the EBS site inspection. Storage at this site includes 5-gallon containers and aerosol cans. The chemicals of concern associated with this site include aerosol paint, epoxy paint, and paint thinner.

Site SWMU/GAP 52 is associated with shop 96231 but is located along the western exterior wall of Building 360. No known releases have occurred at this site. This site is currently active and was identified during the EBS site inspection. Storage at this site includes 55-gallon drums, 30-gallon drums, and aerosol cans. The chemicals of concern associated with this site include lubrication and engine oil, JP-5 fuel, PD-680 solvent, and aerosol paint.

Site SWMU/GAP 53 is located in shop 96225 and has not had any known releases. This site is documented as being currently active but was not identified during the EBS site inspection. Storage at this site includes 55-gallon drums and 30-gallon drums. The chemicals of concern associated with this site include Alseal 518, Sermetal J, and Sermetal 196.

Sites SWMU/GAP 55 and SWMU/GAP 56 are located in shop 96215 and both sites have not had any known releases. Both these sites are documented as being currently active but only site SWMU/GAP 55 was identified during the EBS site inspection. Storage at each site includes 55-gallon drums and large bags. The chemicals of concern associated with each site include glass and plastic blasting grit and aluminum oxides.

Site SWMU/GAP 57A is associated with shop 96215 but is located along the northern exterior wall of Building 360. No known releases have occurred at this site. This site is currently active and was identified during the EBS site inspection. Storage at this site includes various sized bins. The chemicals of concern associated with this site include those associated with various types of blasting grit.

Site SWMU/GAP 58 is located in shop 96211 and has not had any known releases. This site is documented as being currently active but was not identified during the EBS site inspection. Storage at this site includes 55-gallon drums and aerosol cans. The chemicals of concern associated with this site include aerosols (Turco Dy-check developer and remover).

Site SWMU/GAP 80 was located in shop 96223 and did have a known release. Approximately 180 gallons of cyanide were released into a sump in October 1987. This site has been removed. The former storage capacity of this site is unknown. The chemicals of concern associated with this site included cyanide.

An additional SWMU site with an unknown GAP number is located at the pH unit of Building 360. This site is documented as being currently active but was not identified during the EBS site inspection. The storage capacity of this site is unknown. The concerns associated with this site include pH adjusting chemicals.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 143, consistent with the objectives described in Section 1 of the Shell Workplan. The data collected for this parcel indicate that there are no remaining data gaps. The available information suggests that this parcel may be reclassified from BRAC Category 7 to BRAC Category 6. Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-143-1 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines are also addressed separately. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with USTs, and sewers is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other

TABLE 6-143-1

Summary of Data Gaps
NAS Alameda Parcel 143

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• Parcel 143 (which contains IR Site 4) is located within 500 feet of IR Sites 7C, 13, and 19. IR Site 13 is the former Pacific Coast Oil Company Refinery which operated from 1879 to 1903. Additional subsurface investigation relative to IR Sites 4 and 13 are proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• Former Incinerator.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-143-1

Summary of Data Gaps
NAS Alameda Parcel 143

Data Gap	Status/Description
Potential Parcel-Specific Release Areas	• (Whole Parcel): No sampling is called for in this target area; however, sampling investigations are currently underway in this parcel as called for by the IR program. The IR program calls for soil sampling in the open space area of this parcel and from underneath Building 360.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• One underground storage tank (UST) exists at Parcel 143 and is associated with Building 163. No other information is available regarding the UST at this parcel.
Underground Utilities	• Sanitary, industrial, and storm sewers; underground electrical distribution lines, and water lines identified. A utility tunnel also exists under Building 360.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 360. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-143-1 are addressed, Parcel 143 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target area and is also contained in a zone with a zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 22. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. No sampling will be conducted at this parcel for the parcel-specific target area, because additional sampling is proposed as part of the IR program. No sampling will be done on this parcel for the zone-wide target area, because the zone samples are located on adjacent parcels.

- Parcel 143 Target Area 1 (Whole Parcel): No sampling is called for in this target area; however, sampling investigations are currently underway in this parcel as part of the IR program. The IR program calls for soil sampling in the open space area of this parcel and from underneath Building 360. Currently, several shallow soil samples, soil borings, and CPT/HydroPunch sample locations are specified for this site. Additional sampling in this parcel may be necessary pending the results of other current IR investigations.

- Zone 22 Target Area 1 (Former Incinerator): This target area includes Parcels 134, 141, 142, 143, 146, 147, 152, 153, 164, 210, and 211 in Zone 22, and Parcels 139, 140, 150, 151, 154, and 201 in Zone 19, and encompasses the parcels located downwind of the former incinerator in former Building 68. Classes of compounds of concern possible within this target area include dioxins and furans. The likelihood of environmental impact within this target area is classified as potential. However, the samples proposed for the zone-wide target area are located on adjacent parcels; no sampling in this

target area is proposed for this parcel. The zone-wide target area is described in detail in the Zone Analysis Plan for Zone 22.

In addition, concerns pertaining to industrial hygiene, asbestos, lead-based paint, PCBs, underground lines, radiological issues, the IR site, and USTs must be resolved before this parcel can be reclassified from BRAC Category 6, leased, or transferred.

SECTION 6-144

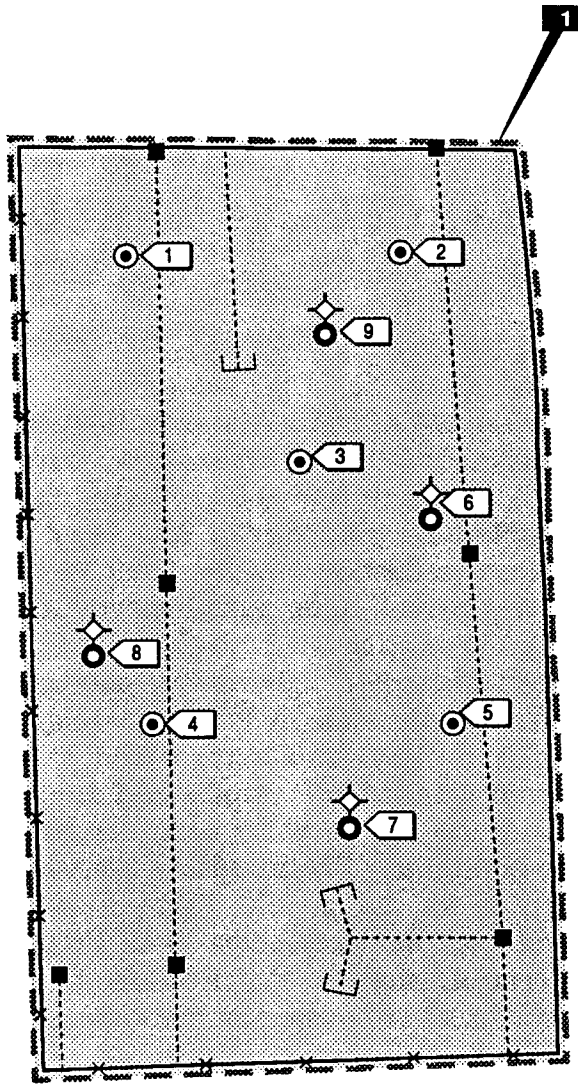
PARCEL 144 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 144 at NAS Alameda (Figure 6-144-1). The parcel, which is located in the southeastern portion of the base, is approximately 4.5 acres in size and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One parcel-specific target investigation area (target area) has been identified on this parcel. No zone-wide target areas have been identified. Sampling procedures called for in the screening-level investigation in this area include soil gas sampling, subsurface soil sampling, and surface soil sampling. Table 6-144-1 provides the complete list of samples and analyses prescribed by this plan. This sampling has recently been conducted and no significant concerns were identified. The sampling results are documented in the parcel-specific EBS for the parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 144, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for the buildings, open spaces, and boundaries of Parcel 144, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigative phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.



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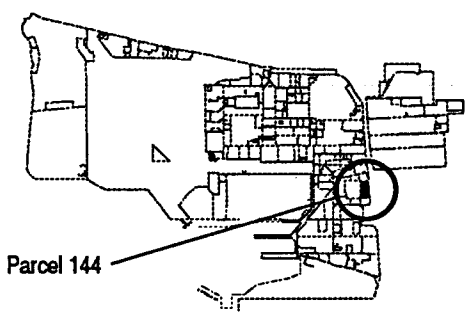


LEGEND

- Target Area 1
- Sewer Line
- Capped
- Soil Vapor Survey Location
- Surface Soil Sample Location
- Subsurface Soil Sample Location
- Catch Basin

1"= 125'

Figure 6-144-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/06.28.94

TABLE 6-144-1

Summary of Recommended Samples
NAS Alameda Parcel 144

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
144-1-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Solvents	VOCs	GC
144-2-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Solvents	VOCs	GC
144-3-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Solvents	VOCs	GC
144-4-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Solvents	VOCs	GC
144-5-3-V-S-DDMMYY	3.0'	SVS	Vapor	Target Area 1	Solvents	VOCs	GC
144-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH, Metals, PCBs	Test Kit, XRF
144-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Paints, pesticides	SVOCs, pesticides	CLP RAS
144-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Acids, Bases	Reactives	Chapter 7, SW 846
144-6-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Fuels, Oils	TPH, Metals, PCBs	Test Kit, XRF
144-6-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Paints, pesticides	SVOCs, pesticides	CLP RAS
144-6-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Acids, Bases	Reactives	Chapter 7, SW 846
144-7-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH, Metals, PCBs	Test Kit, XRF
144-7-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Paints, pesticides	SVOCs, pesticides	CLP RAS
144-7-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Acids, Bases	Reactives	Chapter 7, SW 846
144-7-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Fuels, Oils	TPH, Metals, PCBs	Test Kit, XRF
144-7-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Paints, pesticides	SVOCs, pesticides	CLP RAS
144-7-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Acids, Bases	Reactives	Chapter 7, SW 846
144-8-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH, Metals, PCBs	Test Kit, XRF
144-8-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Paints, pesticides	SVOCs, pesticides	CLP RAS

TABLE 6-144-1

Summary of Recommended Samples
NAS Alameda Parcel 144

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
144-8-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Acids, Bases	Reactives	Chapter 7, SW 846
144-8-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Fuels, Oils	TPH, Metals, PCBs	Test Kit, XRF
144-8-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Paints, pesticides	SVOCs, pesticides	CLP RAS
144-8-4-S-V-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Acids, Bases	Reactives	Chapter 7, SW 846
144-9-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH, Metals, PCBs	Test Kit, XRF
144-9-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Paints, pesticides	SVOCs, pesticides	CLP RAS
144-9-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Acids, Bases	Reactives	Chapter 7, SW 846
144-9-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH, Metals, PCBs	Modified EPA 8015, CLP RAS
144-9-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Fuels, Oils	TPH, Metals, PCBs	Test Kit, XRF
144-9-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Paints, pesticides	SVOCs, pesticides	CLP RAS
144-9-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Acids, Bases	Reactives	Chapter 7, SW 846
144-9-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 1	Fuels, Oils	TPH, Metals, PCBs	Modified EPA 8015, CLP RAS

*These are the suggested location for the confirmation samples. The actual locations will depend on field analytical results.

This parcel has been grouped into a zone with Parcels 132, 133, 134, 141, 142, 143, 145, 146, 147, 148, 149, 152, 153, 164, 210, 211, and 214. This parcel zone has been designated the Southeastern Refinery and Heavy Industrial Zone (Zone 22). The Southeastern Refinery and Heavy Industrial Zone encompasses the parcels that have been used as refinery or refinery support facilities, or industrial or industrial support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 22. This parcel is located on the area formerly known as Old Alameda Point, and was part of the original peninsula of Alameda.

Currently, no buildings or structures are located on the parcel, and the parcel consists entirely of open space. The open space is presently in use as recreational area. Approximately 50 Quonset huts apparently utilized for Marine Corps housing were formerly located on this parcel (Buildings 201 through 260). Because of the proximity of these former buildings to the surrounding industrial area, it is likely that chemicals may have been used or stored in some of these former buildings. Sewer lines are present at this parcel and are shown in Figure 6-144-1.

Parcel 144 is located within 500 feet of five Installation Restoration (IR) Program sites (IR Sites 3, 4, 7C, 13, and 19). Previous investigations have been conducted at each of these IR sites. Previous investigations at IR Site 7C have extended into Parcel 144. Specific data regarding chemical occurrence at this parcel are not available. Current investigations at IR Sites 4 and 19 both call for sampling in or very near to Parcel 144. The Pacific Coast Oil Company Refinery, which operated from 1879 to 1903 on NAS property (now identified as IR Site 13), is located less than 500 feet south of Parcel 144 and therefore may be of concern. This site is being investigated under the IR program.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP. Potential environmental concerns within parcel open space and buildings are described in detail below.

Buildings 201-223, 226-227, 230-232, 236-237, and 240-260 (Demolished)

These buildings were constructed in 1945 and were each 1,002 square feet in area and constructed of wood and metal. These buildings were demolished by 1953, with the following exceptions.

- Building 223: This building was used as a maintenance shop and was demolished by 1970.
- Buildings 252 and 257: These buildings were used as navy exchange guest houses and were demolished in 1976.
- Buildings 244-246: These buildings were Quonset huts demolished in 1977.

Open Space

The entire parcel area is currently open space used for recreational activities. The ground surface is almost completely covered with grass; the remaining fraction is paved with concrete. Based on aerial photo review this parcel has had unpaved areas since the 1940s. This open space area is shown on Figure 6-144-1. Three transformers of unknown type (e.g., wet or dry type) and PCB content are located on this parcel. Utilities located within and immediately surrounding this open space include underground sanitary sewer, storm sewer, and potable and fire protection water lines, and overhead electrical lines.

No documented staining or spills have occurred in the open space. No other incidents (e.g., fires, mishaps, flooding, or crashes) are documented to have occurred within the parcel.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground storage tanks are or may have been present at this parcel

Parcel Boundary Conditions

Parcel 144 is bounded by Parcels 132, 143, and 145. Main street borders Parcel 144 along the east. Concerns on adjacent parcels include several

fuel storage tanks and associated fuel lines (the lines are currently abandoned) just south of the parcel boundary in Parcel 145.

Parcel 143 contains IR Site 4 (Building 360). Limited sampling is called for in this PEP in response to this IR site. Parcel 145 contains IR Site 7C (a former service station) that has had documented releases of various petroleum products. Previous investigations (by Canonie) indicate that Parcel 144 has not been affected by IR Site 7C. If the continuing investigations at the IR sites reveal a cause for concern at Parcel 144, then additional sampling on Parcel 144 may be appropriate.

RCRA Sites

This parcel contains no RCRA sites.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 144, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-144-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently ongoing to address the following data gaps for this parcel: radiological concerns, transformers, and Installation Restoration Sites. Sampling and imaging associated with sewer lines is also addressed separately. Sampling associated with sewers is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6. No Industrial Hygiene (IH) sampling is required for Parcel 144 because no buildings are present.

As noted earlier, Parcel 144 has an open space area that is landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only intensive-use

TABLE 6-144-2

Summary of Data Gaps
NAS Alameda Parcel 144

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No buildings exist at this parcel
Installation Restoration (IR) Sites	• IR Sites 3, 4, 7C, 13, and 19 are located within 500 feet of Parcel 144. PEP sampling has been performed at Parcel 144. In addition, current investigations at IR Sites 4 and 19 have proposed sampling in or very near to Parcel 144.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Open Space used by industrial facilities.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-144-2

Summary of Data Gaps
NAS Alameda Parcel 144

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, water, and overhead electrical lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) or intermediate-use areas (e.g., existing unpaved parking lots or roadways where records indicate long-term pesticide use to control weeds) will be sampled for pesticides. Therefore, pesticide sampling has been proposed for Parcel 144.

Once the data gaps in Table 6-144-2 are addressed and screening-level sampling results from the target areas described below are compared to PRGs and background concentrations, Parcel 144 may be reclassified from BRAC category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target area. The nature and location of the parcel-specific target area was evaluated to determine field investigation and sampling strategies. Final sample locations were determined in the field based on visual observation and accessibility. The following parcel-specific target area was identified based on the potential release areas described above and listed in Table 6-144-2.

- Target Area 1 (Open Space): Target Area 1 extends over the entire parcel area. Compounds or classes of compounds of concern possible within this target area include solvents, SVOCs, PCBs, metals, pesticides, petroleum products, and cyanide. This target area has been identified based on its unknown former use, combined with its proximity to the surrounding industrial area, and the former presence of structures that are commonly used for storage. The likelihood of environmental impact having occurred within this target area is classified as potential. Samples to be collected in this Target Area are listed on Table 6-144-1.

Screening-Level Investigation

Several screening-level techniques were employed to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase. These techniques included soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), and surface soil sampling (SOP 3). As stated earlier the proposed sampling at this parcel has recently been completed, and no significant concerns were identified.

Table 6-144-1 summarizes screening-level sampling and analysis recommended for the target area on Parcel 144. Five soil vapor samples, four surface soil samples, and four subsurface soil samples were collected from the approximate locations shown on Figure 6-144-1. Results of sampling and analysis are provided in the parcel specific EBS for this parcel..

The surface soil samples were collected as close to the former soil horizon as possible. This horizon is expected to coincide with the bottom of any topsoil placed in this open field. Sampling was conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization will utilize some of the screening technologies discussed above at a higher density as well as the following technologies not previously discussed: HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-145

PARCEL 145 EVALUATION PLAN

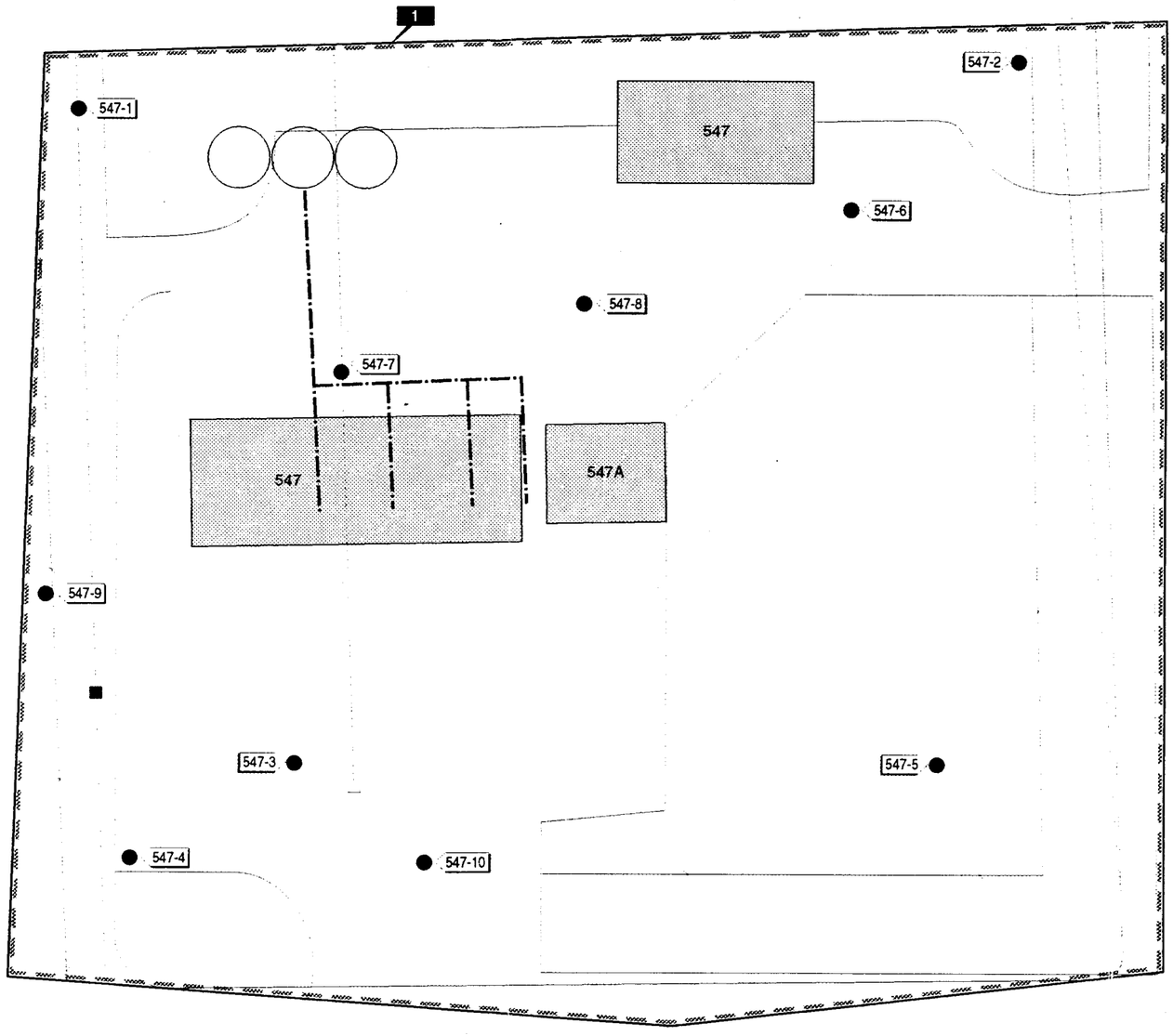
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 145 at NAS Alameda (Figure 6-145-1). The parcel, which is located in the southeastern portion of the base, is approximately two acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1. No RCRA sites are located on this parcel. A portion of this parcel is identified as IR Site 7C and another portion is identified as part of IR Site 13. One parcel-specific target investigation area (target area) has been identified on this parcel. However, due to the ongoing IR investigation at this parcel, no sampling is called for in this PEP. To provide a basis for evaluating Parcel 145, historical activities are discussed below.

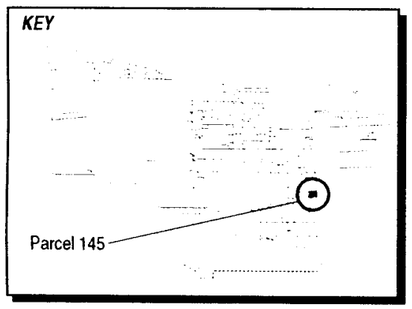
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 145, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 132, 133, 134, 141, 142, 143, 144, 146, 147, 148, 149, 152, 153, 164, 210, 211, and 214. This parcel zone has been designated the Southeastern Refinery and Heavy Industrial Zone (Zone 22). The Southeastern Refinery and Heavy Industrial Zone encompasses the parcels that have been used as refinery or refinery support facilities, or industrial or industrial support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the





LEGEND

- Target Area 1
- Fuel Lines Abandoned
- Sewer Line
- Capped
- Boring Location *(Canonie Environmental, Inc.)*
- Catch Basin

Note: *1.) Sampling of Target Area 1 is being addressed by the IR program. No sampling is called for in this PEP.*

1"= 45'

Magnetic
True North

Figure 6-145-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.10/DS/07.13.94

entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 22.

This parcel is located on the area formerly known as Old Alameda Point, and was part of the original peninsula of Alameda. The ground level and grading have not changed significantly since this parcel became part of NAS Alameda.

Currently, two buildings (Building 547 and Building 547A) and one structure (Structure 547) are present on the parcel. Buildings 547 and 547A combined cover approximately five percent of the parcel area. The remaining area is open space. The parcel area was used as a gasoline service station and car wash. These facilities were operated by the Navy Exchange. Several Quonset huts were formerly located on the parcel and have since been demolished.

Parcel 145 is identified as Installation Restoration (IR) Program Site 7C. This parcel is also part of IR Site 13, and it is adjacent to IR Site 4. Previous investigations have been conducted at these IR sites. Specific data from ten borings located within the parcel are available. Soil samples from these borings were analyzed for metals, pesticides, VOCs, and SVOCs. Several SVOCs and VOCs were detected in concentrations exceeding PRGs. Benzo(a)pyrene exceed the residential PRG in Boring 547-5; however, it did not exceed the industrial PRG. Methylene chloride exceeded the residential and industrial PRG in Boring 547-3. The detection limit for benzene exceeded the industrial PRG in two borings (Borings 547-3 and 547-8), and the detection limit for 1,2-dichloroethane also exceeded the industrial PRG in Boring 547-8. Metals concentrations were compared to typical concentration ranges for soil at NAS Alameda as determined by PRC under CTO 121 Mod. 0001. Zinc, lead, and magnesium exceeded the typical range, as indicated in *CLEAN Data Summary Report RI/FS Phase 1 and 2A* (PRC/JMM, 1993). These concentrations were found in boring 547-7 for zinc, 547-5 for lead, and 547-1 and 547-2 for magnesium. Refer to Figure 6-145-1 for approximate boring locations. These data, however, were collected during an investigation by Canonie and have yet to be independently verified.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 547

Building 547 is an abandoned car wash constructed of Plexiglas, with corrugated metal walls and roof. The floor is concrete. No other information is available regarding this building.

Building 547A

Building 547A is a former gasoline service station operated by the Navy Exchange. This building housed the service station bathrooms and the cashier. The station operated from 1971 through 1980. The building is constructed of concrete block, steel, and glass. The building is currently abandoned. No chemical storage, spillage or staining is documented in this building.

Structure 547

Structure 547 encompasses the service station pumping islands. The gasoline meters have been removed. The islands are abandoned. Four concrete islands remain and are covered by a metal roof supported by steel columns.

Open Space

The open space covers approximately 90 percent of the parcel. The open space is 70 percent paved, (mostly with asphalt and with some concrete) and 30 percent unpaved). The asphalt is in generally good condition. The remaining open space is grass-covered. EBS information indicates that activities conducted within this open space included materials storage, vehicle washdown, vehicle parking, and drum storage. Prior to 1970, there were several Quonset huts located on the parcel. The activities associated with these buildings are unknown. Services and utilities located within the open space include sanitary and storm sewers, underground electrical distribution lines, potable and fire protection water lines, and abandoned underground fuel lines. Various minor staining is documented in the open space around the fueling islands.

Underground Storage Tanks

Three inactive underground storage tanks are present at this parcel (Tanks 547-1, 547-2, and 547-3). The tanks were installed in 1971 and are located north of Building 547. The tanks were used to store leaded gasoline and have capacities of 12,000 gallons, each. These tanks are

scheduled to be removed. The available information did not identify why the tanks were abandoned. However, based on general comments made by NAS Alameda personnel, tanks were most commonly abandoned because they were leaking.

Parcel Boundary Conditions

Parcel 145 is bounded by Parcels 144, 147, 214, and 146. Main Street runs north to south along the parcel's eastern boundary. While Parcel 145 is itself IR Site 7C, it is also part of IR Site 13 and IR Site 4. IR Site 13 is the former Pacific Coast Oil Company Refinery which operated from 1879 to 1903, and IR Site 4 is Building 360, the engine overhaul facility. If the continuing investigations at either of these two IR sites reveal a cause for concern at Parcel 145, then additional sampling on this parcel may be appropriate.

RCRA Sites

This parcel contains no RCRA sites.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 141, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-145-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: radiological concerns, lead-based paint, Installation Restoration sites, transformers, and asbestos. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

TABLE 6-145-1

Summary of Data Gaps
NAS Alameda Parcel 145

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 145.
Installation Restoration (IR) Sites	• Parcel 145 is IR Site 7C, and is also part of IR Site 13 and near IR Site 4. IR Site 13 is the former Pacific Coast Oil Company Refinery which operated from 1879 to 1903, and IR Site 4 is Building 360, the engine overhaul facility. Additional subsurface investigation relative to IR Sites 4 and 13 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR site parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified that affect Parcel 145.
Potential Parcel-Specific Release Areas	• (Entire Parcel): Due to elevated concentrations of various compounds throughout this parcel, as identified in previous IR site investigations, the entire parcel is identified as Target Area 1.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-145-1

Summary of Data Gaps
NAS Alameda Parcel 145

Data Gap	Status/Description
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• Tanks 547-1, 547-2, and 547-3 are inactive and scheduled to be removed.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• Abandoned, underground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

No Industrial Hygiene (IH) sampling is required for Parcel 145 because no industrial buildings are present.

Once the data gaps in Table 6-145-1 are addressed, Parcel 145 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

One parcel-specific target area was identified for Parcel 145. No zone-wide target areas were identified for this parcel. The zone-wide target areas are described in detail in the Zone Analysis Plan for Zone 22. The nature and locations of these areas were evaluated to determine field investigation and sampling strategies. The following target areas were identified based on possible impacts from activities described above involving potentially hazardous substances. Samples to be collected in these target areas are listed on Table 6-145-1, and are shown on Figure 6-145-1.

In addition, concerns pertaining to asbestos, lead-based paint, underground lines, and radiological issues must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred. The zone-wide target areas include:

This subsection of the PEP discusses the specific parcel target area. The nature and location of this area was evaluated to determine field investigation and sampling strategies. The following target area was identified based on possible impacts from activities described above involving potentially hazardous substances.

- Target Area 1 (Entire Parcel): Due to the elevated concentrations of various compounds throughout this parcel, as identified in previous IR site investigations, the entire parcel is being identified as Target Area 1. Compounds or classes of compounds of concern possible within this target area include VOCs, SVOCs, and petroleum products. Environmental impacts have been confirmed within this target area. No sampling is called for in this target area by this PEP; sampling investigations are currently underway in this area as part of the IR program. Additional sampling in this parcel may be necessary pending the results of the current IR investigations.

SECTION 6-146

PARCEL 146 EVALUATION PLAN

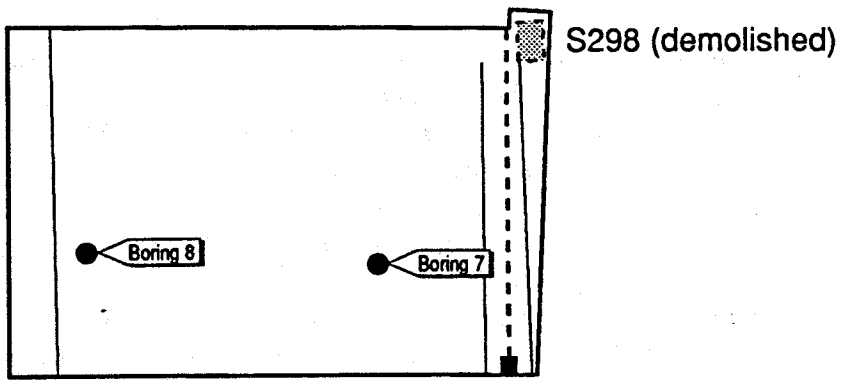
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 146 at NAS Alameda (Figure 6-146-1). The parcel, which is located in the southeastern portion of the base, is 1.8 acres in size and is roughly square in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel does not contain any RCRA sites. One zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. However, no zone-wide samples will be collected from this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 146, historical activities are discussed below.

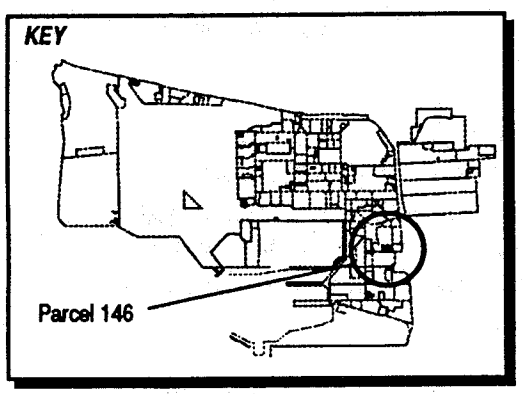
Background and Historical Activities

This subsection summarizes EBS information available for the buildings, open spaces, and boundaries of Parcel 146, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigative phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts due to compounds of concern.

This parcel has been grouped into a zone with Parcels 132, 133, 134, 141, 142, 143, 144, 145, 147, 148, 149, 152, 153, 164, 210, 211, and 214. This parcel zone has been designated the Southeastern Refinery and Heavy Industrial Zone (Zone 22). The Southeastern Refinery and Heavy Industrial Zone encompasses the parcels that have been used as refinery or refinery support facilities, or industrial or industrial support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data





LEGEND

- Storm Sewer Line
- Existing Soil Boring Location
- Catch Basin

Note: *Collect all Subsurface Soil Samples from just above the Water Table.*

1"= 125'

Figure 6-146-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/AMR/06.28.94

TABLE 6-146-1

Summary of Previous Investigations
NAS Alameda Parcel 146

Chemical Compound	Industrial PRG (ppb)	Residential PRG (ppb)	Concentration 0.5 to 1 feet (ppb)	Concentration 2.5 to 3 feet (ppb)	Concentration 4 to 4.5 feet (ppb)	Concentration 8.5 to 9 feet (ppb)	Concentration 13.5 to 14 feet (ppb)
Boring: BOR-7							
Methylene Chloride	22,000	39,000		31	12	14	14
Acetone	9,200,000	13,400,000		7	8	6	9
Toluene	280,000	280,000		260	9	14	36
Naphthalene	80,000	80,000	<340	49	59	<400	
Pentachlorophenol	7,100	24,000	640	270	1000	170	
Phenanthrene	–	–	<340	94	<380	<400	
Fluoranthene	1,600,000	41,000,000	<340	170	<380	<400	
Pyrene	1,200,000	31,000,000	<340	160	<380	<400	
Benzo(a)anthracene	1,200	3,900	<340	84	<380	<400	
Chrysene	120,000	390,000	<340	130	<380	<400	
Benzo(b)fluoranthene	1,200	3,900	<340	95	<380	<400	
Benzo(k)fluoranthene	1,200	3,900	<340	110	<380	<400	
Benzo(a)pyrene	120	390	<340	120	<380	<400	
Indeno(1,2,3-cd)pyrene	1,200	3,900	<340	90	<380	<400	
Benzo(g,h,i)perylene	–	–	<340	100	<380	<400	
Boring: BOR-8							
Methylene Chloride	22,000	39,000		21	19	22	11
Acetone	9,200,000	13,400,000		6	8	7	29
Toluene	280,000	280,000		8	18	54	13

evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 22.

This parcel is located on the area formerly known as Old Alameda Point, and was part of the original peninsula of Alameda.

Currently, no buildings or structures are located on the parcel; it consists entireley open space. Structure 298 was formerly located on this parcel. The parcel is presently used for vehicle parking. A review of aerial photographs revealed that the space has been used for vehicle parking since the 1947. There has been no documented storage or use of hazardous materials. Fuel and sewer lines are present at this parcel and are shown in Figure 6-146-1.

Parcel 146 is part of Installation Restoration (IR) Program Site 13. The parcel is also located within 500 feet of three other IR sites (Sites 4, 7C, and 19). Previous investigations have been conducted at and near this parcel as part of the IR site investigation program. Specific data regarding potential chemical occurrence in this area are available.

Results from two core boring retrieved as part of an earlier IR site investigation at Parcel 146 are available. Table 6-146-1 lists the industrial and residential PRGs for the analyzed compounds from the two known borings. Benzo(a)pyrene is the only compound to exceed its residential PRG, but below its industrial PRG. If the continuing investigations at IR Site 13 reveal an additional cause for concern at Parcel 146, then additional sampling on this parcel may be appropriate.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Structure 298 (Demolished)

Structure 298, a small weather station, was constructed in 1946 on a 300 square foot area in the northeast corner of the parcel. The structure was demolished in 1989. No incidents (e.g., fires, crashes, or spills) are documented to have occurred within or immediately surrounding this former building.

Open Space

The open space is currently used for vehicle parking. The ground surface is completely paved with asphalt. Services and utilities located within and immediately surrounding this open space include sanitary and storm sewers, and potable and fire protection water distribution lines. No chemical storage or use is documented to have occurred in this open space. No incidents (e.g., fires, crashes, or spills) are documented to have occurred within this open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 146 is bounded by Parcels 142, 143, 145, and 147. Concerns on adjacent parcels include a JP5 fuel release on the eastern side of Building 397 in Parcel 147. The release area is located within 50 feet of the boundary with Parcel 146. Cleanup has been performed in response to this spill. Three fuel storage tanks located near Building 547 just across the boundary between Parcels 146 and 145. If any of the continuing investigations at the nearby IR sites reveal a cause for concern at Parcel 146, then additional sampling on this parcel may be appropriate.

The Pacific Coast Oil Company Refinery operated from 1879 to 1903 on property now identified as IR Site 13. IR Site 13 encompasses Parcel 146. If the continuing investigation at this IR site reveals a cause for concern at Parcel 146, then additional sampling on this parcel may be appropriate. No IR site related sampling is currently proposed at Parcel 146.

RCRA Sites

This parcel contains no RCRA sites.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 146, consistent with the objectives described in Section 1 of the Shell Workplan. The available information suggests that this parcel may be reclassified from BRAC Category 7 to BRAC Category 6. Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-146-2 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewers is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 146 because no buildings are present.

Once the data gaps in Table 6-146-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 146 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

One zone-wide target area was identified for Parcel 146. No parcel-specific target areas were identified for this parcel. The zone-wide target area is described in detail in the Zone Analysis Plan for Zone 22.

- Zone 22 Target Area 1 (Former Incinerator): This target area includes Parcels 134, 141, 142, 143, 146, 147, 152, 153, 164, 210, and 211 in Zone 22, and Parcels 139, 140, 150, 151, 154, and 201 in Zone 19, and encompasses the parcels located downwind of the former incinerator in former Building 68. Compounds of concern possible within this target area include dioxins and furans. The likelihood of environmental impact within this target area is classified as

TABLE 6-146-2

Summary of Data Gaps
NAS Alameda Parcel 146

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 146.
Installation Restoration (IR) Sites	• Concerns on adjacent parcels include a JP5 fuel release on the eastern side of Building 397 in Parcel 147. The release area is located within 50 feet of the boundary with Parcel 146. Cleanup has been performed in response to this spill. Three fuel storage tanks located near Building 547 just across the boundary between Parcels 146 and 145. The Pacific Coast Oil Company Refinery operated from 1879 to 1903 on property now identified as IR Site 13. IR Site 13 encompasses Parcel 146. Additional subsurface investigation relative to IR Site 13 is proposed by the IR contractor, but not on this parcel.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR site parcels identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-146-2

Summary of Data Gaps
NAS Alameda Parcel 146

Data Gap	Status/Description
Potential Zone-Wide Release Areas	• Incinerator: Parcels 134, 141, 142, 143, 146, 147, 152, 153, 164, 210, and 211 may have been impacted by historical airborne releases of dioxins and furans from the incinerator fomerly housed in former Building 68. Building 68 is upwind of these parcels in prevailing wind conditions. No samples for this zone will collected in Parcel 146.
Potential Parcel-Specific Release Areas	• No potential release areas identified
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

potential. The samples proposed for the zone-wide target area are located on adjacent parcels.

In addition, concerns pertaining to underground lines, radiological issues, and the IR site status must be resolved before this parcel can be reclassified from BRAC Category 6, leased, or transferred.

Z22

SECTION 6-147

PARCEL 147 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 147 at NAS Alameda (Figures 6-147-1 and 6-147-2). The parcel, which is located in the southeast portion of the base, is 3.6 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains one active RCRA site and two RCRA closure sites. The active RCRA site on Parcel 147 has not been identified in the Part B Permit as requiring an RFI. One zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. Surface soil sampling will be used to accomplish the screening-level investigation. Table 6-147-1 provides the complete list of samples and analyses prescribed by this plan.

Releases associated with IR Site 13 (The Former Pacific Coast Oil Refinery), fuel storage, and aircraft engine testing have historically impacted the open space of this parcel. Soil and groundwater sampling results have been compiled in a 1993 report prepared by PRC Environmental Management, Inc., under contract N62474-88-D-5086, titled *Naval Air Station, Alameda: Data Summary Report RI/FS Phases 1 and 2A*. Ongoing (follow-up) sampling is being performed by the IR contractor.

Because of the ongoing IRP site investigation at this parcel, only zone-wide sampling will be conducted in the screening-level investigation at this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment requirements. To provide a basis for the proposed investigation of Parcel 147, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 147, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

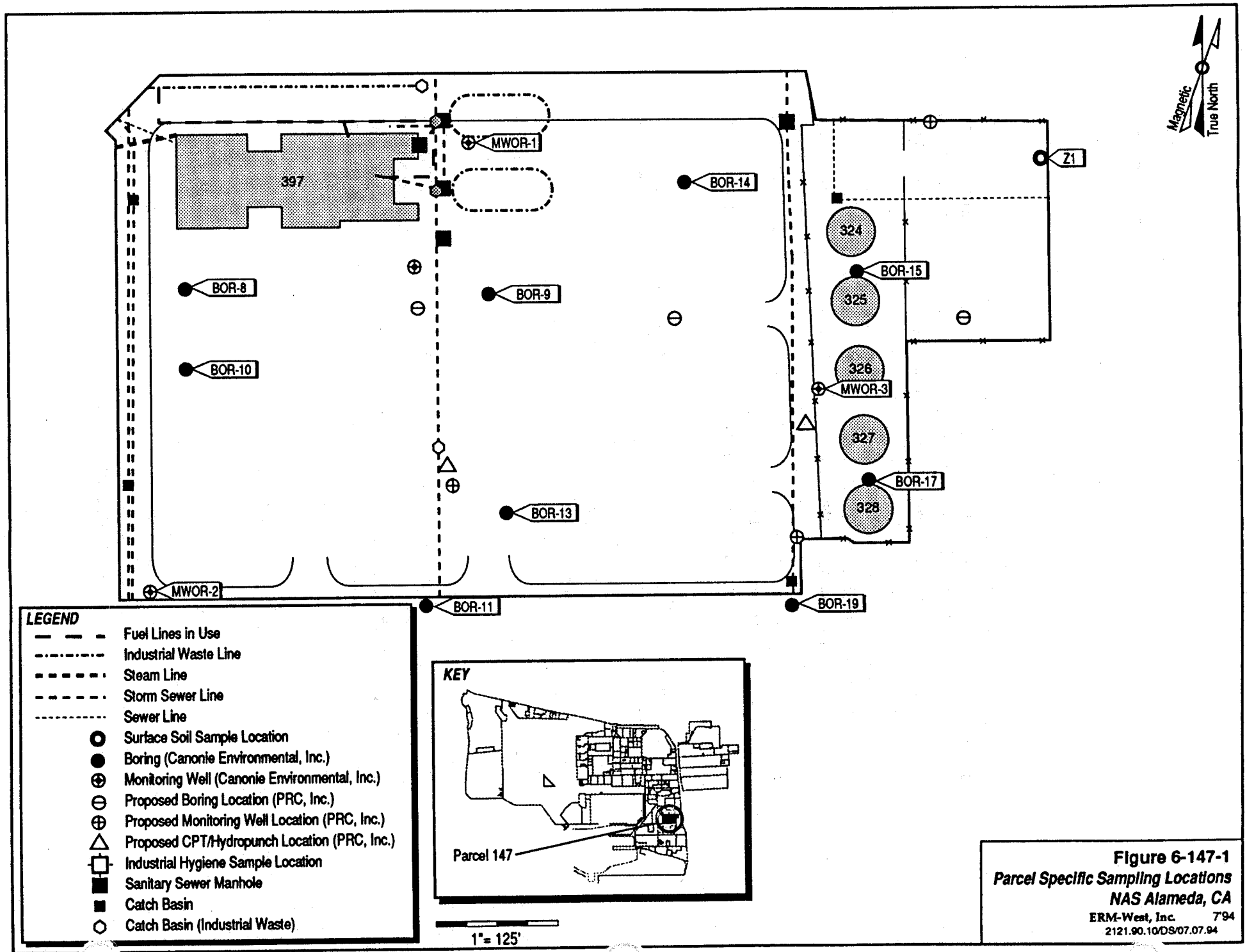


Figure 6-147-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.10/DS/07.07.94

TABLE 6-147-1

Summary of Recommended Samples
NAS Alameda Parcel 147

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z22-1-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 1	Incinerator Emissions	Dioxins/Furans	EPA 8280/SAS B

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 132, 133, 134, 141, 142, 143, 144, 145, 146, 148, 149, 152, 153, 164, 210, 211, and 214. This parcel zone has been designated the Southeastern Refinery and Heavy Industrial Zone (Zone 22). The Southeastern Refinery and Heavy Industrial Zone encompasses the parcels that have been used as refinery or refinery support facilities, or industrial or industrial support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 22.

Most of this parcel is located on the area formerly known as Old Alameda Point, and was part of the original peninsula of Alameda. The filling that occurred at the parcel was done on the western periphery of the parcel. Filling of this area began in approximately 1942 and was completed as of 1946; the ground level and grading have not changed significantly since that time.

Currently, one building covers approximately five percent of the parcel. The remaining 95 percent is open space. The eastern most part of the parcel is in use as a material storage area. The rest of the open space is undeveloped. This parcel encompasses part of the MWR (morale, welfare, and recreation) parking lot (which is currently in use for material storage), five concrete storage tank pads, an oil/water separator, and storage crates. Underground fuel and sewer lines are present on this parcel and are shown on Figure 6-147-1.

Parcel 147 is part of Installation Restoration (IR) Program Site 13. Previous investigations have been conducted at Parcel 147 and specific data regarding potential chemical occurrence are available. Parcel 147 is also located near IR Sites 4, 7C, 9, 10B, and 19.

Previous investigations have assessed conditions in the open space at Parcel 147. Follow-up detailed evaluations are being conducted by the IR contractor. As part of a former screening-level sampling effort summarized in the 1993 PRC report, a total of 281 soil samples have been collected different depths from 22 soil borings and 5 monitoring wells throughout IR Site 13. This investigation was conducted by Canonie Environmental, Inc. in 1990. Soil and groundwater samples

were analyzed for metals, PCBs, VOCs, SVOCs, PAHs, pesticides, and TPH. Nine of the soil borings (BOR-8, BOR-9, BOR-10, BOR-11, BOR-13, BOR-14, BOR-15, BOR-17, and BOR-19) and four of the monitoring wells (MW-1, MWOR-1, MWOR-2, and MWOR-3) are located on or adjacent to Parcel 147 (Figure 6-147-1).

The 1993 PRC report indicated that all metals and organic compounds were found at concentrations below USEPA's January 1994 industrial and residential PRGs. No residential or industrial PRGs were found for Beta-BHC, Di-n-butylphthalate, or 2-methylnapthalene. The pesticide Beta-BHC was detected only in BOR-18 at 3.5 µg/kg between 10.5 and 11 feet. The semivolatile compound Di-n-butylphthalate was detected in BOR-11, BOR-13, BOR-15, BOR-17, BOR-19, MWOR-2, and MWOR-3; the concentration detected was greatest in BOR-13 at 12,000 µg/kg between 0.5 and 1 feet. The PAH 2-methylnapthalene was detected in BOR-9, BOR-15, BOR-17, and BOR-19; the concentration detected was greatest in BOR-19 at 17,000 µg/kg between 11 and 11.5 feet.

Groundwater sampling results from the four monitoring wells on Parcel 147 indicate that most detected compounds in the groundwater were below USEPA's December 1993 MCLs, while most organic compounds were above USEPA's December 1993 MCLs.

The IR contractor has proposed follow-up sampling for the open space of Parcel 147 including three borings, two CPT/HydroPunch locations and three monitoring wells as shown in Figure 6-147-1.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials (ACM) on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 397

Building 397 was constructed in 1958 and continues to serve as engine testing cells and an aircraft overhaul plant services facility. This building was renovated between 1980 and 1981. This one-story building is constructed of concrete cinder blocks with a tar/gravel roof. The floor is paved with concrete. The building covers approximately 17,400 square feet.

Utilities located within and immediately surrounding Building 397 include sanitary sewer, storm sewer, electrical, steam, potable water, fuel and industrial sewer lines, and overhead electrical lines. The piping in Building 397 was formerly insulated with ACM; renovation or removal actions have been documented. Steam lines within the parcel are documented to be covered with ACM. An air quality permit was issued for turbine engine testing and solvent cleaning in Building 397.

Information collected during the EBS indicates that aircraft engine testing has occurred in this building for at least 16 years. Petroleum products, solvents, and up to 600 gallons of aircraft fuel are documented to have been stored in Building 397. During visual inspection, aviation oil and non-halogenated organic compounds were stored in the electrical room, which is located in the central area of the building along the east side. Chemicals are stored in storage cabinets throughout the building. JP-5 fuel was stored in the fuel room on the east side of the building. Empty oil containers and paper products contaminated with JP-5 fuel and lubricating oil are stored on wooden pallets on the south wall of Building 397, east of the garage area. Lubricating oil mixed with JP-5 fuel is stored on plastic catch basins in the same location. Small quantities of metals, halogenated and non-halogenated organic compounds are stored in a storage area west of the bathroom.

Two oil/water separators were observed during site inspection; one is located on the north side and one on the south side within Building 397. These two oil/water separators are currently active and are used to separate lubricating oils and jet fuel from water.

During site inspection, stains were noted in various locations throughout the building. In the fuel room, a five-foot by three-foot black stain was noticed on the concrete floor. On the south side of the engine preparation room, a 35 foot by 50 foot area is 25 percent covered with black stains. Black stains were noted in the southwest corner and in the center of Test Cell 16. A 30 foot by 20 foot area was moderately stained on the western side of Test Cell 15.

No incidents, such as fires, mishaps, flooding or crashes, are documented to have occurred within the current or former buildings.

Open Space

Open space covers 95 percent of Parcel 147. The open space around Building 397 is currently used for materials storage and vehicle parking. This area is paved. The remaining open space is bare soil.

The soil has been regraded recently to prevent run-off onto or from neighboring parcels. Railroad tracks formerly entered this parcel from the southwest, but have been completely removed. Items located on this parcel include part of the MWR parking lot (currently in use for materials storage), five former storage tank concrete pads, an oil/water separator, and storage crates.

Utilities located within and immediately surrounding the open space include sanitary sewer, storm sewer, electrical, steam, potable water, fuel and industrial sewer lines, and overhead electrical lines.

Based upon aerial photographs, eight small buildings were formerly located on the parcel in March 1947. The EBS did not indicate the activities conducted or the possible chemicals stored in these former buildings. These former buildings were small rectangular buildings, located on the far east side of Parcel 147, likely used for materials storage. These eight buildings were demolished prior to August 1953. The area occupied by these former buildings is currently open space used for part of the MWR parking lot. Storage crate are located south of this parking lot in Parcel 214 and along the eastern border of Parcel 147. A transportation trailer was located on Parcel 147 and has since been demolished.

The concrete foundations of five former fuel tanks are located in the eastern portion of the parcel. The steel fuel tanks were built in 1947 and were demolished prior to May 1990. The area around the former leaking fuel tanks is considered a RCRA closure site. During visual observation, the concrete pads were in fair condition and showed small scattered stains. The concrete was heavily etched. An unmarked 55-gallon drum was also observed in this area.

One oil/water separator were observed during visual inspection in the open space by the northeast corner of Building 397. The separator is currently not active.

EBS information indicates that activities conducted within this open space have included fuel storage, materials storage, and vehicle parking. A 4,000 to 17,000 gallon jet fuel/oil/water spill occurred along the eastern side of Building 397 due to a fuel leak and a plugged industrial sewer line. Immediate cleanup involved pumping floating free product from the groundwater. Further cleanup involved the skimming of the fuel/oil/water mixture from the sewer with recovery pumps and transferring the material to an oil/water separator. Soil removal was later performed. This spill area is considered a RCRA closure site.

No incidents, such as fires, mishaps, flooding or crashes, are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 147 is bounded by Parcels 142, 145, and 146 to the north, Parcels 147, 210, and 214 to the east, Parcel 211 to the south, and Parcels 134, 141, and 153 to the west. Activities of concern on these adjacent parcels include IR Site 19 on Parcel 142, IR Site 10B on Parcel 211, and IR Site 13 which encompasses all adjacent parcels. The former Seaplane Lagoon, IR Site 17, is located to the west of Parcel 147.

If the continuing investigations at the surrounding IR sites reveal a cause for concern at Parcel 147, then additional sampling on Parcel 147 may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with such sites on a parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes one active RCRA site (GAP Site 62) and two RCRA closure sites (the five former fuel storage tanks and the JP-5 fuel spill). GAP Site 62 was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, this site does not require sampling because the site is paved and no staining was noted. The RCRA closure sites have been previously discussed as part of the open space. A brief description of GAP Site 62 is provided below.

GAP Site 62 is defined as Shop 96231, Building 397. It is located within the covered area of Building 397 on the south side. There are no documented releases in this area. The chemicals of concern include Mil-L-23699 lubricating and engine oil. The dimensions of GAP Site 62 are approximately 10 feet by 10 feet and it contains both 55 and 30-gallon drums. This area is currently active.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 147, consistent with the objectives described in Section 1 of the Shell Workplan. The available information suggests that this parcel may be reclassified from BRAC Category 7 to BRAC Category 6. Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-147-2 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewers is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 397. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur. Evidence of possible releases of fuel and lubricating oil within the engine preparation room, Test Cell 15, Test Cell 16, and the fuel room in Building 397 was noted during the site inspections. The size of these areas within this building is approximately 10,000 square feet. Potential impacts to the environment stemming from spillage in these areas will be addressed as part of the IR investigations.

As noted earlier, Parcel 147 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 147.

TABLE 6-147-2

Summary of Data Gaps
NAS Alameda Parcel 147

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• IH issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• Activities of concern on adjacent parcels include IR Site 19 on Parcel 142, IR Site 10B on Parcel 211, and IR Site 13 which encompasses all adjacent parcels and Parcel 147. The former Seaplane Lagoon, IR Site 17, is located to the west of Parcel 147. Additional subsurface investigation relative to IR Site 13 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR site parcels identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-147-2

Summary of Data Gaps
NAS Alameda Parcel 147

Data Gap	Status/Description
Potential Zone-Wide Release Areas	• (Incinerator): This target area includes Parcels 134, 141, 142, 143, 146, 147, 152, 153, 164, 210, and 211 in Zone 22, and Parcels 139, 140, 150, 151, 154, and 201 in Zone 19, and encompasses the parcels located downwind of the former incinerator in former Building 68. One sample proposed for the zone-wide target area is located on Parcel 147.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• Active, underground fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Once the data gaps in Table 6-147-1 are addressed, Parcel 147 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

One zone-wide target area was identified for Parcel 147. No parcel-specific target areas were identified for this parcel. The zone-wide target area is described in detail in the Zone Analysis Plan for Zone 22. This zone-wide target area includes:

- Zone 22 Target Area 1 (Former Incinerator): This target area includes Parcels 134, 141, 142, 143, 146, 147, 152, 153, 164, 210, and 211 in Zone 22, and Parcels 139, 140, 150, 151, 154, and 201 in Zone 19, and encompasses the parcels located downwind of the former incinerator in former Building 68. Compounds of concern possible within this target area include dioxins and furans. The likelihood of environmental impact within this target area is classified as potential. One sample proposed for the zone-wide target area is located on Parcel 147. The sample to be collected in this target area is listed on Table 6-147-1. The zone-wide target area is described in detail in the Zone Analysis Plan for Zone 22.

In addition, concerns pertaining to industrial hygiene, asbestos, lead-based paint, PCBs, underground lines, radiological issues, and the IR site status must be resolved before this parcel can be reclassified from BRAC Category 6, leased, or transferred.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level technique that will be used to assess conditions in the zone target area and to identify areas that may require further parcel-specific sampling in the follow-up detailed evaluation phase. Table 6-147-1 summarizes screening-level sampling and analysis for the parcel. One surface soil sample will be collected from the zone-wide target area. The location of this sample is shown on Figure 6-147-1. Adjustments to the proposed location can be made if warranted by field conditions. The sample location as shown in Figure 6-147-1 is located in an area that was unpaved from 1942 to 1961. Sampling will be conducted in accordance with the referenced SOP in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during previous investigations. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

The IR contractor has proposed follow-up sampling for the open space of Parcel 147 including three borings, two CPT/HydroPunch, and three monitoring wells as shown in Figure 6-147-1.

SECTION 6-148

PARCEL 148 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the evaluation strategy for Parcel 148 at NAS Alameda (Figure 6-148-1). The parcel, which is located in the southeastern portion of the base, is approximately two acres in size and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains three RCRA sites; however, none are listed in the Part B Permit as requiring an RFI. One parcel-specific and no zone-wide target investigation areas (target area) have been identified on this parcel. Subsurface GeoProbe soil sampling will be used to implement the screening-level investigation at this parcel. Table 6-148-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 148, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 148, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with several other parcels (Parcels 132, 133, 134, 141, 142, 143, 145, 146, 147, 149, 152, 153, 164, 210, 211, and 214). This parcel zone has been designated the Southeastern Refinery and Heavy Industrial Zone. The Southeastern Refinery and Heavy Industrial Zone encompasses the parcels that have been used as refinery or refinery support facilities, or have been used or are

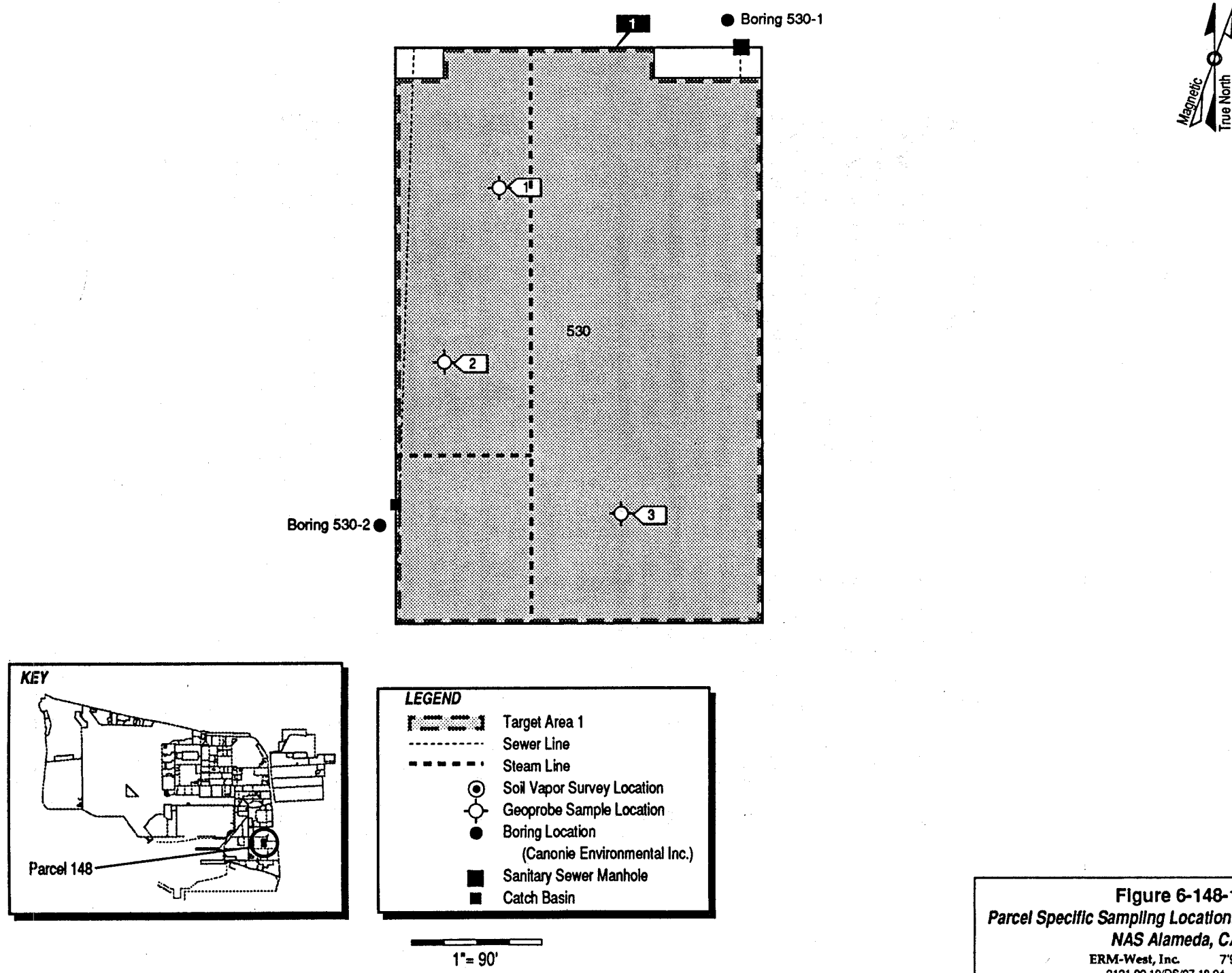


Figure 6-148-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.10/DS/07.18.94

TABLE 6-148-1

Summary of Recommended Samples
NAS Alameda Parcel 148

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
148-1-3-S-S-DDMMYY	3.0'	Subsurface	Soil	Target Area 1	Metals	metals	XRF
148-1-3-S-V-DDMMYY*	3.0'	Subsurface	Soil	Target Area 1	Paints, solvents, metals	VOCs, SVOCs, metals	CLP RAS
148-2-3-S-S-DDMMYY	3.0'	Subsurface	Soil	Target Area 1	Metals	metals	XRF
148-2-3-S-V-DDMMYY	3.0'	Subsurface	Soil	Target Area 1	Paints, solvents, metals	SVOCs, VOCs	CLP RAS
148-3-3-S-S-DDMMYY	3.0'	Subsurface	Soil	Target Area 1	Metals	metals	XRF
148-3-3-S-V-DDMMYY	3.0'	Subsurface	Soil	Target Area 1	Paints, solvents, metals	SVOCs, VOCs	CLP RAS

*These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results

currently being used as industrial or industrial support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for each of these parcels should consider the data collected for the entire zone.

The northeastern area of this parcel was part of the original peninsula of Alameda. No filling activities have occurred in this area. Filling began in the southwestern part of this parcel area in approximately 1942. Prior to this time, this area of the parcel was inundated by San Francisco Bay. The area within the parcel boundary was completely filled as of 1946; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 530) is located within this parcel. This building covers approximately 95 percent of the parcel. The remaining area is open space. The parcel open space is presently covered with grass and concrete. Currently, there is no equipment or material storage in this open space. A review of aerial photographs reveal that prior to construction of Building 530 in 1973 the entire parcel area was used for aircraft parking and materials storage. Sewer lines are present at this parcel and are shown in Figure 6-148-1.

Parcel 148 is identified as Installation Restoration (IR) Program Site 10B. Part of IR Site 13 is also located within the boundaries of Parcel 148. IR Site 9 is located within 500 feet of this parcel. No previous investigations have been conducted at Parcel 148. However, IR site investigations have occurred immediately next to this parcel. Specific data regarding potential chemical occurrence in this area are available.

Soil samples collected near this parcel suggest that slightly elevated concentrations of VOCs, SVOCs, and metals may exist on Parcel 148. However, all the soil sample detections were below unrestricted use PRGs. The data, which were collected during a previous investigation by Canonie Environmental and has not been independently verified, is presented in Table 6-148-2. This table lists the PRGs and the reported concentrations for all VOCs and SVOCs detected.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 530

Building 530 was constructed in 1972 and housed missile rework operations which included electrical maintenance, cleaning, grinding, welding, painting, paint stripping, and parts fabrication. This large building is in good condition and is approximately 80,000 square feet in area. The building is constructed with concrete floors and walls and features a steel frame roof with corrugated metal roofing. Services and utilities located within and immediately surrounding this building include sanitary and storm sewers, underground electrical distribution lines, and steam and condensate lines.

Halogenated and non-halogenated hydrocarbons, metals, acids, and bases are documented to have been used in this building. Many small stains of unknown chemicals are present throughout the building and particularly in the paint shop area. This staining is addressed by Target Area 1. This building has been recently vacated. No other incidents (e.g., fires, floods or crashes) are documented to have occurred within this building.

Building 352 (Demolished)

Building 352 was constructed in 1945 and was 1,002 square feet in area. It was a Quonset hut and was constructed of wood and metal. This building was demolished by 1977. EBS documents indicate that explosives were stored in this structure.

Open Space

Approximately five percent of Parcel 148 is open space. EBS information indicates that activities conducted within this open space have included materials equipment storage and aircraft parking. Currently, there is no storage or use of compounds of concern in this open space. Approximately one half of the open space area is grass covered, the remaining half is paved with concrete which is in good condition.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

TABLE 6-148-2

Summary of Previous Investigations
NAS Alameda Parcel 148

Chemical Compound	Industrial PRG (ppb)	Residential PRG (ppb)	Concentration 2.5 to 3 feet (ppb)	Concentration 6 to 6.5 feet (ppb)	Concentration 8.5 to 9 feet (ppb)	Concentration 11.5 to 12 feet (ppb)	Concentration 13.5 to 14 feet (ppb)
Boring: MW530-1							
VOCs							
Methylene Chloride	22,000	39,000	<6.00	<6.00	53	1,800	11
Acetone	9,200,000	13,400,000	<12.0	30	91	<1,500	<14.0
Toluene	280,000	280,000	77	8	38	<750	140
Ethylbenzene	310,000	310,000	<6.00	<6.00	36	6,200	<7.00
Xylene (total)	99,000	99,000	<6.00	<6.00	170	12,000	11
SVOCs							
2-Methylnaphthalene	–	–	<690	<700	<1,800	41,000	<820
Di-n-butylphthalate	–	–	1,600	3,800	4,500	<16,000	12,000
Boring: MW530-2							
VOCs							
Methylene Chloride	22,000	39,000	6	5	11	7	6
Acetone	9,200,000	13,400,000	<12.0	<11.0	<12.0	18	<10.0
Toluene	280,000	280,000	72	<5.00	8	10	31
SVOCs							
Di-n-butylphthalate	–	–	1000	610	600	4,300	
Pyrene	1,200,000	31,000,000	<340	<350	<420	970	

Parcel Boundary Conditions

Parcel 148 is completely surrounded by Parcel 211. Activities of concern on Parcel 211 include a defueling station located immediately to the west of Building 530. The ground surface in the defueling area is covered with large stains. There are several large fuel and oil storage tanks associated with the defueling process.

The Pacific Coast Oil Company Refinery operated from 1879 to 1903 on property now identified as IR Site 13. Parcel 148 is fully contained within IR Site 13 (therefore, this parcel, which typically is identified as IR Site 10B, is also part of IR Site 13). The past disposal activities associated with the refining area may be of concern at Parcel 148.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with these sites on the parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes three RCRA sites (sites SWMU/GAP 63, SWMU/GAP 63A, and SWMU/GAP 64). These sites were evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, none of the three RCRA sites at this parcel require sampling because all the sites are paved, and no staining was noted by site inspectors. A brief description of each of the RCRA sites is provided below.

SWMU/GAP 63 is in Shop 94224 in Building 530 and has not had any known releases. The storage containers at this site include 5-gallon containers, 30-gallon drums, and 55-gallon drums. The chemicals of concern associated with this site include acetone, MEK, paints and thinners, 1,1,1,-TCA, and solvent MX-4M. This site is no longer active.

SWMU/GAP 63A is in Shop 94223 in Building 530 and has not had any known releases. The storage containers at this site include 55-gallon drums. Hydraulic oil was stored at this site. This site is no longer active.

SWMU/GAP 64 is in Shop 94224 in Building 530 and has not had any known releases. The storage containers at this site include 30-gallon drums, 55-gallon drums, and aerosol cans. The chemicals of concern associated with this site include aerosol paints, lubricating oil, solvents (including 1,1,1-TCA and MX-4M), rust remover, WD-40, and silicate ester. This site is no longer active.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 148, consistent with the objectives described in Section 1 of the Shell Workplan. The available information suggests that this parcel may be reclassified from BRAC Category 7 to BRAC Category 6. Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-148-3 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewers is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 530. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

As noted earlier, Parcel 148 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 148.

Once the data gaps in Table 6-148-3 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 148 may be leased or transferred, as appropriate.

TABLE 6-148-3

Summary of Data Gaps
NAS Alameda Parcel 148

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• IH issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• The Pacific Coast Oil Company Refinery operated from 1879 to 1903 on property now identified as IR Site 13. Parcel 148 is fully contained within IR Site 13 (therefore, this parcel, which typically is identified as IR Site 10B, is also part of IR Site 13). Additional subsurface investigation relative to IR Site 13 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR site parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-148-3

Summary of Data Gaps
NAS Alameda Parcel 148

Data Gap	Status/Description
Potential Parcel-Specific Release Areas	• (Building 530): This target area is centered over Building 530. VOCs, SVOCs, and metals are the possible compounds of concern This parcel has been identified as a target area because soil samples collected near this parcel suggest that elevated concentrations of VOCs, SVOCs, and metals may exist on Parcel 148. All the soil sample detections were below unrestricted use PRGs. Building 530 has been identified as a target area because no sampling within the boundaries of this parcel has been conducted or is proposed at this time.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

This subsection of the PEP discusses the specific parcel target area. The nature and location of this area were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Target Area 1 (Building 530): This target area is centered over Building 530 as shown in Figure 6-148-1. VOCs, SVOCs, and metals are the possible compounds of concern within this target area. The likelihood of environmental impacts having occurred within this target area is classified as potential. This parcel has been identified as a target area because soil samples collected near this parcel suggest that slightly elevated concentrations of VOCs, SVOCs, and metals may exist on Parcel 148. All soil sample detections were below unrestricted use PRGs. Building 530 has been identified as a target area because no sampling within the boundaries of this parcel has been conducted or is proposed at this time. Samples to be collected in this target area are listed on Table 6-148-1.

Screening-Level Investigation

Subsurface GeoProbe soil sampling (SOP 14) is the screening-level technique that will be used to assess conditions in the target area and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-148-1 summarizes the screening-level sampling and analysis for the target area. Sampling will be conducted in accordance with the referenced SOP in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

GeoProbe samples will be collected from three sampling locations as shown on Figure 6-148-1. The GeoProbe samples will be tested for VOCs, SVOCs, and metals. The samples should be located over areas with the most significant staining. If no staining is evident, then the samples should be evenly spaced throughout the target area.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level

investigation. This characterization may utilize the same screening technology discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), surface soil sampling (SOP 3), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-149

PARCEL 149 EVALUATION PLAN

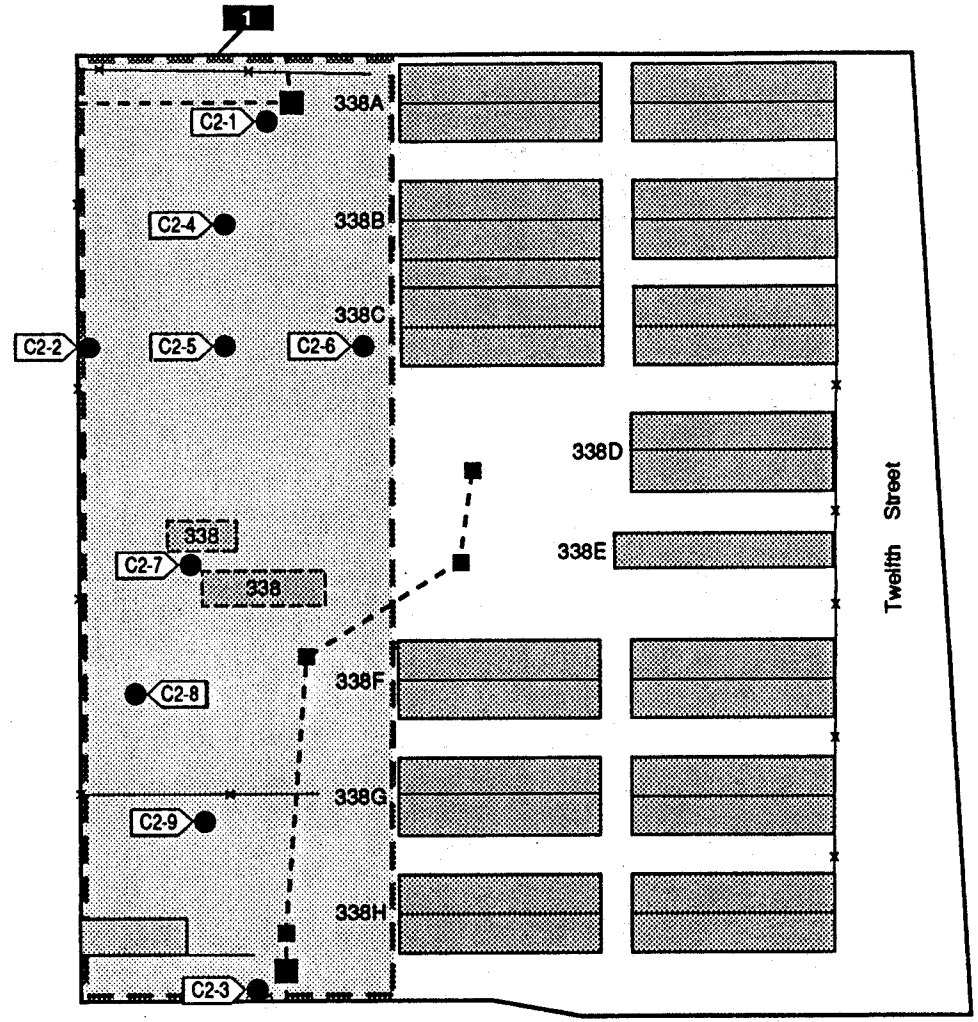
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 149 at NAS Alameda (Figure 6-149-1). The parcel, which is located in the southeastern portion of the base, is 7.7 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located on this parcel. The entire parcel is identified as IR Site 16. One parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. However, because of the ongoing IR investigation at this parcel, no sampling is proposed in this PEP. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for evaluating Parcel 149, historical activities are discussed below.

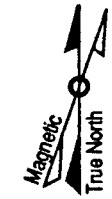
Background and Historical Activities

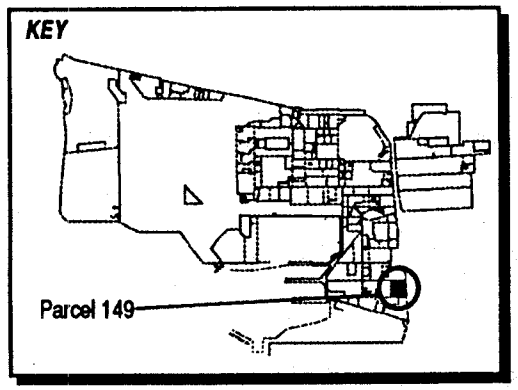
This subsection summarizes EBS information available for the buildings, open spaces, and boundaries of Parcel 149, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts due to compounds of concern.

This parcel has been grouped into a zone with Parcels 132, 133, 134, 141, 142, 143, 144, 145, 146, 147, 148, 152, 153, 164, 210, 211, and 214. This parcel zone has been designated the Southeastern Refinery and Heavy Industrial Zone (Zone 22). The Southeastern Refinery and Heavy Industrial Zone encompasses the parcels that have been used as refinery or refinery support facilities, or industrial or industrial support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data







LEGEND

- Target Area 1
- Storm Sewer Line
- Boring Location *(Canonie Environmental, Inc.)*
- Sanitary Sewer Manhole
- Catch Basin

Note: *1.) Sampling of Target Area 1 is being addressed by the IR program. No sampling is called for in this PEP.*

1"= 125'

Figure 6-149-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 794
2121.90.10/DS/07.07.94

evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 22.

Filling began in the area covered by this parcel in 1942. This parcel is located on the area formerly known as Old Alameda Point, and was part of the original peninsula of Alameda. The ground area was filled as of 1946 to make the land level; the ground level and grading have not changed significantly since that time.

Currently, eight buildings (Buildings 338A-338H, also known as the "cans") are present on the parcel. These buildings consist of between one and four "cans" attached together; each "can" is a former metal shipping container approximately 2,800 square feet in size. Buildings 338A-338H cover approximately 20 percent of the parcel area. The remaining area is open space. About half the open space is currently not in use; the remaining area is being used for materials storage. Building 338 was formerly located on the parcel and has since been demolished. Previously, the entire parcel area was used for materials storage and aircraft parking. Underground storm sewer lines are present at this parcel and are shown in Figure 6-149-1.

Parcel 149 is identified as Installation Restoration (IR) Program Site 16. This parcel is also contiguous with IR Site 13. Previous investigations have been conducted at Parcel 149. Specific data from nine borings and 55 surface soil samples are available for this parcel. Samples were analyzed for pesticides, metals, PCBs, VOCs, and SVOCs. Two SVOCs exceeded their PRGs. Benzo(a)pyrene was found in boring C2-4 in concentrations exceeding both its residential and industrial PRG. The common laboratory contaminant bis(2-ethylhexyl)phthalate was found in surface sample SSC2-28 in concentrations exceeding its residential PRG; however, the concentration does not exceed its industrial PRG. Three PCBs (Aroclor-1248, Aroclor-1254, and Aroclor-1260) were found in concentrations above 1 mg/kg in nine surface samples (SSC2-12, 13, 21, 22, 23, 24, 28, 31, and 32). Three of these samples (SSC2-23, 28, 31) had concentrations above 5 mg/kg. Based on ERM's experience, the guidance levels currently in use by DTSC Region 2 for PCBs are between 1 and 5 mg/kg. Metals concentrations were compared to typical concentration ranges for soil at NAS Alameda as determined by PRC under CTO 121 Mod. 0001. Ten metals were detected in concentrations above the expected range (antimony, arsenic, cadmium, copper, lead, magnesium, molybdenum, silver, thallium, and zinc). These results are reported in *CLEAN Data Summary Report RI/FS Phase 1 and 2A* (PRC/JMM, 1993). Refer to Figure 6-149-1 for approximate boring locations. These data were collected during an investigation by Canonie and have not been independently verified.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Buildings 338A-338H

Buildings 338A-338H were put in place in 1948. These buildings, commonly referred to as the "cans," are shipping containers that were converted to storage facilities and office space. Each "can" covers approximately 2,800 square feet. Four "cans" are attached together to form Buildings 338A, 338B, 338C, 338F, 338G, and 338H. Two "cans" are attached together to form Building 338D, and Building 338E consists of one "can". Each "can" is constructed completely of metal. These buildings are in good condition. Buildings 338A and 338C are currently in use as office space and for material and equipment storage (mostly avionics equipment). The remaining buildings currently store material and equipment only.

Prior to the construction of these buildings, this area was used for aircraft parking. Utilities and services located within or immediately surrounding this parcel include storm sewers and underground electrical distribution lines.

No spills or staining is documented to have occurred within the buildings. No other incidents (e.g., fires, flooding or crashes) are documented to have occurred within or immediately surrounding the buildings on the parcel.

Open Space

Open space covers approximately 80 percent of the parcel. Approximately 20 percent of the open space is paved with asphalt. The remaining area is bare soil. A large portion of the unpaved area is covered with temporary runway plates made of perforated steel.

Utilities and services located within or immediately surrounding the open space include storm drains and underground electrical distribution lines.

EBS information indicates that activities conducted within this open space include storage of paints, solvents, acids, bases, and PCB-

containing transformers. The EBS included reports that PCBs were applied in this open space for weed control. Prior to 1948, this area was used for aircraft parking. Previous remediation activities at this parcel include the removal of approximately 10 cubic yards of PCB-contaminated soil by IT Corporation. The PCBs are reported to have been released from a transformer stored in this open space.

No other incidents (e.g., fires, flooding or crashes) are documented to have occurred within or immediately surrounding the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground storage tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 149 is bounded by Parcels 150, 167, 168, 169, and 211. Activities of concern on these adjacent parcels include an automobile repair facility on Parcel 168. Parcel 149 is contiguous with IR Site 13. IR Site 13 is the former Pacific Coast Oil Company Refinery which operated from 1879 to 1903. If the continuing investigation at this IR site or other nearby IR sites reveal a cause for concern at Parcel 149, then additional sampling on this parcel may be appropriate.

RCRA Sites

This parcel contains no RCRA sites.

Parcel Reclassification and Data Gaps Summary

The data collected for this parcel indicate that there are no remaining data gaps. The available information suggests that this parcel may be reclassified from BRAC Category 7 to BRAC Category 6. Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-149-1

TABLE 6-149-1

Summary of Data Gaps
NAS Alameda Parcel 149

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 149.
Installation Restoration (IR) Sites	• Parcel 149 is identified as Installation Restoration (IR) Program Site 16. This parcel is also contiguous with IR Site 13. Previous investigations have been conducted at Parcel 149. Specific data from nine borings and 55 surface soil samples are available for this parcel. Samples were analyzed for pesticides, metals, PCBs, VOCs, and SVOCs. Two SVOCs exceeded their PRGs. If the continuing investigation at IR site 13 or other nearby IR sites reveal a cause for concern at Parcel 149, then additional sampling on this parcel may be appropriate. Additional subsurface investigation relative to IR Site 13 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR site parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-149-1

Summary of Data Gaps
NAS Alameda Parcel 149

Data Gap	Status/Description
Potential Parcel-Specific Release Areas	• Target Area 1 (Open Space): This target area encompasses the open space storage area west of Buildings 338A-338H. Compounds or classes of compounds of concern possible within this target area include corrosives, metals, VOCs, SVOCs, PCBs, and petroleum products. Environmental impacts have occurred within this target area. No sampling is proposed for this target area by this PEP because investigations are currently underway in this area as part of the IR program.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, radiological concerns, transformers, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewers is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 149 because no industrial buildings are present.

As noted earlier, Parcel 149 has and previously had open space areas that were unpaved. Anecdotal evidence indicates that PCBs were historically used for weed control in this area. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Sampling for PCBs and pesticides is being addressed as part of the IR site program.

Once the data gaps in Table 6-149-1 are addressed, Parcel 149 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

This subsection of the PEP discusses the specific parcel target area. The nature and location of this area was evaluated to determine field investigation and sampling strategies. The following target area was identified based on possible impacts from activities described above involving potentially hazardous substances.

- Parcel 149 Target Area 1 (Open Space): This target area encompasses the open space storage area west of Buildings 338A-338H. The size of this target area, as shown on Figure 6-149-1, is approximate. Compounds or classes of compounds of concern possible within this target area include corrosives, metals, VOCs, SVOCs, PCBs, and petroleum products. Environmental impacts are known to have occurred within this target area. No sampling is proposed for this target area by this PEP because investigations are currently

underway in this area as part of the IR program. Additional sampling in this parcel may be necessary pending the results of the current IR investigations.

SECTION 6-152

PARCEL 152 EVALUATION PLAN

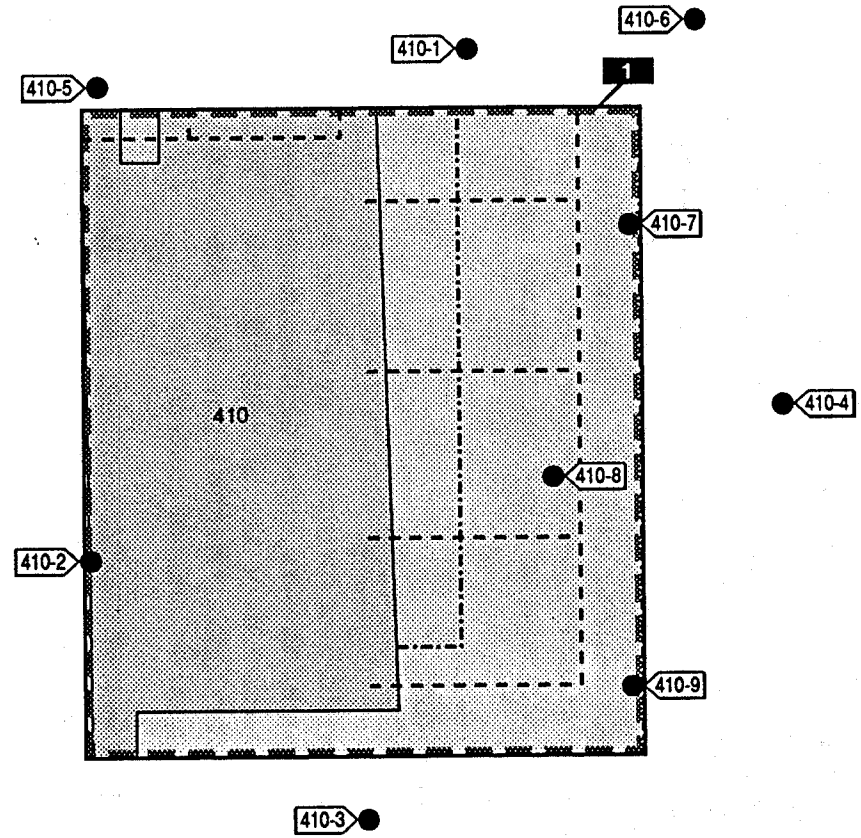
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 152 at NAS Alameda (Figure 6-152-1). The parcel, which is located in the southeastern portion of the base, is 1.6 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a high level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located on this parcel. One zone-wide target investigation area and one parcel-specific target investigation area (target area) identified at this parcel. No zone-wide samples will be collected from this parcel. Due to the ongoing IR investigation at this parcel, no sampling is called for by this PEP. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for evaluating Parcel 152, historical activities are discussed below.

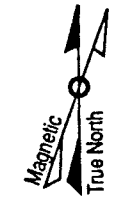
Background and Historical Activities

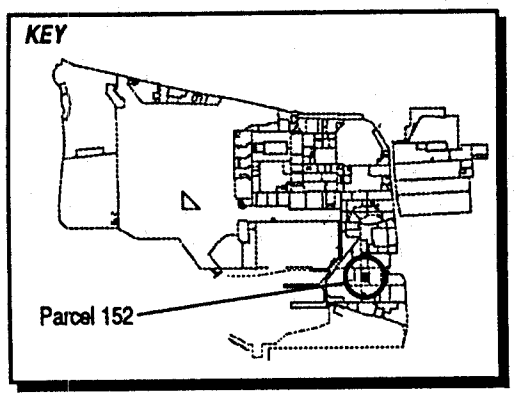
This subsection summarizes EBS information available for the buildings, open spaces, and boundaries of Parcel 152, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts due to compounds of concern.

This parcel has been grouped into a zone with Parcels 132, 133, 134, 141, 142, 143, 145, 146, 147, 148, 149, 153, 164, 210, 211, and 214. This parcel zone has been designated the Southeastern Refinery and Heavy Industrial Zone (Zone 22). The Southeastern Refinery and Heavy Industrial Zone encompasses the parcels that have been used as refinery or refinery support facilities, or industrial or industrial support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data







LEGEND

- Target Area 1
- Industrial Waste Line
- Storm Sewer Line
- Boring Location (Canonie Environmental, Inc.)

Note: *1.) Sampling of Target Area 1 is being addressed by the IR Program. No sampling is called for in this PEP.*

1"= 90'

Figure 6-152-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7/94
2121.90.10/DS/07.07.94

evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 22.

Filling began in the area covered by this parcel in approximately 1942. Prior to this time, the parcel was completely inundated by San Francisco Bay. The area within the parcel boundaries was completely filled as of 1946; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 410) covers approximately 50 percent of the parcel. The remaining 50 percent of the parcel is open space. The parcel area is presently used for materials storage. Underground sewer lines are present at this parcel and are shown in Figure 6-152-1.

Parcel 152 is located within 500 feet of Installation Restoration (IR) Program Site 13. IR Site 13 is the former Pacific Coast Oil Company Refinery which operated from 1879 to 1903. Building 410 (Parcel 152) is identified as Installation Restoration (IR) Program Site 9 (Paint Stripping). Previous investigations have been conducted at this parcel and specific data from nine borings located within and around the parcel are available. Soil samples from these borings were analyzed for metals, VOCs, and SVOCs. One SVOC was detected in concentrations exceeding its PRG in seven of the nine borings. This compound, benzo(a)pyrene, exceed the residential and industrial PRG in Boring 410-7. In borings 410-1, 410-2, 410-3, 410-4, 410-6, and 410-9 it exceeded its residential PRG and, in at least one other sample from each of these borings, the detection limit was above the industrial PRG. Metals concentrations were compared to typical concentration ranges for soil at NAS Alameda as determined by PRC under CTO 121 Mod. 0001. Only magnesium exceeded the typical range, as indicated in *CLEAN Data Summary Report RI/FS Phase 1 and 2A* (PRC/JMM, 1993). These concentrations were found in borings 410-1, 410-5, and 410-7. Refer to Figure 6-152-1 for approximate boring locations. These data, however, were collected during an investigation by Canonie and have not been independently verified.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 410

Building 410 was constructed in 1958 and served as an aircraft stripping facility. This building is in poor condition and is scheduled to be demolished. Building 410 is a single story building with a concrete floor, metal panel walls, and metal roofing. Building 410 is a large hanger, and covers approximately 35,000 square feet.

Utilities located within and immediately surrounding Building 410 include sanitary sewer, storm sewer, water, electrical, and industrial sewer lines.

Information collected during the EBS indicates that activities conducted within this building included aircraft cleaning and stripping, and corrosion control activities. These types of industrial processes typically involved the use or generation of chemicals and wastes including oils, paints, paint strippers, detergents, and waste water containing chromium, phenols and methylene chloride. These processes occurred within Building 410 from 1958 until the 1980s.

Methylene chloride, phenol, and other chemicals associated with aircraft paint stripping and cleaning are documented to have been stored in a half-open shed area attached to the north side of Building 410. Three abandoned above ground storage tanks are also present. Two of the abandoned tanks had a capacity of approximately 10,000 gallons in this area each, and the labels indicated the previous contents were phenol and methylene chloride respectively. Pipe fittings from these tanks lead into the hanger area of Building 410. The third tank had a capacity of approximately 1,500 gallons, and its previous contents are unknown. There is evidence suggesting a fourth tank was present historically.

Anecdotal evidence in the EBS indicates that there were significant fuel spills associated with the connecting and disconnecting of aircraft engines during the cleaning process. Many stains are present in the tank storage area, and etching is evident on the concrete slab underlying the tanks. Wastewater from Building 410 flowed through industrial sewer lines to a nearby IWTP located in Parcel 153.

Building 410 is equipped with a heating-ventilation-air conditioning (HVAC) system. Soot and dust is present at the registers of the HVAC system, however, because the building is scheduled for demolition, the condition of the HVAC system should not be a concern. No other incidents (e.g., flooding, fires, or crashes), are documented to have occurred within or immediately surrounding Building 410.

Open Space

The open space covers approximately 50 percent of the parcel. The open space is completely paved with concrete. The concrete is in generally fair condition. There are many stains on the concrete slab, and the slab is heavily etched in several areas.

EBS information indicates that activities conducted within this open space include aircraft parking and washdown. These activities were conducted in association with the aircraft stripping activity occurring within Building 410. For approximately the last five years, this open space has been used for materials and equipment storage, primarily large avionics equipment.

Review of site inspection data indicates that undocumented spills may have occurred throughout the open space, as evidenced by staining of the concrete surface. These spills appear to be aircraft fuel associated with connecting and disconnecting aircraft engines during the cleaning process and to have involved a relatively significant quantity of released material.

No other incidents, are documented to have occurred within the Open Space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground storage tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 152 (IR Site 9) is bounded by Parcel 153 to the north, east, and south, and by Eighth Street and Parcel 154 to the west. Past activities of concern on Parcel 153 include the former operation of an industrial wastewater treatment plant (Facility 588) associated with Building 410.

RCRA Sites

This parcel contains no RCRA sites.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 152, consistent with the objectives described in Section 1 of the Shell Workplan. The available information suggests that this parcel may be reclassified from BRAC Category 7 to BRAC Category 6. Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-152-1 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewers is discussed in corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 152 because the only building present, Building 410, is scheduled for demolition. Once the data gaps in Table 6-152-1 are addressed, Parcel 152 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

This subsection of the PEP discusses the specific parcel target area and provides an overview of the zone-wide target area. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 22. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies.

- Parcel 152 Target Area 1 (Whole Parcel): No sampling is called for in this target area because sampling investigations are currently underway in this parcel as part of the IR program. The IR program calls for soil sampling in the open space area of this parcel and from

TABLE 6-152-1

Summary of Data Gaps
NAS Alameda Parcel 152

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• The industrial building at Parcel 152 is slated for demolition, therefore.
Installation Restoration (IR) Sites	• IR Site 9 (Building 410) is located completely within the boundary of Parcel 152. IR Site 13 is located within 500 feet east of Parcel 152. Additional subsurface investigation relative to IR Sites 9 and 13 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR site, parcels identified.
Potential Zone-Wide Release Areas	• Incinerator: Parcels 134, 141, 142, 143, 146, 147, 152, 153, 164, 210, and 211 may have been impacted by historical airborne releases of dioxins and furans from the incinerator fomerly housed in former Building 68. Building 68 is upwind of these parcels in prevailing wind conditions. No samples for this zone will be collected Parcel 152.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-152-1

Summary of Data Gaps
NAS Alameda Parcel 152

Data Gap	Status/Description
Potential Parcel-Specific Release Areas	• No potential release areas identified, other than those being addressed by the IR Site Program.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, industrial sewer, electrical, and water lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

underneath Building 410. Currently, ten combined GeoProbe and HydroPunch sample locations and one monitoring well location are specified for this site. Additional sampling in this parcel may be necessary pending the results of the current IR investigations.

- Zone 22 Target Area 1 (Former Incinerator): This target area includes Parcels 134, 141, 142, 143, 146, 147, 152, 153, 164, 210, and 211 in Zone 22, and Parcels 139, 140, 150, 151, 154, and 201 in Zone 19, and encompasses the parcels located downwind of the former incinerator in former Building 68. Classes of compounds of concern possible within this target area include dioxins and furans. The likelihood of environmental impact within this target area is classified as potential. The samples proposed for the zone-wide target area are located on adjacent parcels; no sampling in this target area is proposed for this parcel. The zone-wide target area is described in detail in the Zone Analysis Plan for Zone 22.

SECTION 6-153

PARCEL 153 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 153 at NAS Alameda (Figure 6-153-1). The parcel, which is located in the southeastern portion of the base, is 2.4 acres in size and is irregular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located on this parcel. One parcel-specific and one zone wide target investigation area (target area) have been identified on this parcel. The sampling procedures called for in the screening-level investigation in these areas are surface soil sampling and subsurface GeoProbe sampling. Table 6-153-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 153, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for the buildings, open spaces, and boundaries of Parcel 153, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts due to compounds of concern.

This parcel has been grouped into a zone with Parcels 132, 133, 134, 141, 142, 143, 144, 145, 146, 147, 148, 149, 152, 164, 210, 211, and 214. This parcel zone has been designated the Southeastern Refinery and Heavy Industrial Zone (Zone 22). The Southeastern Refinery and Heavy Industrial Zone encompasses the parcels that have been used as refinery or refinery support facilities, or industrial or industrial support

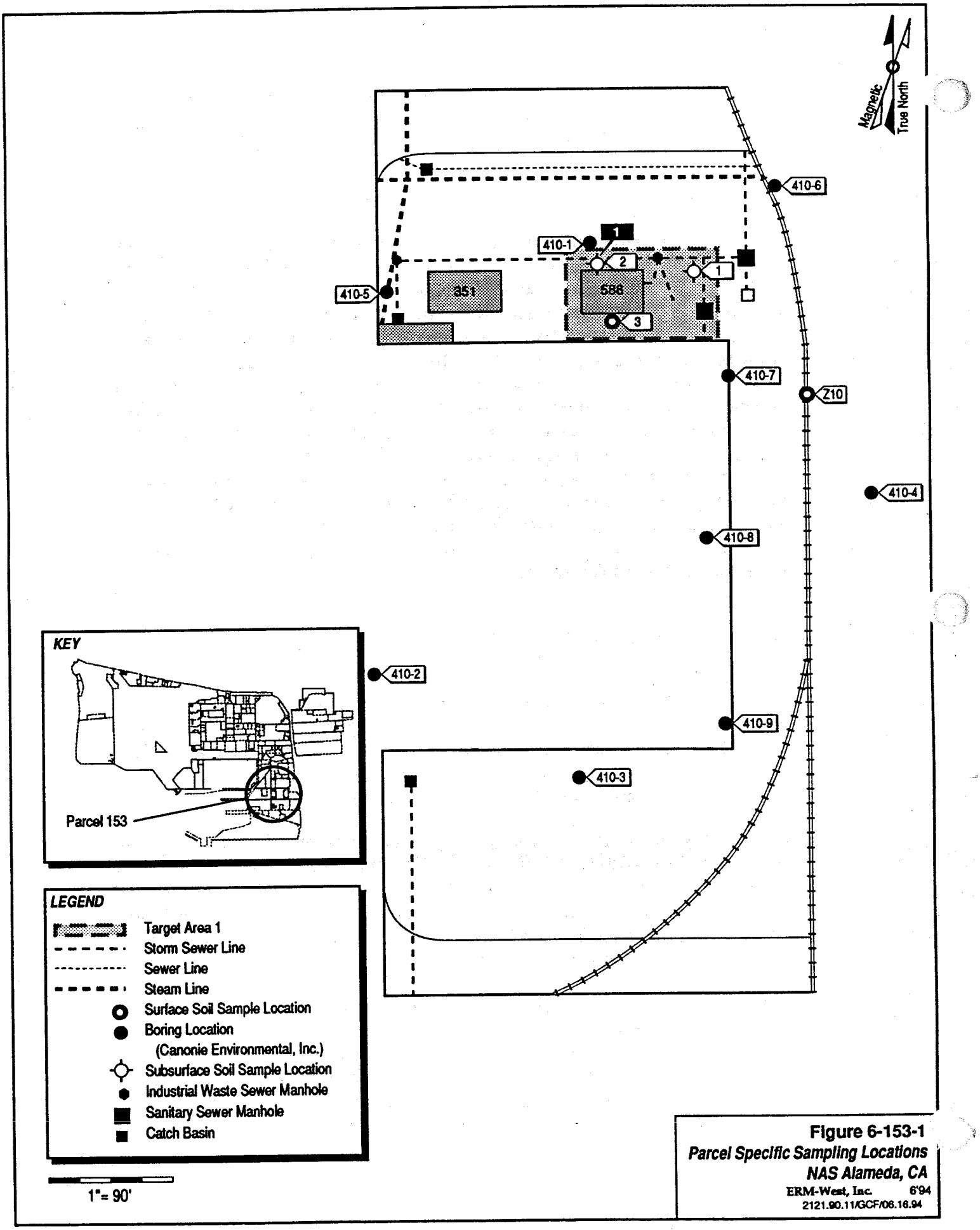


Figure 6-153-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/GCF/06.16.94

TABLE 6-153-1

Summary of Recommended Samples
NAS Alameda Parcel 153

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
153-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Acids, Bases, Fuels	pH, TPH	Test Kit
153-1-3-S-V-DDMMYY	3.0'	Subsurface	Soil	Target Area 1	Solvents	VOCs	CLP RAS
153-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Acids, Bases, Fuels	pH, TPH	Test Kit
153-2-3-S-V-DDMMYY	3.0'	Subsurface	Soil	Target Area 1	Solvents	VOCs	CLP RAS
153-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Acids, Bases, Fuels	pH, TPH	Test Kit
153-3-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Acids, Bases, Fuels	pH, TPH	Ch 7, SW846, Mod. 8015
Z22-10-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	PCBs, Fuels, Oils	PCBs, TPH, Lead	Test Kit, XRF
Z22-10-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	PCBs, Fuels, Oils	PCBs, TPH, Lead	CLP RAS, Mod. 8015
Z22-10-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 2	Creosote, Railroad Tie Tar	SVOCs	CLP RAS

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 22.

Filling began in the area covered by this parcel in 1942. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel was completely filled as of 1946; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 351) and one structure (Structure 588) are present on the parcel. Building 351, a corrosion control facility, covers approximately one percent of the parcel area. The remaining area, including Structure 588, is open space. The open space is currently used for materials storage. The material stored is mostly large avionics equipment. Prior to 1958, the entire parcel was used for aircraft parking. Underground sewer lines are present at this parcel and are shown in Figure 6-153-1.

This parcel is not an IR site but it is located adjacent to IR Site 9 (the aircraft stripping facility) and within 500 feet of IR Site 13. Previous investigations have been conducted at these IR sites. Many of the data from the investigation at IR Site 9 are located in and around Parcel 153. These data include results from soil analyses from nine borings. The analytes included metals, pesticides, VOCs, and SVOCs. Of all the compounds tested, only one SVOC (benzo(a)pyrene) was detected in concentrations exceeding its PRG. This occurred in seven of the nine borings. In six of these borings (borings 410-1, 410-2, 410-3, 410-4, 410-6, and 410-9) the residential PRG was exceeded at least once and, for each of these six borings, the detection limit was above the industrial PRG at least once. In the seventh boring (boring 410-7) only the residential PRG was exceeded. Metals concentrations were compared to typical concentration ranges for soil at NAS Alameda as determined by PRC under CTO 121 Mod. 0001. Only magnesium exceeded the typical range, as reported in *CLEAN Data Summary Report RI/FS Phase 1 and 2A* (PRC/JMM, 1993). These elevated magnesium concentrations were found in borings 410-1, 410-5, and 410-7. Refer to Figure 6-153-1 for approximate boring locations. These data were collected during an investigation by Canonie and have not been independently verified.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 351

Building 351 was constructed in 1949 and served as a corrosion control facility until 1990. This building is in fair condition. It has a concrete floor and metal wall panels that curve inward as they rise forming the shape of a half cylinder (Quonset Hut). This one-story building covers approximately 2,000 square feet. It is currently abandoned. The space occupied by Building 351 was formerly open space used for aircraft parking.

Utilities located within and immediately surrounding this building include sanitary, industrial, and storm sewers; underground electrical distribution lines; and steam and condensate lines.

The corrosion control activities that were conducted within this building typically involved the use of acids and bases. These processes occurred within Building 351 from the late 1950's into the 1980's.No spills or staining was noted in the building during site inspections. No other incidents (e.g., floods, fires, or crashes) are documented to have occurred within or immediately surrounding Building 351.

Structure 588

Structure 588 is an abandoned industrial wastewater treatment plant (IWTP). It is unknown when this facility was constructed or abandoned. Wastewater from Building 410 (located in Parcel 152), as well as wastewater from other industrial buildings in the southeastern part of the Base, flowed to this IWTP prior to discharge to the sanitary sewer system. Structure 588 consists of an open shed-like structure covering approximately 200 square feet. The structure is two stories tall. An at-grade concrete vault (having a capacity of approximately 16,000 gallons) lies to the west of Structure 588 and is part of the IWTP. Eight ASTs are currently located within Structure 588 or immediately to the east and are all associated with IWTP processes. The area around many of these tanks is corroded and caked with residue. One tank clearly appears to have overflowed at one time. Acids, bases, coagulants, and other IWTP-related chemicals likely were stored and used in this area. The waste stream treated at this IWTP included wastes from Building 410, which contained oils, paints, paint strippers, detergents, phenols, and methylene chloride.

Utilities located within and immediately surrounding this structure include sanitary, industrial, and storm sewers; underground electrical distribution lines; and steam and condensate lines. No other incidents (e.g., floods, fires, or crashes) are documented to have occurred within or immediately surrounding this structure.

Open Space

The open space covers approximately 99 percent of the parcel. The open space is completely paved: most of the area is paved with asphalt; the remainder is paved with concrete. The pavement is in fair condition. There is minor staining throughout this open space. EBS information indicates that activities conducted within this open space included aircraft parking from the 1940's through about 1958. Since then, the open space has been used for materials storage.

Services and utilities located within and immediately surrounding this parcel include sanitary, industrial, and storm sewers; underground electrical distribution lines; and steam and condensate lines.

No spills or staining were observed in the open space, except as previously noted, during site inspections. No other incidents (e.g., floods, fires, or crashes) are documented to have occurred within this open space.

Underground Storage Tanks

No evidence of underground storage tanks (USTs), other than the concrete vault associated with the IWTP, has been identified at this parcel.

Parcel Boundary Conditions

Parcel 153 is bounded by Parcel 211, 150, 154 and 152, and 141 to the east, south, west, and north, respectively. Parcel 152 contains Building 410, which is identified as IR Site 9. Parcel 153 is also located within 500 feet of IR Site 13. IR Site 13 is the former Pacific Coast Oil Company Refinery which operated from 1879 to 1903. If the continuing investigations at IR Sites 9 and 13 reveal a cause for concern at Parcel 153, then additional sampling on this parcel may be appropriate. Activities of concern on Parcel 211 include aircraft defueling operations.

RCRA Sites

This parcel contains no RCRA sites.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 153, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-153-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, asbestos, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 351. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-153-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 153 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target area and is also contained in a zone with one zone-wide target area. This subsection of the PEP discusses specific parcel target areas and provides an overview of the zone-wide target areas. The discussion of the zone-wide target areas

TABLE 6-153-2

Summary of Data Gaps
NAS Alameda Parcel 153

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• IH issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• Parcel 153 is bounded by Parcel 211, 150, 154 and 152, and 141 to the east, south, west, and north, respectively. Parcel 152 contains Building 410, which is identified as IR Site 9. Parcel 153 is also located within 500 feet of IR Site 13. IR Site 13 is the former Pacific Coast Oil Company Refinery which operated from 1879 to 1903. Additional subsurface investigation relative to IR Sites 9 and 13 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-153-2

Summary of Data Gaps
NAS Alameda Parcel 153

Data Gap	Status/Description
Potential Zone-Wide Release Areas	• Railroad Tracks: This target area includes all current and former railroad track areas within or adjacent to the Southeastern Refinery and Heavy Industrial Zone. Railroad tracks are located in the eastern portion of Parcel 153. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. • Incinerator: Parcels 134, 141, 142, 143, 146, 147, 152, 153, 164, 210, and 211 may have been impacted by historical airborne releases of dioxins and furans from the incinerator fomerly housed in former Building 68. Building 68 is upwind of these parcels under prevailing wind conditions. No samples for this zone will be collected from Parcel 153.
Potential Parcel-Specific Release Areas	• Structure 588
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, industrial sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target areas and the proposed sampling is provided in the Zone Analysis Plan for Zone 22. The nature and locations of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following target areas were identified based on the potential release areas described above and listed in Table 6-153-2.

- Parcel 153 Target Area 1 (Structure 588): This target area has been established to encompass the former industrial wastewater treatment plant and the area immediately around it, including all the aboveground storage tanks on the east of the facility and the at-grade vaults on the west side. This target area is approximately 7,000 square feet in area. Compounds of potential concern within this target area include acids, bases, coagulants, and other wastewater treatment compounds, and compounds released in wastewater stream from Building 400. These samples will also be analyzed for TPH and VOCs because of the potential use of the wastewater vault for other types of liquid storage. The likelihood of environmental impact having occurred at this target area is classified as potential. Samples to be collected in this target area are listed in Table 6-153-1, and shown on Figure 6-153-1.

- Zone 22 Target Area 2 (Railroad Tracks): This target area includes all current and former railroad track areas within or adjacent to the Southeastern Refinery and Heavy Industrial Zone. Railroad tracks are located in the northern portion of the parcel. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars and engines. This target area is classified as having potential likelihood of impacts. One surface soil sample will be collected approximately every 800 linear feet along the track areas. One of the eight surface soil samples for this zone target area is located on this parcel, and is proposed confirmation sample location. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. In the case of former tracks, the location of the tracks will be verified prior to sampling by historical maps, shallow exploratory excavations, metal detectors, or other appropriate means. The sample to be collected in this target area is listed in Table 6-153-1. The approximate sampling location is shown on Figure 6-153-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) and subsurface GeoProbe soil sampling (SOP 14) are the screening-level techniques that will be employed to assess conditions in target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-153-1 summarizes screening-level sampling and analysis for the parcel target areas. Four surface soil and two subsurface soil samples will be collected from the locations shown on Figure 6-153-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Because low pH increases the mobility of metals in soil, additional soil sampling may be necessary in Target Area 1 if the screening-level results show evidence of low soil pH. If this is the case, then soil samples should be analyzed for metals.

SECTION 6-164

PARCEL 164 EVALUATION PLAN

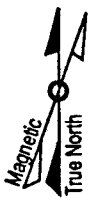
This Parcel-specific Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 164 at NAS Alameda (Figure 6-164-1). The parcel, which is located in the southeastern portion of the base, is 2.1 acres in size and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel does not contain any RCRA sites. One zone-wide and no parcel-specific target investigation areas (target areas) were identified on this parcel. No zone-wide samples will be collected from this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 164, historical activities are discussed below.

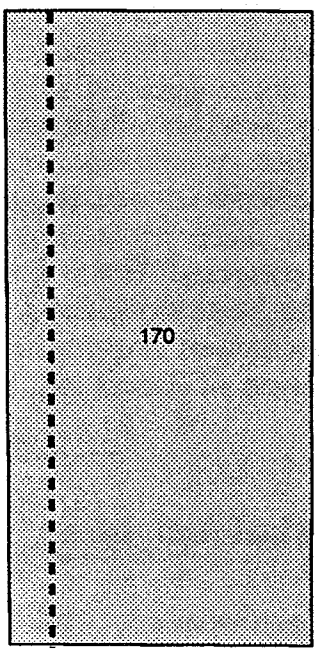
Background and Historical Activities

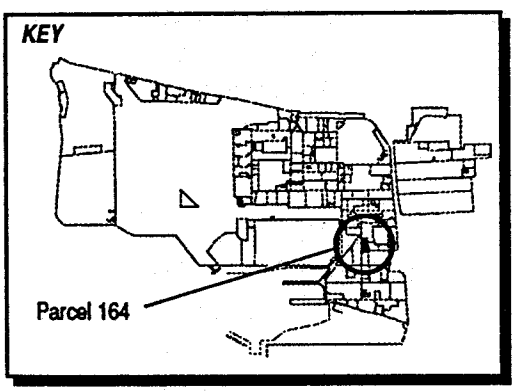
This subsection summarizes EBS information available for the buildings, open spaces, and boundaries of Parcel 164, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts due to compounds of concern.

This parcel has been grouped into a zone with Parcels 132, 133, 134, 141, 142, 143, 144, 145, 146, 147, 148, 149, 152, 153, 210, 211, and 214. This parcel zone has been designated the Southeastern Refinery and Heavy Industrial Zone (Zone 22). The Southeastern Refinery and Heavy Industrial Zone encompasses the parcels that have been used as refinery or refinery support facilities, or industrial or industrial support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data







LEGEND

Steam Line

1"= 125'

Figure 6-164-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/AMR/06.28.94

evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 22.

Filling began in the area covered by this parcel in approximately 1942. Prior to this time, the parcel area was completely inundated by San Francisco Bay. The parcel area was completely filled as of 1946; the ground level and grading have not changed significantly since that time.

Currently, one building (Building 170) covers 100 percent of the parcel. There is no open space on this parcel. Fuel and sewer lines are present at this parcel and are shown in Figure 6-164-1.

Parcel 164 is located within 500 feet of five Installation Restoration (IR) Program sites (IR sites 4, 7B, 11, 13, and 19). Previous investigations have been conducted at each of these IR sites but they did not include sampling on or immediately around Parcel 164; however, current investigations at IR Site 19 call for sampling in and very near to this parcel.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 170

Building 170 was constructed in 1946 and provides general warehouse operations. This building is in fairly good condition. It covers approximately 92,000 square feet and has additional loft space inside. The building walls are constructed with cement blocks to a height of approximately five feet and continue to the roof with corrugated galvanized metal panels mounted on steel framing. The roof is constructed with a vaulted metal frame and corrugated metal roofing.

Utilities located within and immediately surrounding this building include sanitary, storm, and industrial sewers; underground electrical distribution lines; potable and fire protection water lines; and steam and condensate lines. Most of these services run north to south along the western edge of the building.

Information collected during the EBS indicates that activities conducted within this building included storage and packaging of aviation equipment. A GAP site has been recently located in the office area located in the northwest corner of the building. This operation handles a continual low-volume throughput of various hazardous materials.

A stain of liquid foam packaging material, as recorded in the EBS, covers about a 15 square foot area along the western building exterior wall in the northern portion of this building. This release is apparently due to the continual use of packaging foam supplied in liquid form in 55-gallon drums.

No other incidents (e.g., crashes, floods, or fires) were documented to have occurred within or immediately surrounding Building 170.

Underground Storage Tanks

No evidence of underground storage tanks (USTs) has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground storage tanks are may have been present at this parcel.

Parcel Boundary Conditions

Parcel 164 is bounded by Parcels 134 and 140. Activities of concern on the adjacent parcels include a 2,000 gallon spill of aviation fuel in Parcel 134 west of Building 372. The spill occurred in 1992 and has been remediated. The spill occurred within approximately 75 feet of Parcel 164. The Pacific Coast Oil Company Refinery, which operated from 1879 to 1903 on property now identified as IR site 13, is located within 500 feet of Parcel 164 and therefore may be of concern.

No parcels contiguous with Parcel 164 are IR sites, therefore, this PEP does not require sampling specifically in response to the five nearby IR sites. If the continuing investigations at any of the IR sites reveal a cause for concern at Parcel 164, then additional sampling on this parcel may be appropriate.

RCRA Sites

This parcel contains no RCRA sites.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 164, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-164-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: lead-based paint, transformers, asbestos, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines, and sewer lines is discussed in the corresponding protocol presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

Although no Industrial Hygiene (IH) sampling is specified in this PEP, IH issues are potentially of concern in Building 170. The one-time compliance program will determine whether further sampling or cleanup measures are required within this building before transfer or lease can occur.

Once the data gaps in Table 6-164-1 are addressed, Parcel 164 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

One zone-wide target area was identified for Parcel 164. No parcel-specific target areas were identified for this parcel. The zone-wide target area is described in detail in the Zone Analysis Plan for Zone 22.

- Zone 22 Target Area 1 (Former Incinerator): This target area includes Parcels 134, 141, 142, 143, 146, 147, 152, 153, 164, 210, and 211 in Zone 22, and Parcels 139, 140, 150, 151, 154, and 201 in Zone 19, and encompasses the parcels located downwind of the former incinerator in former Building 68. Classes of compounds of concern possible within this target area include dioxins and furans. The likelihood of environmental impact within this target area is

TABLE 6-164-1

Summary of Data Gaps
NAS Alameda Parcel 164

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• Industrial hygiene issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• Parcel 164 is located within 500 feet of five Installation Restoration (IR) Program sites (IR sites 4, 7B, 11, 13, and 19). Previous investigations have been conducted at each of these IR sites but they did not include sampling on or immediately around Parcel 164; however, current investigations at IR Site 19 call for sampling in and very near to this parcel. No other current investigations at the five IR sites call for sampling on or very near Parcel 164.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring parcels identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-164-1

Summary of Data Gaps
NAS Alameda Parcel 164

Data Gap	Status/Description
Potential Zone-Wide Release Areas	• Incinerator: Parcels 134, 141, 142, 143, 146, 147, 152, 153, 164, 210, and 211 may have been impacted by historical airborne releases of dioxins and furans from the incinerator fomerly housed in former Building 68. Building 68 is upwind of these parcels under prevailing wind conditions. No samples for this zone will be collected Parcel 164.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, industrial sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

classified as potential. The samples proposed for the zone-wide target area are located on adjacent parcels. The zone-wide target area is described in detail in the Zone Analysis Plan for Zone 22.

In addition, concerns pertaining to: industrial hygiene, asbestos, lead-based paint, PCBs, underground lines, radiological issues, and nearby IR sites, must be resolved before this parcel can be reclassified from BRAC Category 7, leased, or transferred.

Z22

SECTION 6-210

PARCEL 210 EVALUATION PLAN

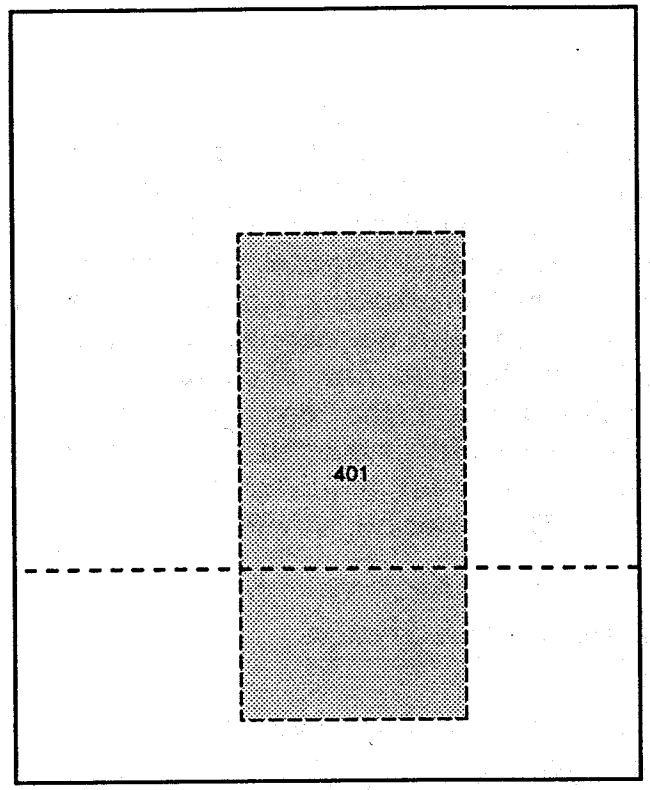
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 210 at NAS Alameda (Figure 6-210-1). The parcel, which is located in the southeastern portion of the base, is less than an acre in size and is rectangular in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One zone-wide and no parcel-specific target investigation areas (target areas) have been identified on this parcel. No sampling is proposed for this parcel in the zone target area. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for evaluating Parcel 210, historical activities are discussed below.

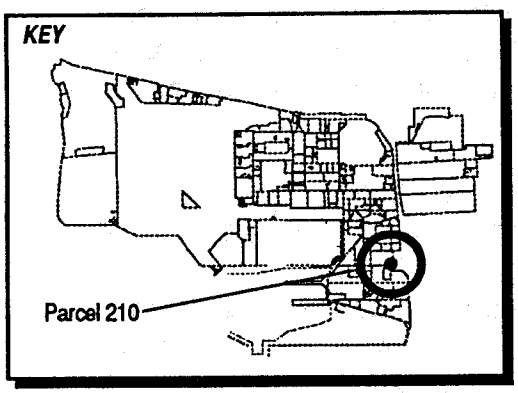
Background and Historical Activities

This subsection summarizes EBS information available for the buildings, open spaces, and boundaries of Parcel 210, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts due to compounds of concern.

This parcel has been grouped into a zone with Parcels 132, 133, 134, 141, 142, 143, 144, 145, 146, 147, 148, 149, 152, 153, 164, 211, and 214. This parcel zone has been designated the Southeastern Refinery and Heavy Industrial Zone (Zone 22). The Southeastern Refinery and Heavy Industrial Zone encompasses the parcels that have been used as refinery or refinery support facilities, or industrial or industrial support facilities. During the sampling program development, the parcels located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the





LEGEND

Storm Sewer Line

1"= 15'

Figure 6-210-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/07.08.94

entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 22.

This parcel is located on the area formerly known as Old Alameda Point, and was part of the original peninsula of Alameda.

One building (Building 401, a shelter for bus passengers) was formerly located on the parcel. Building 401 covered approximately 20 percent of the parcel area. Currently, the entire parcel area is open space. Sewer lines are present at this parcel and are shown in Figure 6-210-1.

Parcel 210 is part of Installation Restoration (IR) Program Site 13, and the parcel is located within 500 feet of IR Site 10B. Previous investigations have been conducted at these IR sites. Specific data from several soil borings located near parcel 210 are available. No VOCs, SVOCs, or pesticides detected in these borings exceeded their residential PRGs. These data were collected during an investigation by Canonie and have not been independently verified.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental concern within parcel open space are described in detail below.

Building 401 (Demolished)

Building 401 was constructed in 1945 and served as a passenger bus shelter. The building has been demolished. The type of construction and the construction materials used are unknown. The building covered approximately 150 square feet. No chemical storage or use is documented to have occurred within Buiiding 401.

Open Space

The open space is entirely paved with concrete in good condition. An underground storm sewer line is the only utility located at this parcel.

Underground Storage Tanks

No evidence of underground storage tanks (USTs) has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are present on Parcel 210.

Parcel Boundary Conditions

Parcel 210 is bounded by Parcels 147, 211, and 214. Activities of concern within these parcels includes the past use of five former ASTs (Tanks 324-1 through 324-5) located at Parcel 147. Parcel 210 is located within IR Site 13, the former Pacific Coast Oil Company Refinery, which operated from 1879 to 1903. Investigations are planned for several areas within this IR site. If any of these investigations reveal a cause for concern at Parcel 210, then sampling on this parcel may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 210, consistent with the objectives described in Section 1 of the Shell Workplan. The available information suggests that this parcel may be reclassified from BRAC Category 7 to BRAC Category 6. Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-210-1 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: radiological concerns and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewers is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6. No Industrial Hygiene (IH) sampling is required for Parcel 210 because no buildings are present.

Once the data gaps in Table 6-210-1 are addressed, Parcel 210 may be leased or transferred, as appropriate.

Target Areas and Compounds of Concern

One zone-wide target area was identified for Parcel 210. No parcel-specific target areas were identified for this parcel. The zone-wide

TABLE 6-210-1

Summary of Data Gaps
NAS Alameda Parcel 210

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 210.
Installation Restoration (IR) Sites	• Parcel 210 is located within IR Site 13, the former Pacific Coast Oil Company Refinery which operated from 1879 to 1903. Investigations are planned for several areas within this IR site.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.
Potential Zone-Wide Release Areas	• (Former Incinerator): This target area includes Parcels 134, 141, 142, 143, 146, 147, 152, 153, 164, 210, and 211 in Zone 22, and Parcels 139, 140, 150, 151, 154, and 201 in Zone 19, and encompasses the parcels located downwind of the former incinerator in former Building 68. Classes of compounds of concern possible within this target area include dioxins and furans. The samples proposed for the zone-wide target area are located on adjacent parcels.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-210-1

Summary of Data Gaps
NAS Alameda Parcel 210

Data Gap	Status/Description
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer lines identified.
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

target area is described in detail in the Zone Analysis Plan for Zone 22. This zone-wide target area includes:

- Zone 22 Target Area 1 (Former Incinerator): This target area includes Parcels 134, 141, 142, 143, 146, 147, 152, 153, 164, 210, and 211 in Zone 22, and Parcels 139, 140, 150, 151, 154, and 201 in Zone 19, and encompasses the parcels located downwind of the former incinerator in former Building 68. Classes of compounds of concern possible within this target area include dioxins and furans. The likelihood of environmental impact within this target area is classified as potential. The samples proposed for the zone-wide target area are located on adjacent parcels. The zone-wide target area is described in detail in the Zone Analysis Plan for Zone 22.

In addition, concerns pertaining to: underground lines, radiological issues, and the IR site status must be resolved before this parcel can be reclassified from BRAC Category 6, leased, or transferred.

SECTION 6-211

PARCEL 211 EVALUATION PLAN

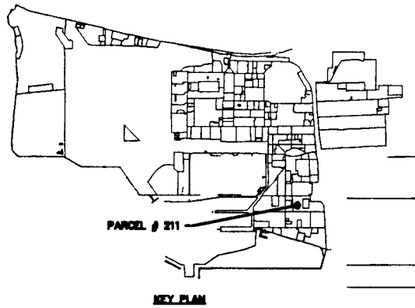
This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 211 at NAS Alameda (Figure 6-211-1). The parcel, which is located in the southeastern portion of the base, is approximately 12 acres in size and is roughly rectangular in shape. The parcel has been classified as requiring a moderate level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. This parcel contains no RCRA sites. One parcel-specific and one zone-wide target investigation area (target area) have been identified on this parcel. Surface soil sampling will be used to accomplish the screening-level investigation. Table 6-211-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 211, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 211, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 132, 133, 134, 141, 142, 143, 144, 145, 146, 147, 148, 149, 152, 153, 164, 210, and 214. This parcel zone has been designated the Southeastern Refinery and Heavy Industrial Zone (Zone 22). The Southeastern Refinery and Heavy Industrial Zone encompasses the parcels that have been used as refinery or refinery support facilities, or industrial or industrial support facilities. During the sampling program development, the parcels



KEY PLAN

GENERAL LEGEND

PARCEL OUTLINE

MWOR-2 MONITORING WELL (Canonie Environmental, Inc.)

BOR-20 BORING LOCATION (Canonie Environmental, Inc.)

12 SURFACE SOIL SAMPLE & No.

(2) TARGET AREA & No.

SANITARY SEWER LINE LEGEND

(2-1) SANITARY SEWER MANHOLE & No.

L.S.8 LIFT STATION & No.

—SW— SANITARY SEWER LINE

MATERIALS:

C.I. – CAST IRON
V.C. – VETRIFIED CLAY

NOTES:

1. ALL SANITARY SEWERS ARE VITRIFIED CLAY PIPE UNLESS NOTED OTHERWISE.

STEAM LINE LEGEND

—ST— STEAM LINE

INDUSTRIAL WASTE LINE LEGEND

(3-6) INDUSTRIAL WASTE MANHOLE & No.

O.S. OIL SEPARATOR

I.W.P.S.3 PUMP STATION & No.

--------- INDUSTRIAL WASTE LINE

STORM DRAIN LEGEND

J-P MANHOLE & No.

CATCH BASIN

—SS— STORM SEWER LINE

MATERIALS:

PAVED INVERT CORREGATED METAL
R.C. – REINFORCED CONCRETE
P.I.C. –

BOR-13
BOR-17
BOR-11
BOR-19
MWOR-3
MWOR-4
MWOR-5
BOR-20
BOR-21
BOR-22
BOR-23
BOR-24
BOR-25
BOR-26
BOR-27
606
561
530-1
530-2
460A
600
529
OPEN SPACE I
PARCEL 148
BUILDING 530
PARKING
NEX SELF STORAGE
OPEN SPACE IV
MWR "A LOT"
OPEN SPACE III
OPEN SPACE II
TANKS
SUSPECT U.S.T.
CENTRAL
S. AVE L
I.W.P.S.3
O.S.
C.O.
L.S.8
2-3
2-2
2-1
3-5
3-7
3-6
3-P-1
5-J
5-J-A
6-J
4-J
3-P
4-P
Z2

SCALE IN FEET
110 0 110 220
1" = 100'

NAVAL AIR STATION, ALAMEDA

FIGURE 6-211-1
PARCEL 211
PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO. 19590211.DWG F:\HOME\JHARGY\NAVY-AS\ALAMEDA\	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS: PWC 17,629 (STORM DRAINS) PWC 108,728 (SANITARY SEWER) PWC 23,997 (INDUSTRIAL WASTES)
SCALE AS NOTED	DATE: 3.07.95/2121.96.45 SHEET 1 OF 1

TABLE 6-211-1

Summary of Recommended Samples
NAS Alameda Parcel 211

Sample Number	Sample Depth	Type of Sample	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
211-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Test Kit
211-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Test Kit
211-3-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Test Kit
211-4-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Test Kit
211-5-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Test Kit
211-5-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	EPA Modified 8015
211-6-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Test Kit
211-7-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Test Kit
211-8-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	Test Kit
211-8-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Fuels, Oils	TPH	EPA Modified 8015
Z22-2-0-S-V-DDMMYY	0.0-0.5'	Surface	Soil	Zone 22 Target Area 1	Incinerator Emissions	Dioxins/Furans	EPA 8280/SAS B

* These are the suggested locations for confirmation samples analysis. The actual locations will depend on field analytical results.

located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 22.

The northern and eastern portions of this parcel were part of the area known as Old Alameda Point, which was part of the original peninsula of Alameda. The southern and western half of the parcel area was inundated under San Francisco Bay prior to 1942. The parcel was completely filled between 1942 and 1946; the ground level and grading have not changed significantly since that time.

Currently, four buildings (Buildings 460A, 529, 600, and 606) and one structure (Structure 561) cover approximately five percent of the parcel. The remaining 95 percent is open space. The following activities occur in this open space: vehicle parking, RV and boat parking, personal storage (in personal storage units), aircraft defueling, and material storage. Sewer lines that are present at this parcel are shown in Figure 6-211-1. The site inspection revealed underground lines associated with fuel transfer operations at this parcel (see discussion under Open Space I); however available maps from NAS Alameda did not indicate the locations of these lines.

Parcel 211 is located within Installation Restoration (IR) Program Site 13 (the former oil refinery area), and also surrounds IR Site 10B (Building 530). In addition, IR sites border the parcel to the west (IR Site 9, Building 410) and to the south (IR Site 16). Previous investigations have been conducted at Parcel 211.

Specific data from the IR Site 13 investigation are available from ten borings within or immediately bordering Parcel 211. In addition, one boring from the investigation of IR Site 9 is located on Parcel 211. Soil samples from these borings were analyzed for metals, pesticides, VOCs, and SVOCs. Benzo(a)pyrene, a SVOC, and Toxaphene, a pesticide, were detected in concentrations which exceeded their PRGs. Benzo(a)pyrene exceeded its residential PRG of 120 µg/kg in Borings MW410-4, MWOR-2, MWOR-5, BOR-11, BOR-12, BOR-23, and BOR-27. However, it only exceed its industrial PRG of 390 µg/kg in borings MWOR-2, BOR-11, and BOR-23. Toxaphene was detected above its residential PRG of 770 µg/kg in boring BOR-26. However, it was not detected at concentrations above its industrial PRG. Additional investigation in this area is necessary to verify these conclusions, and due to the fact that detection limits for samples obtained at this area were frequently above PRGs for Benzo(a)pyrene.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-

containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 460A

Building 460A is a small shed containing control equipment for the defueling facility located in Open Space I. Operations within the defueling area are detailed under Open Space I.

No chemical storage or use is documented to have occurred in this building. No other incidents (e.g., fires, floods, or crashes) are documented to have occurred within or near Building 460A.

Building 529

Building 529 was constructed to supply auxiliary power for Building 530. It is in fair condition and is continues to serve this original purpose. The one-story building is constructed of concrete over a concrete slab. The building covers approximately 3,200 square feet. Utilities located within and immediately surrounding this building include sanitary and storm sewers, underground electrical distribution lines, potable and fire protection water lines, and steam and condensate lines.

During the site inspection, nine 55-gallon drums containing petroleum products and miscellaneous chemicals were noted within the building. The floor of this building was covered in several locations with oil-like stains. Since this staining is on concrete in relatively good condition, no sampling is called for at this time. Grated drains were present throughout the interior of this building.

A large fenced off and concrete paved area was located adjacent to Building 529. Two 1500 kVA, oil-filled transformers, both marked as containing PCBs, and numerous oil-filled switches were located in this area. No staining was noted in this area.

Building 600

Building 600 was constructed as a support building for Building 530. This building contains cooling towers and associated cooling equipment. The building is constructed of a metal frame over a concrete pad. Utilities located within and immediately surrounding

this building include sanitary and storm sewers, underground electrical distribution lines, potable and fire protection water lines, and steam and condensate lines. Several 55-gallon drums of lubricating oil and canisters of freon were stored in this location. Minor oil staining was noted throughout the interior of this building.

Building 606

This building is not shown on the NAS Alameda Base Map, nor does it appear in the building database. Building 606 appears to be an administration building. The building is a portable-type building, with aluminum siding and a wood roof. It is in generally good condition. The building was locked and inaccessible during the site investigation. Utilities located within and immediately surrounding this building include sanitary and storm sewers, underground electrical distribution lines, potable and fire protection water lines, and steam and condensate lines.

A suspect UST was noted adjacent to this building. A vent pipe was evident on the southern side of Building 606, that may indicate the presence of an UST at this location.

Structure 561

Structure 561 is a concrete transformer pad. This structure is located within the fenced region that contains the defueling facility. The only transformer evident was labeled as containing less than one part per million PCBs.

Open Space I

Open Space I is defined by the fenced off area located at the western portion of Parcel 211. This open space area contains a material and equipment storage yard and a defueling facility. Open Space I surrounds Buildings 460A and 606, and Structure 561. The eastern half of Open Space I, which is approximately 30 percent of the area, is paved with concrete. The remainder is paved with asphalt. Utilities located within and immediately surrounding this open space include sanitary, storm, and industrial sewers; underground electrical distribution lines; potable and fire protection water lines; and steam and condensate lines. The site inspection revealed underground lines associated with fuel transfer operations at this parcel (see discussion under Open Space I); however available maps from NAS Alameda did not indicate the locations of these lines.

A review of historical aerial photographs and EBS information indicates that Open Space I was utilized for material and equipment storage from 1947 through 1994. The defueling yard, which is located in the eastern half of this open space, was constructed between 1958 and 1963.

A hazardous materials storage shed is located at the eastern side of Open Space I and contains: 10 5-gallon containers of aircraft cleaning compound, 20 5-gallon containers of grease, 30 gallons of oil in assorted containers, and two 5-gallon containers of solvents.

The defueling facility covers 30 percent of Open Space I. This area is paved with concrete. Five defueling pumps are located in the defueling facility. The area around the two northern most pumps was heavily stained. The other three pumps were surrounded by light staining. Storm drains were noted adjacent to two of the pumps. The defueling area is addressed by Target Area 1.

Drainage barrels are utilized to collect fuel remaining in lines after an aircraft is defueled. Fuel is collected and then emptied into the defueling system. Drainage barrels are subsequently stored adjacent to the defueling pumps in an inverted position. Staining was noted at drainage barrel storage areas adjacent to the two northern most pumps.

Defueling pumps are connected via underground piping to a fuel pump located at the southern portion of the yard. The fuel pump is surrounded by a sandbag berm. Staining was noted throughout the bermed interior area. A storm drain was located inside the containment.

The fuel pump is connected via underground piping to the two aboveground storage tanks (ASTs) located at the southeast corner of the site. AST 1 and AST 2 contain, respectively, 10-10 oil and 10-10 oil mixed with fuel. Apparently, prior to defueling, 10-10 oil from AST 1 is pumped into an aircraft through the defueling pumps as an accident prevention measure. Subsequently, the fuel mixed with 10-10 oil is removed from the aircraft, and is pumped into AST 2, where it is stored prior to being recycled. Both of these ASTs are surrounded by containment. Drains were evident inside each containment area; it was unclear if these drains were sealed or where they connected to.

The western half of Open Space I is used for storage of aircraft-related equipment and materials.

Open Space II

Open Space II includes the vehicle parking areas (except the MWR parking area) and surrounding roadways. Minor vehicle parking stains were noted throughout this open space. Approximately 95 percent of this area is paved with asphalt, a small area is paved with concrete and another small area is unpaved. Utilities located within and immediately surrounding this open space include sanitary, storm, and industrial sewers, underground electrical distribution lines, and potable and fire protection water lines.

A review of historical aerial photographs and EBS information indicates that Open Space II was utilized for aircraft parking from 1947 through 1970. The area appeared to be developed to its current state in 1975.

Two apparently non-functional sewage lift stations were located to the west and northwest of Building 530. A water pipe and hose were located over an unpaved 20 foot by 20 foot area in the southwest of the parcel.

Open Space III

Open Space III is the MWR "A Lot." Open Space III is covered in spots by weathered asphalt, but most of the asphalt previously located in this area is no longer present. Gravel has been spread throughout the entire parking area as a cover material, and metal tracks have been laid to provide firmer footing for vehicles. Utilities located within and immediately surrounding this open space include sanitary and storm sewers, underground electrical distribution lines, and potable and fire protection water lines.

A review of historical aerial photographs and EBS information indicates that Open Space III was a grassy undeveloped area from 1947 through 1970. Open Space III appears to have been developed to its current state in 1975.

Open Space III is utilized for parking of recreational vehicles and power boats. Minor vehicle parking stains were noted throughout this area.

Open Space IV

Open Space IV is occupied by the NEX self storage facility. Fifty percent of the open space is occupied by garage-like self storage units. The area is almost entirely paved with asphalt. Utilities located within and

immediately surrounding this open space include sanitary and storm sewers, underground electrical distribution lines, and potable and fire protection water lines.

A review of historical aerial photographs and EBS information indicates that Open Space IV contained an unidentified building in 1947. The footprint for the building is evident in the 1953 aerial photograph. Between 1947 and 1955, this area appeared to have been utilized for miscellaneous material storage. This open space was evidently developed to its current state in 1985.

Underground Storage Tanks

One potential underground storage tank (UST) was noted during the site inspection of Parcel 211, as indicated by a vent pipe originated at the suspect tank location shown on Figure 6-211-1. The tank capacity, material stored, installation date, and activity status are unknown.

Parcel Boundary Conditions

Parcel 211 is bordered to the north by Parcels 147 and Parcel 214, to the south by Parcel 149 and 150, and to the west by Parcel 153. Parcel 211 surrounds Parcel 148. Activities of concern at Parcel 148 include storage and use of solvents and other hazardous materials. Activities of concern at Parcel 149 include storage of solvents, PCBs, and other hazardous materials. Parcel 152 (IR Site 9, Building 410) is located within 500 feet of Parcel 211 and involved aircraft washdown activities and storage and use of solvents and other hazardous materials.

Parcel 211 is located within IR Site 13, the former Pacific Coast Oil Company Refinery, which operated from 1879 through 1903. This area is currently undergoing investigation. If the continuing investigations at the surrounding IR sites reveal a cause for concern at Parcel 211, then additional sampling on Parcel 211 may be appropriate.

RCRA Sites

This parcel contains no RCRA sites.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 211, consistent with the objectives described in Section 1 of the Shell Workplan. The available information suggests that this parcel may be reclassified from BRAC Category 7 to BRAC Category 6. Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-211-2 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, underground storage tanks, industrial hygiene concerns, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated sewer lines are also addressed separately. Sampling associated with USTs, and sewers is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

The one-time compliance program will determine whether further sampling or cleanup measures are required at this parcel before transfer or lease can occur.

As noted earlier, Parcel 211 has open space areas that are unpaved. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 211.

Once the data gaps in Table 6-211-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 211 may be leased or transferred, as appropriate.

TABLE 6-211-2

Summary of Data Gaps
NAS Alameda Parcel 211

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• IH issues are being addressed under a separate program (one-time compliance).
Installation Restoration (IR) Sites	• Parcel 211 is located within Installation Restoration (IR) Program Site 13 (the former oil refinery area), and also surrounds IR Site 10B (Building 530). In addition, IR sites border the parcel to the west (IR Site 9, Building 410) and to the south (IR Site 16). Additional subsurface investigation relative to IR Site 13 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR parcels identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-211-2

Summary of Data Gaps
NAS Alameda Parcel 211

Data Gap	Status/Description
Potential Zone-Wide Release Areas	• (Former Incinerator): This target area includes Parcels 134, 141, 142, 143, 146, 147, 152, 153, 164, 210, and 211 in Zone 22, and Parcels 139, 140, 150, 151, 154, and 201 in Zone 19, and encompasses the parcels located downwind of the former incinerator in former Building 68. Classes of compounds of concern possible within this target area include dioxins and furans.
Potential Parcel-Specific Release Areas	• (Open Space I): Soils at the defueling area may have been impacted by previous defueling operations. The target area contains approximately 5,000 square feet. Compounds of concern possible within this area are petroleum hydrocarbons.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• One UST is *potentially* located south of Building 606, as indicated by vent piping in this area.
Underground Utilities	• Industrial sewer, storm sewer, sanitary sewer, electrical, and water lines identified.
- Steam Lines	• Steam lines identified.
- Fuel Lines	• The site inspection revealed underground lines associated with fuel transfer operations at this parcel (see discussion under Open Space I); however available maps from NAS Alameda did not indicate the locations of these lines.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

This parcel contains one parcel-specific target areas and is also contained in a zone with zone-wide target areas. This subsection of the PEP discusses the specific parcel target area and provides an overview of the zone-wide target areas. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 22. The nature and location of the parcel-specific and zone-wide target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility. The following target areas were identified based on possible impacts from activities described above involving potentially hazardous substances.

- Target Area 1 (Open Space I): Soils at the defueling area may have been impacted by previous defueling operations. The target area contains approximately 5,000 square feet. Compounds of concern possible within this area are petroleum hydrocarbons. The likelihood of environmental impact having occurred at this target area is classified as suspect. Samples to be collected in this target area are listed in Table 6-211-1.

- Zone 22 Target Area 1 (Former Incinerator): This target area includes Parcels 134, 141, 142, 143, 146, 147, 152, 153, 164, 210, and 211 in Zone 22, and Parcels 139, 140, 150, 151, 154, and 201 in Zone 19, and encompasses the parcels located downwind of the former incinerator in former Building 68. Classes of compounds of concern possible within this target area include dioxins and furans. The likelihood of environmental impact within this target area is classified as potential. One sample proposed for the zone-wide target area is located on this parcel. The zone-wide target area is described in detail in the Zone Analysis Plan for Zone 22.

Screening-Level Investigation

Surface soil sampling (SOP 3) is the screening-level investigation technique that will be used to assess conditions in the target areas and to identify areas that may require further sampling in the follow-up detailed evaluation phase. Table 6-211-1 summarizes screening-level sampling and analysis for the parcel's target areas. Nine surface soil samples will be collected at the locations shown in Figure 6-211-1. The sample locations shown on Figure 6-211-1 are approximate and may be

modified in the field; samples should be located over the area with the most significant staining. If no staining is evident, then the samples should be distributed evenly over the target area. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize parcel areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above on a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), subsurface Geoprobe soil sampling (SOP 14), chip sampling (SOP 18), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-214

PARCEL 214 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed evaluation strategy for Parcel 214 at NAS Alameda (Figure 6-214-1). The parcel, which is located in the southeast portion of the base, is 3.6 acres in size and is roughly rectangular in shape. This parcel is part of an Installation Restoration (IR) program site and is currently undergoing investigation by the IR contractor. No additional sampling will be required as part of this PEP, although a high level of effort is needed for the parcel to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located on this parcel. No zone-wide or parcel-specific target areas have been identified at thia parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 214, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 214, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 132, 133, 134, 141, 142, 143, 144, 145, 146, 147, 148, 149, 152, 153, 164, 210, and 211. This parcel zone has been designated the Southeastern Refinery and Heavy Industrial Zone (Zone 22). The Southeastern Refinery and Heavy Industrial Zone encompasses the parcels that have been used as refinery or refinery support facilities, or industrial or industrial support facilities. During the sampling program development, the parcels

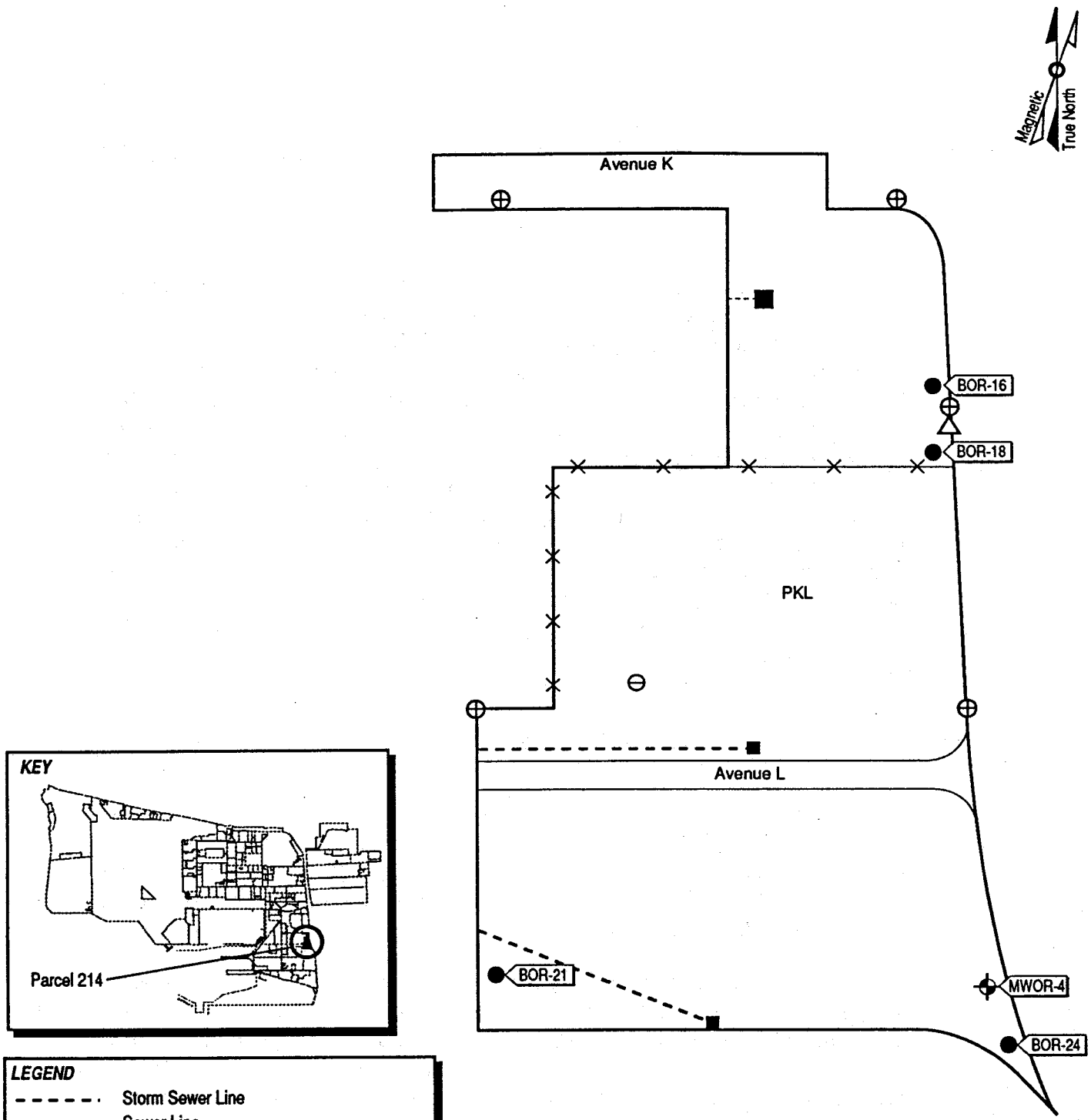


Figure 6-214-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 794
2121.90.10/GCF/07.11.94

located in this zone were evaluated together. Therefore, future data evaluation for this parcel should consider the data collected for the entire zone. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 22.

This parcel is located on the area formerly known as Old Alameda Point, and was part of the original peninsula of Alameda.

Currently, structures on this parcel include mobile trailers, a parking lot, a bicycle path, two concrete foundations, and storage lockers. There are currently no permanent buildings on the parcel. Based on aerial photographs, approximately 18 buildings formerly existed on Parcel 214. Underground sewer lines are present on this parcel and are shown on Figure 6-214-1.

Parcel 214 part of Installation Restoration (IR) Program Site 13. Previous investigations have been conducted at Parcel 214 and specific data regarding potential chemical occurrence are available. Parcel 214 is also located near IR Sites 4, 7C, 10B, and 17. Releases associated with IR Site 13 (The Former Pacific Coast Oil Refinery) have historically impacted Parcel 214. Soil and groundwater sampling results are compiled in a 1993 report prepared by PRC Environmental Management, Inc., under contract N62474-88-D-5086, entitled *Naval Air Station, Alameda: Data Summary Report RI/FS Phases 1 and 2A.* Ongoing (follow-up) sampling is being performed by the IR contractor.

As part of a former screening-level sampling effort summarized in the 1993 PRC report, a total of 281 soil samples have been collected at different depths from 22 soil borings and 5 monitoring wells throughout IR Site 13. This investigation was conducted by Canonie in 1990. Soil and groundwater samples were analyzed for metals, PCBs, VOCs, SVOCs, PAHs, pesticides, and TPH. Four of the soil borings (BOR-16, BOR-17, BOR-18, and BOR-20) and one of the monitoring wells (MWOR-4) are located on Parcel 214 as shown in Figure 6-214-1.

The 1993 PRC report indicated that all metals and organic compounds were found at concentrations below USEPA's January 1994 industrial and unrestricted use preliminary remediation goals for soil. No unrestricted use or industrial PRGs were found for Beta-BHC or Di-n-butylphthalate. The pesticide beta-BHC was detected only in BOR-18 at 2.4 µg/kg. The semivolatile compound Di-n-butylphthalate was detected in BOR-17, BOR-18, BOR-20, and MWOR-4; the concentration detected was greatest in BOR-18 at 2,000 µg/kg between 3.5 and 4 ft. Groundwater sampling results from MWOR-4 indicate that most metals detected in groundwater were below USEPA's December 1993 MCLs, while most organic compounds were above USEPA's December 1993 MCLs.

The IR contractor has proposed follow-up sampling for Parcel 214 including one boring, one CPT/HydroPunch, and five monitoring wells as shown in Figure 6-214-1.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Activities of potential environmental or industrial hygiene concern within parcel open space are described in detail below.

Open Space

Parcel 214 consists entirely of open space. The open space is currently used for vehicle parking, a bicycle path, and storage. Approximately 55 percent of the open space is paved with asphalt, 40 percent is landscaped, and five percent is covered with concrete associated with concrete foundations of two former buildings and a bicycle path. The pavement is generally in good condition. The landscaped areas of the open space are primarily covered with grass and contains scattered trees and shrubs. Utilities located within and immediately surrounding the open space include sanitary sewer, storm sewer and underground electrical lines, and overhead electrical lines.

Based upon the aerial aerial photograph review, 18 buildings were formerly located on the parcel in (March 1947). The EBS was not able to identify the activities conducted or the chemicals stored in these former buildings. Of these 18 buildings, 15 were small rectangular buildings located throughout the parcel in two rows, likely used for materials storage. These 15 buildings were demolished prior to August 1953. The area occupied by these former buildings is currently open space used for storage and parking lots.

These 18 buildings also included a large L-shaped building. This building was located in the southeast corner of the parcel. A parking lot, located to the west of this building, was stained with vehicle or aircraft tracks. Airplanes were parked to the west of this parking lot. The large L-shaped building was demolished prior to August 1953. The area occupied by this former building is currently open space used for storage.

Two of the 18 buildings formerly located on the parcel were medium sized rectangular buildings. These two buildings were located in the northeast corner of the parcel. They were demolished prior to

November 1981. The space occupied by these two former buildings is currently a landscaped area.

Structures currently on this parcel include mobile trailers, storage lockers, two parking lots, two concrete foundations, and a bicycle path. One of the mobile trailers is the NEX Self-Storage Office. It is located in the southern portion of the parcel along with the NEX storage lockers. The other mobile trailers are IR contractor trailers. They are located near the former South Gate Entrance on Avenue L. The two parking lots are located in the center of the parcel; the MWR (morale, welfare, and recreation) parking lot is located on the west side of the parcel and the NEX parking lot is located on the east side. The bicycle path runs diagonally across the landscaped area on the northeast corner of the parcel.

No chemicals are documented to have been stored or used at the parcel. No spills, other than related to normal vehicle activities, are documented to have occurred on Parcel 214. No incidents, such as fires, mishaps, flooding or crashes, are documented to have occurred within the open space.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 214 is bounded by Parcel 145 to the north, Parcels 147 and 210 to the west, Parcel 211 to the south, and Central Avenue to the east. Activities of concern on these adjacent parcels include IR Site 7B on Parcel 145, IR Site 10B on Parcel 211, and IR Site 13 which encompasses all adjacent parcels. The former Seaplane Lagoon, IR Site 17 is located to the west of Parcel 214.

If the continuing investigations at the IR sites reveal a cause for concern at Parcel 214, then additional sampling on Parcel 214 may be appropriate.

RCRA Sites

This parcel contains no RCRA sites.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 214, consistent with the objectives described in Section 1 of the Shell Workplan. The available information suggests that this parcel may be reclassified from BRAC Category 7 to BRAC Category 6. Although this parcel was reclassified based on its status as an IR site, several data gaps remain that prevent this parcel from being leased and/or transferred. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being leased or transferred if it is not resolved. The data gaps shown in Table 6-214-1 must be addressed before the parcel can be leased or transferred. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with sewer lines are also addressed separately. Sampling associated with sewers is discussed in the corresponding protocols presented in Section 3. A discussion regarding the coordination of the sampling program presented herein with other investigations is presented in the Coordination with Other Investigation and Assessment Programs at NAS Alameda subsection within Section 6.

No Industrial Hygiene (IH) sampling is required for Parcel 214 because no industrial buildings are present.

As noted earlier, Parcel 214 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (e.g., areas where vegetation was actively suppressed) and intensive-use areas (e.g., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling has been proposed for Parcel 214.

Once the data gaps in Table 6-214-1 are addressed, Parcel 214 may be leased or transferred, as appropriate.

TABLE 6-214-1

Summary of Data Gaps
NAS Alameda Parcel 214

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)[1]	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 214.
Installation Restoration (IR) Sites	• Adjacent parcels include IR Site 7B on Parcel 145, IR Site 10B on Parcel 211, and IR Site 13 which encompasses all adjacent parcels. The former Seaplane Lagoon, IR Site 17 is located to the west of Parcel 214. Additional subsurface investigation relative to IR Site 13 is proposed by the IR contractor.
Lead-Based Paint (LBP)[1]	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment[1]	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring, non-IR site parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

[1] Note: These data gaps are disclosure issues, only.

TABLE 6-214-1

Summary of Data Gaps
NAS Alameda Parcel 214

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, electrical, and water lines identified
- Steam Lines	• No steam lines identified.
- Fuel Lines	• No fuel lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to PCBs, underground lines, radiological concerns, and the IR site status must be resolved before this parcel can be leased or transferred.

SECTION 6-Z23

ZONE 23 ANALYSIS PLAN

This Zone Analysis Plan (ZAP) summarizes the proposed evaluation strategy for Zone 23 at NAS Alameda (Figure 6-Z23-1). Zone 23 has been designated the Southeastern Recreational Zone and encompasses the parcels that have historically been used for recreational activities. Zone 23 is comprised of Parcels 161, 162, 165, 166, 167, 168, 169, and 198. During the sampling program development, the parcels located in this zone were evaluated together. One zone-wide target investigation area (target area) and nine parcel-specific target areas have been identified in this zone. Sampling procedures called for in the screening-level investigation in these areas include surface soil and subsurface Geoprobe soil sampling. Table 6-Z23-1 provides the complete list of samples and analyses prescribed for this zone, and Figure 6-Z23-1 illustrates all sample locations for the entire zone, including parcel-specific sampling. Parcel 161 has tentatively been reclassified to BRAC Category 2.

This zone evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Zone 23, historical activities are discussed below.

Zone 23 Background and Historical Activities

This subsection briefly summarizes EBS information available for buildings, open spaces, and boundaries of Zone 23 consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, underground storage tanks, and other areas of concern. Detailed information regarding parcel-specific concerns and parcel histories is provided in the Parcel Evaluation Plans (PEPs) for the parcels contained in this zone.

Past and present use of this zone was determined from site inspections, employee interviews, and a review of permits, historical records, and

TABLE 6-Z23-1

Summary of Recommended Samples
NAS Alameda Zone 23

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
Z23-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Creosote, Railroad Tie Tar, Fuels, Oils, PCBs	SVOCs, TPH, PCBs, lead	EPA 8170, Modified EPA 8015, EPA 8080, ICAP SCAN
Z23-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Creosote, Railroad Tie Tar, Fuels, Oils, PCBs	SVOCs, TPH, PCBs, lead	EPA 8170, Modified EPA 8015, EPA 8080, ICAP SCAN
Z23-2-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Creosote, Railroad Tie Tar, Fuels, Oils, PCBs	SVOCs, TPH, PCBs, lead	Modified EPA 8015, CLP RAS

* This is the suggested location for the confirmation sample. The actual location will depend on field analytical results.

historical aerial photographs (the non-intrusive investigation[1]). This information was used to determine areas on the zone where sampling was deemed necessary to delineate potential impacts of compounds of concern.

Zone 23, the Southeastern Recreational Zone, encompasses nine parcels that have been used for recreational activity since the 1970s. Prior to the 1970s, this zone was used for aircraft parking and aircraft services including aircraft fueling and defueling, aircraft maintenance, and aircraft wash down; however, no large scale-staining was noted in aerial photographs. During the sampling program development, the parcels located in this zone were evaluated together to better address zone-wide issues common to all parcels within the zone. This plan details potential zone-wide concerns and summarizes parcel-specific concerns. As noted above, a detailed discussion of specific parcel concerns is provided in the PEPs for individual parcels.

Filling began in the area covered by this zone in approximately 1942. Prior to this time, the zone area was completely inundated by San Francisco Bay. The zone was completely filled as of 1946; the ground level and grading have not changed significantly since that time.

Currently, four buildings and ten structures cover approximately five percent of the zone. The remaining 95 percent is open space. The zone area is presently in use as recreational area for vehicle and RV parking, dock area, picnic area, and maintenance area for the Marina. This zone also contains an auto-hobby shop, a material storage area, a restaurant area, and a fueling station. One building was formerly located on the parcel and has since been demolished.

Zone 23 does not contain any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Zone 23, and specific data regarding chemical occurrence at this zone are not available. However, IR Site 16 (Cans C-2 Area) borders Zone 23 to the north, and IR Site 13 (Former Oil Refinery) is located within 500 feet of Zone 23 to the northeast.

Sewer lines present in this zone are illustrated in the individual PEP figures. Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns and asbestos-containing materials on Zone 23 will be addressed in other sampling programs and are not considered in this ZAP.

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1 The data gathered during the non-intrusive investigation are provided in the *Draft Basewide Environmental Baseline Survey/Community Environmental Response Facilitation Act Report for NAS Alameda* (ERM-West, Inc., 1994) Appendix B.

Underground Storage Tanks

One abandoned tank (Tank 608) is present at this zone. It is located on Parcel 168. Limited investigation of this tank has been completed as described in the October 1988 ERM-West, Inc. report entitled *Abandoned Underground Storage Tank Investigation*. Results of the investigation for Tank 608 detected ethylbenzene, toluene, and xylenes in the subsurface soil below August 1994 USEPA PRGs. The available information did not identify why the tank was abandoned. This tank is scheduled to be removed.

RCRA Sites

This zone includes two RCRA sites, SWMU/GAP 17 on Parcel 168 and GAP Site 24 on Parcel 165. These sites were evaluated consistent with the criteria applied to other potential target areas at the zone. Under these criteria, both RCRA sites require further investigation. A brief description of each RCRA site is provided in the corresponding PEP. The sampling proposed for each site is also described in the corresponding PEP.

Zone Boundary Conditions

Zone 23 is bounded by Zone 18 to the west, Zones 19 and 22 to the north, Twelfth Street and private property to the east, and San Francisco Bay to the south. Activities of concern on these adjacent zone include a former incinerator on Zone 19 and several IR sites throughout Zone 22 including IR Site 4 (Building 360), IR Site 7C (Service Stations), IR Site 9 (Building 410), IR Site 10B (Missile Rework Operations), IR Site 11 (Building 14), IR Site 13 (Former Oil Refinery), IR Site 16 (Cans C-2 Area), and IR Site 19 (Yard D-13). If any of the continuing investigations at these IR sites reveal a cause for concern at Zone 23, then sampling on this zone may be appropriate.

Zone 23 Target Areas and Compounds of Concern

This zone contains one zone-wide target area and nine parcel-specific target areas. This subsection of the ZAP discusses the specific zone-wide target area and provides an overview of the parcel-specific target areas. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this zone. Detailed information regarding the parcel-specific target areas and the proposed sampling is provided in the PEPs for individual parcels. The nature and locations of the

zone-wide and parcel-specific target areas were evaluated to determine field investigation and sampling strategies. Final sample locations will be determined in the field based on visual observation and accessibility.

- Zone 23 Target Area 1 (Railroad Tracks): This target area includes all current railroad track areas within or adjacent to the Southeastern Recreational Zone. Railroad track are located in the northwestern corner of Parcels 161 and 165, the northern portion of Parcel 162, and throughout Parcel 198. These areas may have been impacted by historical releases of TPH, PCBs, SVOCs, and lead from railroad cars, engines, and ties. This target area is classified as having potential likelihood of impacts. Surface soil samples will be collected approximately every 800 linear feet along the three track areas, resulting in two zone-wide sampling locations. Samples should be taken from a variety of locations along the railroad tracks including switches, in front of buildings, and along long stretches of track. Soil samples will be collected from the center of the tracks below any coarse subgrade material present. Samples to be collected in this target area are listed in Table 6-Z23-1. Approximate sampling locations are shown on Figure 6-Z23-1.

  It should be noted that railroad track sampling will first be performed in the Housing Zone (Zone 16). If investigations there indicate that the potential releases of compounds of concern are negligible then the railroad track zone target area may be eliminated in this zone and other zones. Alternatively, if the investigations in Zone 16 indicate that only certain compounds of concern are actually associated with the railroad tracks, then sampling may be modified to analyze for the more limited suite of the compounds of concern only.

Parcels 161, 166, and 167 Target Areas

No parcel-specific target areas were identified on these parcels.

Parcel 162 Target Areas

- Target Area 1 (Open Space): This target area is the stained area by the hazardous materials locker, which is less than 100 square feet in size. Surface and subsurface soils may be impacted by solvents or petroleum compounds that were released during past spills within this target area. One subsurface Geoprobe soil sample and one surface soil sample will be collected from the parcel-specific target area. Samples to be collected in this target area are listed on Table 6-162-1.

Parcel 165 Target Areas

Three parcel-specific target areas were identified for Parcel 165 as indicated below. Eight subsurface Geoprobe soil samples and eight surface soil samples will be collected from the location shown on Figure 6-165-1.

- Target Area 1 (Facility 438): This target area is the fueling facility, which is approximately 1,000 square feet in size. Surface soils are suspect of being impacted by petroleum compounds released during fueling operations. No staining was noted; however, a strong diesel odor was observed during a visual inspection. Samples to be collected in this target area are listed on Table 6-165-1.

- Target Area 2 (Former Building 386 - GAP Site 24): This target area is the former location of Building 386, which is approximately 100 square feet in size. Surface and subsurface soils have the potential to have been impacted by compounds that may have been stored at GAP Site 24 in this building. Samples to be collected in this target area are listed on Table 6-165-1.

- Target Area 3 (Southwest Corner of Parcel): This is the stained open space area noted in aerial photographs, which is approximately 10,000 square feet in area. Surface soils have the potential to have been impacted by petroleum compounds spilled during maintenance and aircraft fueling or defueling operations formerly occurring at this parcel. Samples to be collected in this target area are listed on Table 6-165-1.

Parcel 168 Target Areas

Two parcel-specific target areas were identified for Parcel 168 as indicated below. Five subsurface Geoprobe soil samples and five surface soil samples will be collected from the locations shown on Figure 6-168-1.

- Target Area 1 (Building 608): This target area consists of the entire building area and adjacent oil/water separators, which is approximately 10,000 square feet in area. The soil beneath Building 608 may have been impacted by releases of hydrocarbons and solvents from the auto hobby shop operations, primarily the vehicle bay areas on the eastern and western sides of the building, or from the oil/water separators. This target area has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-168-1.

- Target Area 2 (Aboveground Storage Tank): This target area consists of the area surrounding the 1,000-gallon aboveground storage tank (AST) located in the open space south of Building 608, which is less than 1,000 square feet in size. The surface and subsurface soil surrounding the AST may have been impacted by releases of waste oils and solvents. This target area has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-168-1.

- Target Area 3 (GAP Site 17): This target area consists of the area surrounding GAP Site 17, which is 2,000 square feet in area. The soil beneath GAP Site 17 may have been impacted by releases of waste oils, antifreeze, and solvents. This target area has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-168-1.

Parcel 169 Target Areas

- Target Area 1 (Open Space): This target area consists of the grassy area that is covered with paint. The target area is 10,000 square feet in size. This target area also includes the empty drum and chemical storage area located at the northwestern portion of the parcel. Surface and surface soils have potentially been impacted by VOCs, SVOCs, TPH, and pesticides. This target area has been classified as having a potential likelihood of impacts. Four subsurface Geoprobe soil samples and four surface soil samples will be collected from the locations shown on Figure 6-169-1 and listed in Table 6-169-1.

Parcel 198 Target Areas

- Target Area 1 (Building 385): This target area consists of the east half of Building 385, which is approximately 3,000 square feet in area. Surface soils may have been impacted by previous solvent handling operations and storage of petroleum products. Two subsurface Geoprobe soil samples and two surface soil samples will be collected from the locations shown on Figure 6-198-1 and listed on Table 6-198-1.

Screening-Level Investigation

Two screening-level techniques will be employed to assess conditions in the zone and parcel-specific target areas and to identify areas that may require further sampling in the follow-up detailed evaluation

phase. These two techniques are surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14). Table 6-Z23-1 summarizes screening-level sampling and analysis for the zone-wide target area. Two surface soil samples will be collected from the zone-wide locations shown on Figure 6-Z23-1. Twenty surface soil samples and 20 subsurface Geoprobe soil will be collected from the parcel-specific locations shown on Figure 6-Z23-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling, if required, is intended to more fully characterize the zone areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above at a higher sampling density as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-161

PARCEL 161 EVALUATION PLAN

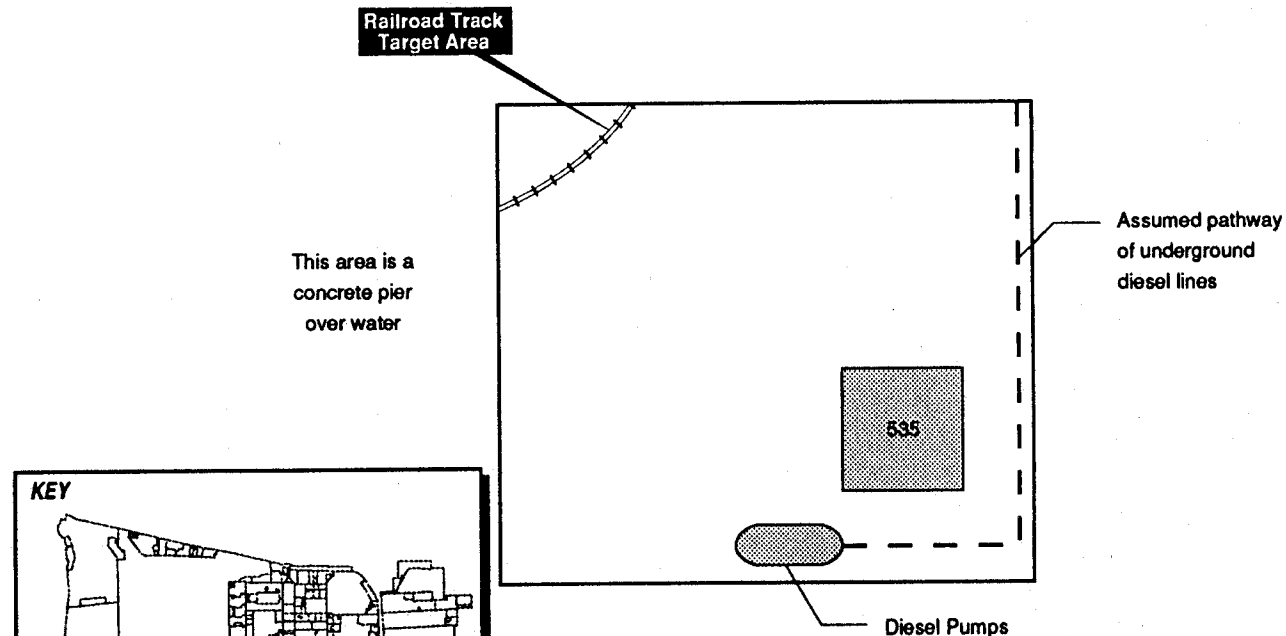
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 161 at NAS Alameda (Figure 6-161-1). The parcel, which is located in the southeast portion of the base, is approximately 7,000 square feet in size and is roughly square in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One zone-wide target investigation area (target area) has been identified on Parcel 161; however, no zone-wide samples have been proposed for this parcel. No parcel-specific target areas have been identified on Parcel 161. The railroad tracks in the zone-wide target area are not expected to have impacted the parcel, as the parcel is a pier located entirely over water. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 161, historical activities are discussed below.

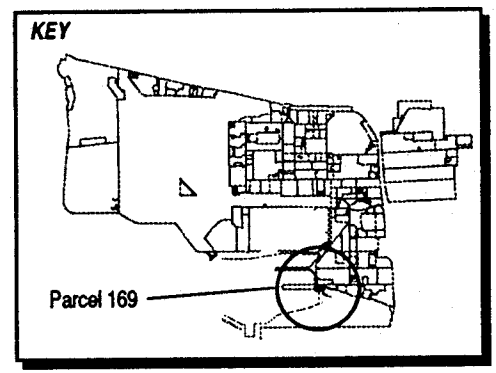
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 161, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 162, 165, 166, 167, 168, 169, and 198. This parcel zone has been designated the Southeastern Recreational Zone (Zone 23). The Southeastern Recreational Zone encompasses the parcels that have historically been used for recreational activities. The parcels in this zone were considered as a whole during the evaluation. While no sampling has been proposed at this parcel, sampling results from adjacent parcels





LEGEND

— — — Fuel Line In Use

Note: *No screening-level sampling recommended for this parcel.*

1"= 30'

Magnetic
True North

Figure 6-161-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.12/GCF/06.16.94

within the zone should be considered during future evaluations. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 23.

Prior to 1942, the parcel area was completely inundated under San Francisco Bay. The parcel came into existence during the construction of Pier 3, which occurred between 1942 and 1946. This parcel is composed entirely of a concrete pier area which is underlain by the San Francisco Bay. Currently, one building covers approximately five percent of the parcel. The remaining 95 percent open space. The parcel area is presently in use as a dock area.

Parcel 161 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 161, and specific data regarding chemical occurrence at this parcel are not available.

Subpier fuel lines are present on this parcel and are shown on Figure 6-161-1. Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials will be addressed in other sampling programs and are not considered in this PEP. Activities of potential environmental or industrial hygiene concern within parcel open space and buildings are described in detail below.

Building 535

Building 535 is a small corrugated metal shed with a wood floor. The building occupies 54 square feet. It was constructed in 1976 as a degaussing station. Currently, this building is utilized by the National Oceanic and Atmospheric Administration to measure low and high tides and water temperature. Small quantities of cleaning chemicals and liquid nitrogen were present inside. There are no chemical storage issues with this facility.

Open Space

The parcel is almost entirely open space, and is composed entirely of concrete. It is part of Pier 3 and is underlain by the San Francisco Bay. The open space is presently in use as a dock area and vehicle parking area. Railroad tracks run east to west through the northern portion of the parcel. Utilities located within and immediately surrounding the parcel include subpier fuel and steam lines.

A diesel pump area was noted at the southern portion of the parcel. Minor staining was noted on the concrete containment berm that is built around the diesel pumps. During a visual inspection, it did not appear that this pump area was in use. No other incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within Parcel 161.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection revealed any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 198 is located to the north and northeast of Parcel 161. The remainder of Pier 3 is located to the west of Parcel 161. The remainder of the parcel is surrounded by the San Francisco Bay. There are no IR sites immediately adjacent to Parcel 161. Activities of concern on the adjacent areas are similar to those concerns on Parcel 161.

Parcel Reclassification and Data Gaps Summary

The data collected for this parcel indicate that there are no remaining data gaps that are likely to impact the BRAC Classification for this parcel.[1] The available information suggests that this parcel may tentatively be reclassified from BRAC Category 7 to BRAC Category 2.

The only data gaps remaining pertain to a disclosure issue (asbestos) and radiological issues (as indicated in Table 6-161-1). Based on its classification, if RASO concurrence is obtained, the parcel is considered suitable for lease or transfer. This parcel is located entirely over water. Therefore, the presence of fuel and steam lines underneath the pier is also not of concern (releases from these lines would result in an impact to San Francisco Bay, not to the parcel itself).

As indicated in Section 6, separate investigations are currently underway to address the remaining issues at this parcel: asbestos and radiological concerns.

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[1] This reclassification assumes that the RASO review does not identify any releases that have impacted this parcel.

TABLE 6-161-1

Summary of Data Gaps
NAS Alameda Parcel 161

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 161.
Installation Restoration (IR) Sites	• No IR site is located on or within 500 feet of Parcel 161.
Lead-Based Paint (LBP)	• No evidence of LBP issues identified.
PCB-Containing Equipment	• No evidence of PCB-Containing Equipment identified.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks (The tracks are not expected to have impacted the parcel, as the parcel is a pier located entirely over water)
Potential Parcel-Specific Release Areas	• No potential parcel-specific release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• No evidence of underground utilities identified.
- Fuel Lines	• Aboveground (under pier) fuel lines identified.

TABLE 6-161-1

Summary of Data Gaps
NAS Alameda Parcel 161

Data Gap	Status/Description
- Steam Lines	• Aboveground (under pier) steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

SECTION 6-162

PARCEL 162 EVALUATION PLAN

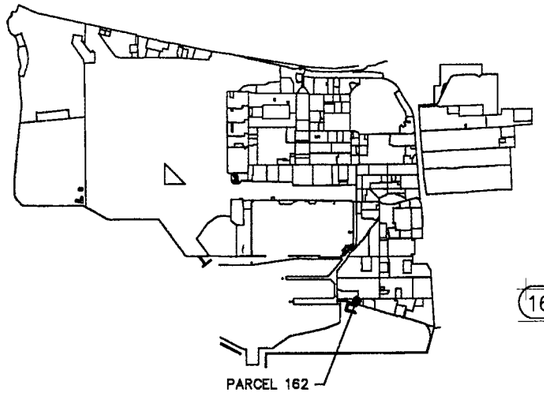
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 162 at NAS Alameda (Figure 6-162-1). The parcel, which is located in the southeast portion of the base, is approximately two acres in size and is roughly square in shape. The parcel has been classified as requiring a low level sampling effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One parcel-specific and one zone-wide target investigation area (target area) have been identified on this parcel. No zone-wide samples have been proposed for this parcel. Sampling procedures called for in the screening-level investigation in these areas include surface soil sampling and subsurface Geoprobe soil sampling. Table 6-162-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 162, historical activities are summarized below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 162, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 161, 165, 166, 167, 168, 169, and 198. This parcel zone has been designated the Southeastern Recreational Zone (Zone 23). The Southeastern Recreational Zone encompasses the parcels that have historically been used for recreational activities. The parcels in this zone were



KEY PLAN

AVENUE N

16–12

16–11

SW

12"C

SS

OUTFALL "M"

1

1–N

2" PVC

4" PVC

342A

592

OUTFALL "N"

DOCK 5

VAC PUMP
L.S.18

GENERAL LEGEND

- PARCEL OUTLINE
- ⊙1 SOIL VAPOR SURVEY LOCATION
- O 1 SURFACE SOIL SAMPLE LOCATION
- TARGET AREA AND NUMBER

SANITARY SEWER LEGEND

- 18–72 SANITARY SEWER MANHOLE (MH No.)
- —SW— SANITARY SEWER LINE
- L.S.18 LIFT STATION & No. (VACUUM PUMP)
- LIFT STATION (Building 592)

MATERIALS:

PVC – PLASTIC

NOTES:

1. ALL SANITARY SEWERS ARE VITRIFIED CLAY PIPE UNLESS NOTED OTHERWISE.

FUEL LINE LEGEND

- FUEL LINE ACTIVE
- FUEL LINE PROBABLY IN USE

STORM DRAIN LEGEND

- 1–N MANHOLE & No.
- —SS— STORM SEWER LINE

SCALE IN FEET

60 0 60 120 180

1" = 60'

NORTH
MAGNETIC
TRUE

NAVAL AIR STATION, ALAMEDA

FIGURE 6–162–1
PARCEL 162
PROPOSED SAMPLE LOCATION MAP

ERM CAD IDENT. NO. 19590162.DWG	COMPILED BY ERM FROM NAVY AIR STATION DRAWINGS: PWC 17,629 (STORM DRAINS) PWC 108,728 (SANITARY SEWER) PWC 23,997 (INDUSTRIAL WASTES) HISTORIC DWGS IN EBS DATABASE (FUEL LINES)	
SCALE AS NOTED	DATE: 5.10.95/2121.97.10	SHEET 1 OF 1

TABLE 6-162-1

Summary of Recommended Samples
NAS Alameda Parcel 162

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
162-1-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	TPH, Solvents, Paints	TPH, VOCs	Modified EPA 8015, CLP RAS
162-1-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 1	TPH, Solvents, Paints	TPH, VOCs	Modified EPA 8015, CLP RAS
162-1-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Petroleum Products	TPH	Modified EPA 8015
162-1-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 1	Petroleum Products	TPH	Modified EPA 8015

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

considered as a whole during the evaluation. Sampling results from adjacent parcels within the zone should also be considered during future evaluations of this parcel. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 23.

Prior to 1942, the parcel area was completely inundated under San Francisco Bay. The parcel was completely filled between 1942 and 1946; the ground level and grading have not changed significantly since that time. Dredged material from the channel and turning basin was used as fill for the land area of this parcel. This fill material may have been impacted by hazardous compounds.

Review of historical aerial photographs indicate that this area was utilized for aircraft parking from 1947 through about 1953. The dock was constructed in 1953. After this time period, the parcel was apparently used for material storage and as a pipe laydown yard. The parcel was developed to its current state between 1970 and 1975. Historical processes at this parcel likely consisted of aircraft fueling and defueling, aircraft maintenance, and aircraft wash down. This parcel was also utilized for material storage activities. No large scale-staining potentially associated with these activities was noted in aerial photographs.

Currently, one structure covers less than one percent of the parcel. The remaining 99 percent is open space. The parcel area is presently in use as a recreational picnic area. Dock 5, which is attached to this parcel, is a marina with boat slips. Underground fuel and sewer lines are present on this parcel and are shown in Figure 6-162-1.

Parcel 162 is not located within 500 feet of an Installation Restoration (IR) Program site. No previous investigations have been conducted at Parcel 162, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Structure 592

Structure 592 is a sewage lift station located at the southeast corner of the parcel. The lift station is on a clean concrete pad that covers approximately 100 square feet. Switches and controls are mounted on wood backing panel. Access ports and a vent pipe are present. Utilities

located within and immediately surrounding Structure 592 include underground storm sewer and electrical lines. No chemical storage has been documented for this facility.

Open Space

The open space covers approximately most of the parcel and is used for recreational activities. Railroad tracks run east to west through the northern portion of the parcel. This open space is covered by asphalt (five percent), grass (75 percent), and a floating wood dock (20 percent). The dock is in good condition. The grassy area is located in the north-central portion of the parcel. This parcel currently has open space areas that are landscaped (as shown on Figure 6-162-1). These areas have been landscaped since the 1970s. Aerial photograph review indicated that prior to this time, the parcel open space was used for vehicle parking.

Utilities located within and immediately surrounding the parcel include electrical, fuel, sanitary sewer, and storm sewer lines. In addition, a storm sewer outfall is located in the southern portion of the parcel. The abandoned underground fuel lines on Parcel 162 connect the aboveground storage tanks on Parcel 163 to the docks on Parcel 155. Chemicals are stored in a hazardous materials locker located over asphalt on the western border of the open space. This locker is utilized to store marina supplies. Less than 75 gallons of petroleum products, non-halogenated solvents, and paints were noted within this locker. A five foot by five foot stain was noted over the asphalt in front of this locker. This stain is addressed by Target Area 1 of this PEP. No other incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within Parcel 162.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 162 is bordered to the north by Parcels 159 and 160, to the east by Parcel 163, which contains a RCRA site, to the south by the San Francisco Bay, and to the west by Parcel 198. Although oil booms have been encountered along the south shoreline, it does not appear likely

that these have impacted Parcel 162. Issues concerning the RCRA site on Parcel 163 are addressed in the corresponding PEP.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 162, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-162-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: radiological concerns and contaminant migration from Installation Restoration sites. Sampling and imaging associated with underground fuel lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in corresponding protocols presented in Section 3. No Industrial Hygiene (IH) sampling is required for Parcel 162 because no buildings are present.

As noted earlier, Parcel 162 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling is required at this parcel.

Once the data gaps in Table 6-162-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 162 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target areas. The nature and locations of these areas were evaluated to determine field investigation and sampling strategies. This parcel contains one parcel-specific target area and is also contained in a zone-wide target area. The discussion of the zone-wide target areas focuses on the zone-wide

TABLE 6-162-2

Summary of Data Gaps
NAS Alameda Parcel 162

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• No evidence of ACM issues identified.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No buildings exist at Parcel 162.
Installation Restoration (IR) Sites	• IR Site 13 is located northeast of Parcel 162. There are possible impacts from wastes reportedly disposed of from the former Pacific Coast Oil Company refinery.
Lead-Based Paint (LBP)	• No evidence of LBP issues identified.
PCB-Containing Equipment	• No potentially PCB-containing electrical equipment identified.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks.
Potential Parcel-Specific Release Areas	• Target Area 1 (Open Space by Hazardous Materials Locker).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, and electrical lines identified.
- Fuel Lines	• Underground fuel lines identified.

TABLE 6-162-2

Summary of Data Gaps
NAS Alameda Parcel 162

Data Gap	Status/Description
- Steam Lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 23. The following target areas were identified based on possible impacts from activities described above involving potentially hazardous substances.

- Target Area 1 (Open Space): This target area is the stained area by the hazardous materials locker, which is less than 100 square feet in size. Surface and subsurface soils may be impacted by solvents or petroleum compounds that were released during past spills within this target area. One surface soil sample and one subsurface soil sample will be collected from this target area. Samples to be collected in this target area are listed on Table 6-162-1.

- Zone 23 Target Area 1 (Railroad Tracks): Zone 23 Target Area 1 includes all current or former railroad tracks within the Southeastern Recreational Zone. The railroad runs through the northern portion of Parcel 162. This parcel does not contain any samples from this zone.

Screening-Level Investigation

Two screening-level techniques will be employed to assess conditions in target areas and to identify areas that require further sampling in the follow-up detailed evaluation phase. These two techniques are surface soil sampling (SOP 3) and subsurface Geoprobe sampling (SOP 14). Table 6-162-1 summarizes screening-level sampling and analysis for the parcel's target areas. One soil vapor and one surface soil sample will be collected from the parcel-specific target area. The sample locations are shown on Figure 6-162-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4. The samples should be located in the area with the most significant staining.

Detailed Evaluation Phase

The detailed evaluation phase of sampling is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization may utilize some of the screening technologies discussed above on a higher density level as well as the following technologies not previously discussed: soil vapor sampling (SOP 6),

HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-165

PARCEL 165 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 165 at NAS Alameda (Figure 6-165-1). The parcel, which is located in the southeastern portion of the base is 5.8 acres in size and is roughly rectangular in shape. It has been classified as requiring a moderate sampling effort to meet the objectives of the project outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA site. Three parcel-specific and one zone-wide target investigation areas (target areas) have been identified on this parcel. Sampling procedures called for in the screening-level investigation consist of subsurface Geoprobe soil sampling and surface soil sampling. Table 6-165-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 165, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 165, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 161, 162, 166, 167, 168, 169, and 198. This parcel zone has been designated the Southeastern Recreational Zone (Zone 23). The Southeastern Recreational Zone encompasses the parcels that have historically been used for recreational activities. The parcels in this zone were considered as a whole during the evaluation. Sampling results from

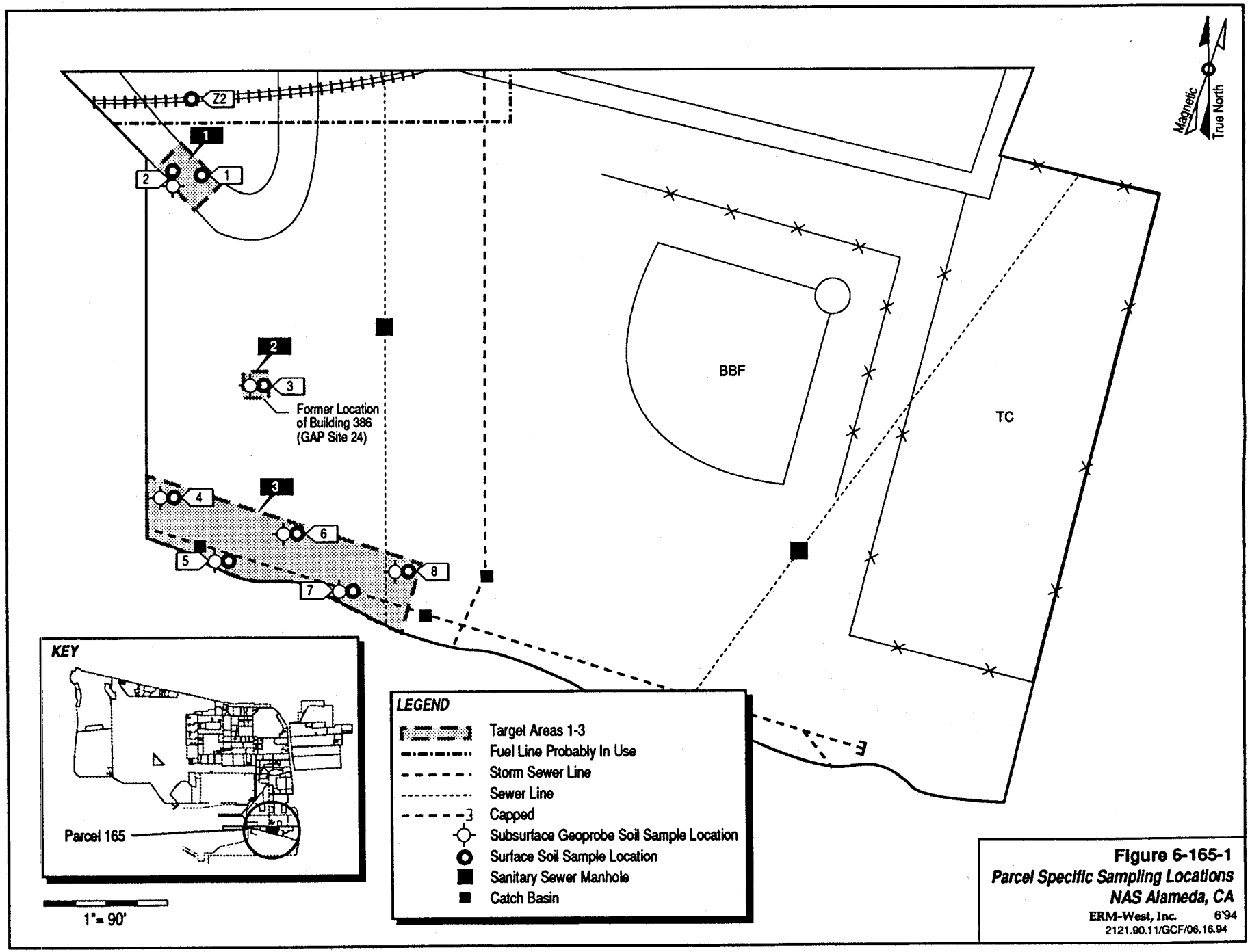


Figure 6-165-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/GCF/06.16.94

TABLE 6-165-1

Summary of Recommended Samples
NAS Alameda Parcel 165

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
165-1-0-S-V-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Fuel, Diesel	TPH	Modified EPA 8015
165-2-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, CLP RAS
165-2-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 1	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, CLP RAS
165-2-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Fuel, Diesel	TPH	Modified EPA 8015
165-2-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 1	Fuel, Diesel	TPH	Modified EPA 8015
165-3-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, CLP RAS
165-3-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 2	TPH, SVOCs, VOCs, Metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, CLP RAS
165-3-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	Fuel, Metals, PCBs, SVOCs	TPH, Metals, Pesticides, SVOCs	CLP RAS, Modified EPA 8015
165-3-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 2	Fuel, Metals, PCBs, SVOCs	TPH, Metals, Pesticides, SVOCs	CLP RAS, Modified EPA 8015
165-4-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	TPH, VOCs	TPH, VOCs	Modified EPA 8015, EPA 8240
165-4-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 3	TPH, VOCs	TPH, VOCs	Modified EPA 8015, CLP RAS
165-4-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	TPH	TPH	Modified EPA 8015
165-4-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 3	TPH	TPH	Modified EPA 8015
165-5-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	TPH, VOCs	TPH, VOCs	Modified EPA 8015, EPA 8240
165-5-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	TPH	TPH	Modified EPA 8015

TABLE 6-165-1

Summary of Recommended Samples
NAS Alameda Parcel 165

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
165-6-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	TPH, VOCs	TPH, VOCs	Modified EPA 8015, EPA 8240
165-6-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	TPH	TPH	Modified EPA 8015
165-7-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	TPH, VOCs	TPH, VOCs	Modified EPA 8015, EPA 8240
165-7-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	TPH	TPH	Modified EPA 8015
165-8-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	TPH, VOCs	TPH, VOCs	Modified EPA 8015, EPA 8240
165-8-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	TPH	TPH	Modified EPA 8015
Z23-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Zone 23 Target Area 1	Creosote, Railroad Tie Tar, Fuels, Oils, PCBs	SVOCs, TPH, PCBs, lead	EPA 8170, Modified EPA 8015, EPA 8080, ICAP SCAN
Z23-2-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Zone 23 Target Area 1	Creosote, Railroad Tie Tar, Fuels, Oils, PCBs	SVOCs, TPH, PCBs, lead	Modified EPA 8015, CLP RAS

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

adjacent parcels within the zone should be considered during future evaluations of this parcel. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 23.

Prior to 1942, the parcel area was 100 percent inundated under San Francisco Bay. The parcel was completely filled between 1942 and 1946; the ground level and grading have not changed significantly since that time. Dredged material from the channel and turning basin was used as fill for the land area of this parcel. This fill material may have been impacted by hazardous compounds.

Review of historical aerial photographs indicate that this area was utilized for aircraft parking from 1947 through 1970. The parcel was developed to its current state between 1970 and 1975. Historical processes at this parcel are likely to have consisted of aircraft fueling and defueling, aircraft maintenance, and aircraft wash down.

Currently, there is one structure located on the parcel (Figure 6-165-1), which covers less than five percent of the parcel. The remainder (over 95 percent) is open space. The parcel area is presently in use as a recreation area, a material storage area, and a fueling station. Fuel and sewer lines are located on this parcel and are shown in Figure 6-165-1. Sampling associated with fuel and sewer lines is discussed in corresponding protocols presented in Section 3.

Parcel 165 is located within 500 feet to the southwest of an Installation Restoration (IR) Program site (IR Site 16). However, no previous investigations have been conducted at Parcel 165, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Facility 438

Facility 438 was constructed in 1958 and has served as a tank truck or car unloading facility and a fueling station (Figure 6-165-1) since that time. The facility is a concrete slab covering approximately 1,000 square feet. Utilities located within and immediately surrounding Facility 438 include sanitary sewer, storm sewer, and electrical lines. Underground diesel lines connect the fueling station with tanks 342A and 342B, which are located on Parcel 163. A small aboveground storage tank (AST) was noted at Facility 438. No staining was noted on the

concrete around the AST; however, a strong diesel odor was observed during the inspection. Current and former use of Facility 438 as a fueling station will be addressed by Target Area 1 of this PEP.

Open Space

Most of the open space consists of grassy fields and recreational structures (i.e., basketball court, tennis court, and baseball diamond). The northern parcel border contains a roadway and is utilized for material storage. The northwestern corner contains Facility 438. Railroad tracks run east-west through the northern portion of the parcel. This parcel currently has open space areas that are landscaped (as shown on Figure 6-165-1). These areas have been landscaped since the 1970s.

Review of historical records, site inspections, permits, interviews, and historic aerial photographs indicate that aircraft parking occurred in Parcel 165 from 1947 through approximately 1975. No large-scale staining was noted in aerial photographs. Former Building 386, which covers 120 square feet, is listed as having been constructed in 1953, and was a aircraft line operations building. This building was not noted during site inspections, and it was unclear if or when this building was demolished. Due to the small size of the building, it was not possible from aerial photograph review to identify when the building was removed. This building is listed as containing GAP Site 24. This indicates that this area had been used to store hazardous materials and/or wastes. It is not known how long this building was present on the parcel, or what hazardous materials or wastes, if any, were stored here.

No spills are documented for this parcel. Review of aerial photographs and site inspection data indicate that undocumented spills may have occurred. In the 1963 and 1966 aerial photographs, the western half of the southern parcel border was noted to be heavily stained. The ground cover appeared to be bare soil. The stained areas correspond to aircraft parking locations, and are likely the result of spilled fuel or lubricating fluids. Staining associated with aerial photographs will be addressed by Target Area 3 of this PEP.

In addition, a structure of uncertain function was noted in this area at the extreme southwest corner of the parcel. Heavy staining was noted on bare soil in the immediate vicinity of this structure, and it was present in aerial photographs from 1953 through 1970. No other incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within Parcel 165.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 166 and 167, which are recreational areas, border the eastern side of the parcel. Parcels 150 and 159 border the parcel to the north. Parcel 150 contains cyclohexylamine, creosote, paint and copper contamination which is discussed in the PEP for Parcel 150. Parcel 163, which borders this parcel to the west, contains large aboveground diesel tanks and a RCRA unit. Issues pertaining to Parcel 163 are discussed in the PEP for Parcel 163 (Parcel 163 is located in Zone 19). Although oil booms have been encountered along the south shoreline, it does not appear likely that these have impacted Parcel 165.

This parcel has potentially been impacted by waste disposal from the Pacific Coast Oil Company refinery (IR Site 13). Reportedly, some of the wastes generated by the refinery were disposed of in nearby former marshlands. Based on review of information contained in the *Data Summary Report RI/FS Phases 1 and 2A* prepared by PRC Environmental Management, Inc. and Montgomery Watson in August 1993 and discussions with the Navy IR contractors, it appears that soils underlying the subject property may be impacted by TPH and SVOCs. Migration of contaminants from the nearby IR sites (i.e., IR Sites 13 and 17) and/or RCRA units may also have impacted this parcel. If any of the continuing investigations at the nearby IR sites reveal a cause for concern at Parcel 165, then sampling on this parcel may be appropriate.

RCRA Sites

This subsection identifies RCRA Site and requirements associated with this site on the parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel reportedly includes one RCRA site (GAP Site 24). GAP Site 24 was reportedly located in Building 386 in the western portion of the parcel; however, this building was not identified during visual inspection, and a review of aerial photographs could not determine if or when the building was demolished. It is unknown whether any chemicals were released from this site. This site was evaluated consistent with the criteria applied to other potential

target areas at the parcel. Under these criteria, of this RCRA site requires further investigation because of the presence of bare soil in this area. The sampling proposed for the site is described in Target Area 2 in the Target Areas and Compounds of Concern subsection of this PEP.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 165, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-165-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, radiological concerns, and Installation Restoration Sites. Sampling and imaging associated with underground fuel lines and sewer lines are also addressed separately. Sampling associated with fuel lines and sewer lines is discussed in the corresponding protocols presented in Section 3. No Industrial Hygiene (IH) sampling is required for Parcel 165 because no industrial buildings are present.

As noted earlier, Parcel 165 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore no pesticide sampling is required at this parcel.

Once the data gaps in Table 6-165-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 165 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target areas. The nature and locations of these areas were evaluated to determine field

TABLE 6-165-2

Summary of Data Gaps
NAS Alameda Parcel 165

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• No ACM issues identified.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No buildings exist at Parcel 165.
Installation Restoration (IR) Sites	• IR Site 16 is located within 500 feet northeast of Parcel 165. • IR Site 13 is located over 500 feet northeast of Parcel 165. There are possible impacts from wastes reportedly disposed of from the former Pacific Coast Oil Company refinery.
Lead-Based Paint (LBP)	• No LBP identified.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks.
Potential Parcel-Specific Release Areas	• Target Area 1 (Facility 438). • Target Area 2 (Former Building 386 - GAP Site 24). • Target Area 3 (Southwest Corner of Parcel).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-165-2

Summary of Data Gaps
NAS Alameda Parcel 165

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, and electrical lines identified.
- Fuel Lines	• Underground fuel lines identified.
- Steam Lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

investigation and sampling strategies. This parcel contains three parcel-specific target areas and is also contained in a zone-wide target area. The discussion of the zone-wide target area focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 23. The following parcel-specific target areas were identified based on the potential release area described above and listed in Table 6-165-2.

- Target Area 1 (Facility 438): Facility 438 has been used as a fueling facility since the late 1950s. This target area is approximately 1,000 square feet in size. Surface soils are suspect of being impacted by petroleum compounds released during fueling operations. No staining was noted; however, a strong diesel odor was observed during visual inspection. The compounds of concern include TPH. Samples to be collected in this target area are listed on Table 6-165-1.

- Target Area 2 (Former Building 386 - GAP Site 24): This target area is the former location of Building 386, which is approximately 100 square feet in size. Surface and subsurface soils have the potential to have been impacted by compounds that may have been stored at GAP Site 24 in this building. The compounds of concern include TPH, VOCs, SVOCs, pesticides, and metals. Samples to be collected in this target area are listed on Table 6-165-1.

- Target Area 3 (Southwest Corner of Parcel): This is the stained open space area noted in aerial photographs and is approximately 10,000 square feet in area. Surface and subsurface soils have the potential to have been impacted by petroleum compounds and solvents released during maintenance and aircraft fueling or defueling operations formerly occurring at this parcel. The compounds of concern include TPH and VOCs. Samples to be collected in this target area are listed on Table 6-165-1.

- Zone 23 Target Area 1 (Railroad Tracks): Zone 23 Target Area 1 includes all current or former railroad tracks within the Southeastern Recreational Zone. The railroad runs through the northwestern portion of Parcel 165. One of the two samples proposed to be collected from this zone-wide target area is located on Parcel 165. The zone-wide target area sample that is located on Parcel 165 is listed on Table 6-165-1. This target area addresses the possible presence of TPH, SVOCs, PCBs, and lead. The likelihood of environmental impacts having occurred within this target area is classified as potential. Samples that are located on Parcel 165 are listed on Table 6-165-1.

Screening-Level Investigation

Two screening-level techniques will be employed to assess conditions in target areas and to identify areas that require further sampling in the follow-up detailed evaluation phase. These two techniques are surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14). One zone-wide surface soil sample will be collected from the location shown on Figure 6-165-1. Eight parcel-specific subsurface Geoprobe soil samples and eight parcel-specific surface soil samples will be collected from the location shown on Figure 6-165-1. Table 6-165-1 summarizes screening-level sampling and analysis for the parcel's target areas. The sample locations are shown on Figure 6-165-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4. Samples should be located in the areas with the most significant staining. If no staining is evident, then the samples should be distributed evenly within each target area.

Detailed Evaluation Phase

The detailed evaluation phase of sampling is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization will utilize some of the screening technologies discussed above on a higher density level as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-166

PARCEL 166 EVALUATION PLAN

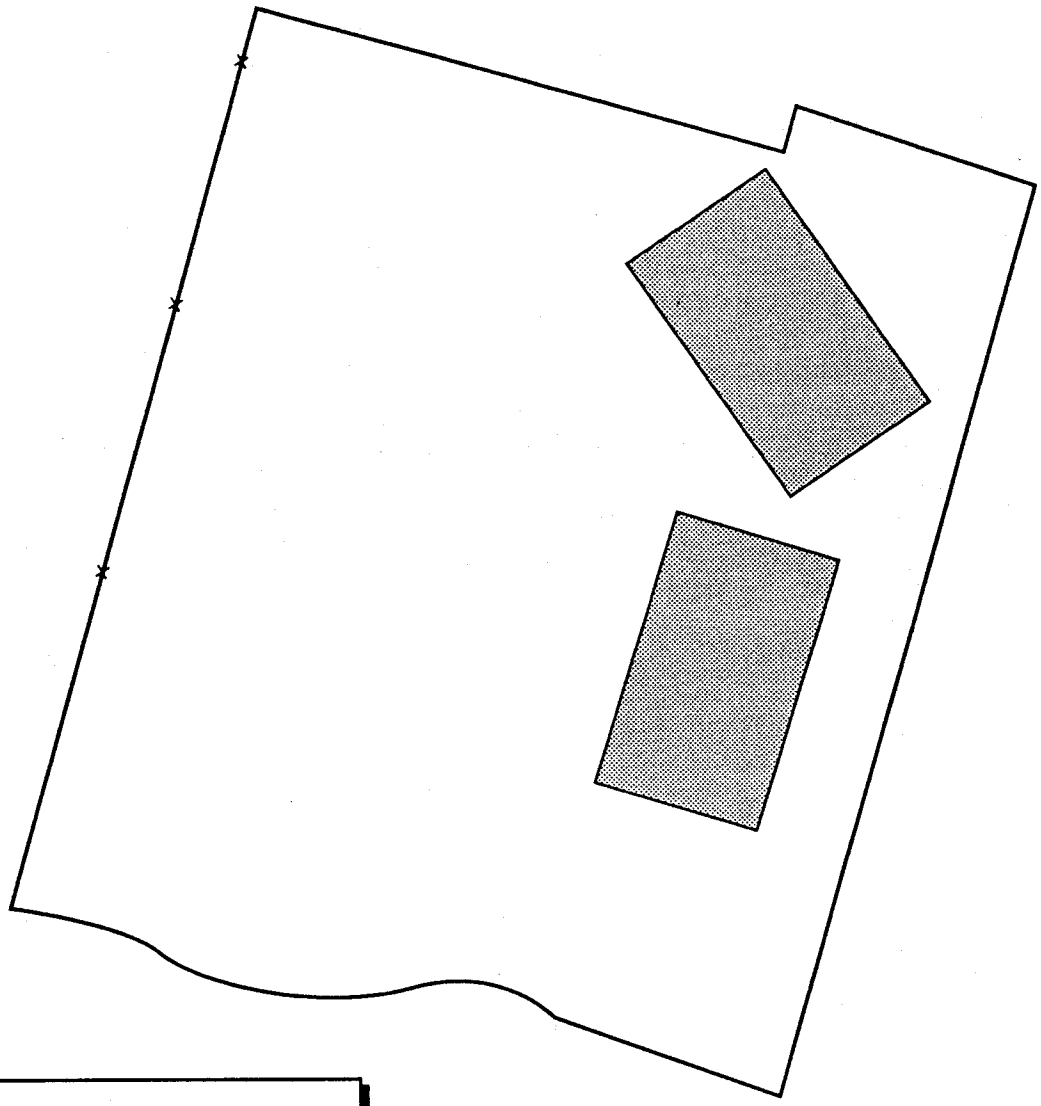
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 166 at NAS Alameda (Figure 6-166-1). The parcel, which is located in the southeast portion of the base, is 1.9 acres in size and is roughly square in shape. The parcel has been classified as requiring a low level of effort to meet the objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 166, historical activities are discussed below.

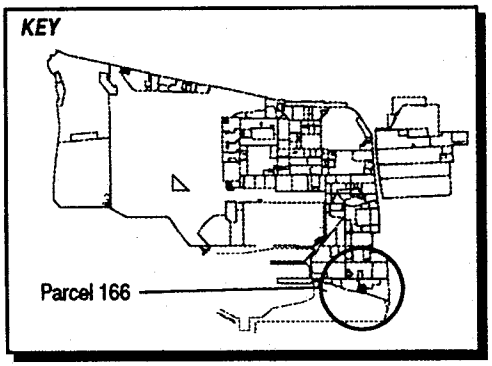
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 165, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 161, 162, 165, 167, 168, 169, and 198. This parcel zone has been designated the Southeastern Recreational Zone (Zone 23). The Southeastern Recreational Zone encompasses the parcels that have historically been used for recreational activities. The parcels in this zone were considered as a whole during the evaluation of this parcel. Sampling results from adjacent parcels within the zone should also be considered during future evaluations of this parcel. Zone-wide considerations and





LEGEND

Note: *No screening-level sampling recommended for this parcel.*

1"=60'

Figure 6-166-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/GCF/08.16.94

potential zone-wide concerns are described in the Zone Analysis Plan for Zone 23.

Prior to 1942, the parcel area was 100 percent inundated under San Francisco Bay. The parcel was completely filled between 1942 and 1946; the ground level and grading have not changed significantly since that time. Dredged material from the channel and turning basin was used as fill for the land area of this parcel. This fill material may have been impacted by hazardous compounds.

Review of historical aerial photographs indicate that this area was utilized for aircraft parking from 1947 through 1970. The parcel was developed into a recreation area between 1970 and 1975. Historical processes at this parcel would be likely to have consisted of aircraft fueling and defueling, aircraft maintenance, and aircraft wash down. No large-scale staining was noted in aerial photographs.

Currently, two structures cover approximately 25 percent of the parcel. The remaining 75 percent is open space. In general, the parcel area is presently in use as picnic and recreation area. No buildings or structures are documented as formerly having been located on the parcel.

Parcel 166 is located within 500 feet to the southwest of an Installation Restoration (IR) Program site (IR Site 16). However, no previous investigations have been conducted at Parcel 166, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Open Space

Currently, Parcel 166 consists entirely of open space. The parcel is currently used for recreation. Structures located within the open space include a volleyball court, barbecues, and a covered picnic area. The volleyball court was constructed in 1993. The covered picnic area, consisting of picnic tables covered by a roof, was constructed in 1980. The open space is mostly covered by grass, (80 percent), sand (volleyball court), and gravel. The landscaped open space areas are shown on Figure 6-166-1. These areas have been landscaped since the 1970s. Utilities located within and immediately surrounding Parcel 166 include overhead electrical lines. There are no documented spills for this parcel.

During the site inspection a beached oil spill boom (slickbar) was discovered at the water's edge, on the southeastern parcel boundary (see Parcel 167). No other incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within Parcel 166.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

The San Francisco Bay borders the south side of the parcel. The tennis courts on Parcel 165 border the western edge of the parcel. Parcel 167 borders the northern and eastern edges of Parcel 166. Building 542, Fleet Recreation Center, in Parcel 167 borders the northern edge of Parcel 166 and Parcel 167 open space borders the eastern edge of Parcel 166. Although oil booms have been encountered along the south shoreline, it does not appear probable that these have impacted Parcel 166. Parcel 166 is not located in proximity to any IR sites.

This parcel has potentially been impacted by waste disposal from the Pacific Coast Oil Company refinery (IR Site 13). Reportedly, some of the wastes generated by the refinery were disposed of in nearby former marshlands. Based on review of information contained in the *Data Summary Report RI/FS Phases 1 and 2A* prepared by PRC Environmental Management, Inc. and Montgomery Watson in August 1993 and discussions with the Navy IR contractors, it appears that soils underlying the subject property may be impacted by TPH and SVOCs. Migration of contaminants from the nearby IR sites (i.e., IR Sites 13 and 17) and/or RCRA units may also have impacted this parcel. If any of the continuing investigations at the nearby IR sites reveal a cause for concern at Parcel 166, then sampling on this parcel may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 166, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for

which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-166-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: radiological concerns and Installation Restoration Sites. No Industrial Hygiene (IH) sampling is required for Parcel 166 because no buildings are present.

As noted earlier, Parcel 166 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Thus, no pesticide sampling is required at this parcel.

Once the data gaps in Table 6-166-1 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 166 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to radiological concerns and impacts of nearby IR sites must be resolved before this parcel can be reclassified, leased, or transferred.

TABLE 6-166-1

Summary of Data Gaps
NAS Alameda Parcel 166

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• No evidence of ACM issues identified.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No buildings exist at Parcel 166.
Installation Restoration (IR) Sites	• IR Site 16 is located within 500 feet northeast of Parcel 166. • IR Site 13 is located more than 500 feet north of Parcel 166. There are possible impacts from wastes reportedly disposed of from the former Pacific Coast Oil Company refinery.
Lead-Based Paint (LBP)	• No evidence of LBP issues identified. (No buildings are present on this parcel.)
PCB-Containing Equipment	• No evidence of PCB-Containing Equipment identified.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• No potential release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• No evidence of underground utilities identified.

TABLE 6-166-1

Summary of Data Gaps
NAS Alameda Parcel 166

Data Gap	Status/Description
- Fuel Lines	• No underground or aboveground fuel lines identified.
- Steam Lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• Floating slickbar identified at the water's edge, on the southeastern parcel boundary.

SECTION 6-167

PARCEL 167 EVALUATION PLAN

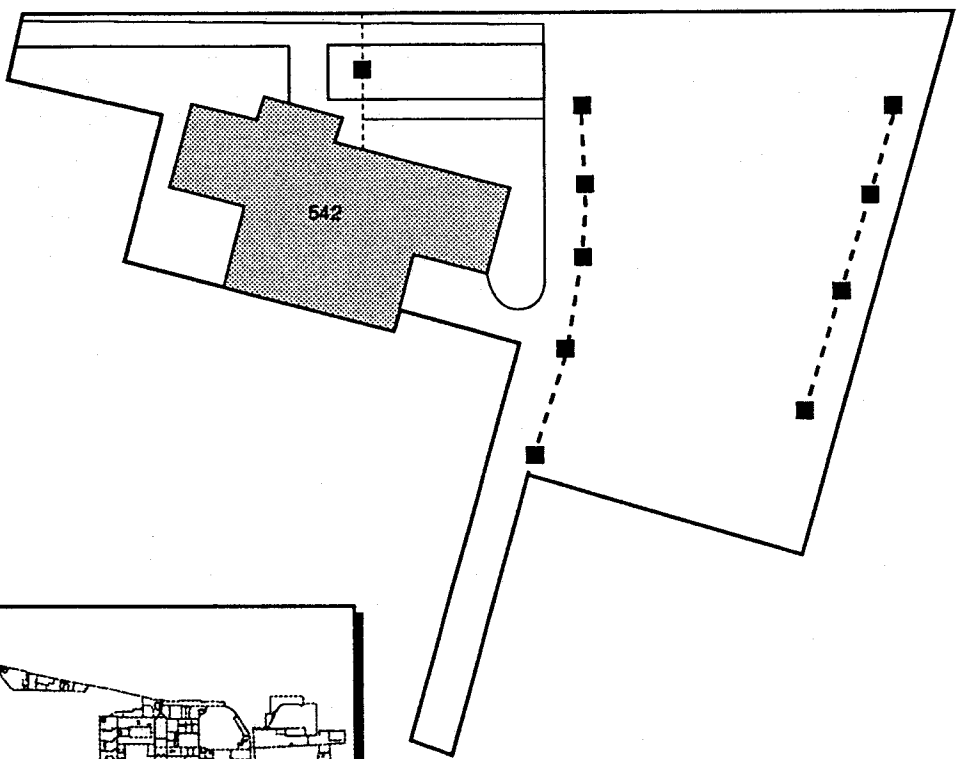
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 167 at NAS Alameda (Figure 6-167-1). The parcel, which is located in the southeastern portion of the base, and is 3.3 acres in size. It is roughly triangular in shape with a narrow panhandle connected to the bay. The parcel has been classified as requiring a low sampling effort to meet the objectives of this project outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. No parcel-specific or zone-wide target investigation areas (target areas) have been identified on this parcel. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 167, historical activities are discussed below.

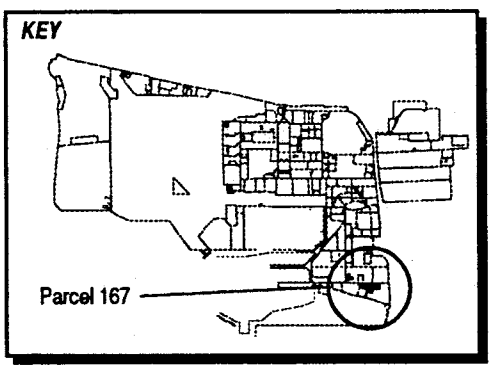
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 167, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 161, 162, 165, 166, 168, 169, and 198. This parcel zone has been designated the Southeastern Recreational Zone (Zone 23). The Southeastern Recreational Zone encompasses the parcels that have historically been used for recreational activities. The parcels in this zone were considered as a whole during the evaluation. While no sampling has been proposed at this parcel, sampling results from adjacent parcels within the zone should be considered during future evaluations.





LEGEND

- Sewer Line
- Storm Sewer Line
- Catch Basin

Note: *No screening-level sampling recommended for this parcel.*

1"= 125'

Figure 6-167-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/GCF/06.16.94

Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 23.

Prior to 1942, the parcel area was completely inundated under San Francisco Bay. The parcel was completely filled between 1942 and 1946; the ground level and grading have not changed significantly since that time. Dredged material from the channel and turning basin was used as fill for the land are of this parcel. This fill material may have been impacted by hazardous compounds.

Review of historical aerial photographs indicate that this area was utilized for aircraft parking from 1947 through 1970. The parcel was developed to its current state between 1970 and 1975. Historical processes at this parcel are likely to have consisted of aircraft fueling and defueling, aircraft maintenance, and aircraft wash down. No large-scale staining was noted in aerial photographs.

Currently, one building and one structure are located on the parcel (Figure 6-167-1). They cover approximately 15 percent of the parcel. The remaining 85 percent is open space. The parcel area is presently used for vehicle parking and recreation. Sewer lines are located on this parcel and are shown in Figure 6-165-1. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

Parcel 167 borders on the southwestern corner of Installation Restoration (IR) Program site (IR Site 16). However, no previous investigations have been conducted at Parcel 167, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Building 542

Building 542 was constructed in 1975 and served as a bowling alley (Figure 6-167-1). This building is generally in good condition. Building 542 is a one-story building. It is constructed of concrete with a tile floor, and covers approximately 23,700 square feet. Utilities located within and immediately surrounding Building 542 include sanitary sewer and electrical lines.

Records indicate that activities conducted within this building included recreation and dining. Current uses of the building include a pizza parlor, a laundromat and general recreation.

Janitorial chemicals are documented to have been stored in and used at Building 542 from 1975 to present. PCB-containing transformers/ ballasts are documented to be present along the west side of Building 542.

Open Space

The open space on this parcel is used as a parking area and for RV campsites. Landscaping and a roadway are present along the northwestern portion of the parcel. The open space covers approximately 85 percent of the parcel. Review of historical records, site inspections, permits, interviews, and historic aerial photographs indicate that aircraft parking occurred in Parcel 167 from 1947 through approximately 1975. The area has been used for recreational purposes since that time.

During the site inspection, an RV sewage dump station was discovered in the northeast corner of Parcel 167. Photographs show evidence of a sewage line leading from the station toward the northeast. It is unknown if the outflow is tied into the base sewage system or a separate septic system.

Sixty percent of the open space is paved with asphalt and the remainder is covered with grass and trees. The landscaped areas are shown on Figure 6-167-1. These areas have been landscaped since the 1970s. Utilities located within and immediately surrounding the open space include underground sanitary sewer, storm sewer, and electrical lines.

There are no documented spills for this parcel. Review of aerial photographs and site inspection data indicates that undocumented spills may have occurred. The stained areas correspond to aircraft parking locations, and are likely the result of spilled fuel or lubricating fluids. No other incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within Parcel 167.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified

any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcels 150, 151 and 149 border Parcel 167 to the north. Parcel 150 has been identified to contain creosote, paint and copper. Parcel 149 is IR Site 16, which is documented to have stored paint, solvents, bases, acids, and PCB transformers, and to have applied PCB-containing pesticides in its open spaces. Parcel 168 borders this parcel to the east. Parcels 168 (which contains a RCRA unit) and 169 border Parcel 167 to the southeast. Parcel 166, a recreational area, borders Parcel 167 to the south. A baseball field (in Parcel 165) lies to the west. The panhandle area is bordered by Parcels 166, 169 and the Bay. Parcel 167 is located adjacent to the auto hobby shop, and the empty drum and chemical storage area noted at Parcel 169. These issues are discussed in the appropriate PEPs. Although oil booms have been encountered along the south shoreline, it does not appear probable that these have impacted Parcel 167.

This parcel has potentially been impacted by waste disposal from the Pacific Coast Oil Company refinery (IR Site 13). Reportedly, some of the wastes generated by the refinery were disposed of in nearby former marshlands. Based on review of information contained in the *Data Summary Report RI/FS Phases 1 and 2A* prepared by PRC Environmental Management, Inc. and Montgomery Watson in August 1993 and discussions with the Navy IR contractors, it appears that soils underlying the subject property may be impacted by TPH and SVOCs. Migration of contaminants from the nearby IR sites (i.e., IR Sites 13 and 17) and/or RCRA units may also have impacted this parcel. If any of the continuing investigations at the nearby IR sites reveal a cause for concern at Parcel 167, then sampling on this parcel may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 167, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-167-1 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As

TABLE 6-167-1

Summary of Data Gaps
NAS Alameda Parcel 167

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings exist at Parcel 167.
Installation Restoration (IR) Sites	• IR Site 16 borders Parcel 167 to the northeast. • IR Site 13 is located more than 500 feet northeast of Parcel 167. There are possible impacts from wastes reportedly disposed of from the former Pacific Coast Oil Company refinery.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential zone-wide release areas identified.
Potential Parcel-Specific Release Areas	• No potential parcel-specific release areas identified.
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

TABLE 6-167-1

Summary of Data Gaps
NAS Alameda Parcel 167

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer, sanitary sewer, and electrical lines identified. It is unknown if the sanitary sewer outflow is tied into the base sewage system or a separate septic system.
- Fuel Lines	• No underground or aboveground fuel lines identified.
- Steam Lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration sites. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. No Industrial Hygiene (IH) sampling is required for Parcel 167 because no industrial buildings are present.

As noted earlier, Parcel 167 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling is required at this parcel.

Once the data gaps in Table 6-167-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 167 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

Because no potential release areas are located at this parcel, no parcel-specific target areas were identified for this parcel. In addition, no zone-wide target areas were identified. However, concerns pertaining to asbestos, lead-based paint, PCBs, underground lines, radiological concerns, and impacts of the adjacent and nearby IR sites must be resolved before this parcel can be leased or transferred.

Z23

SECTION 6-168

PARCEL 168 EVALUATION PLAN

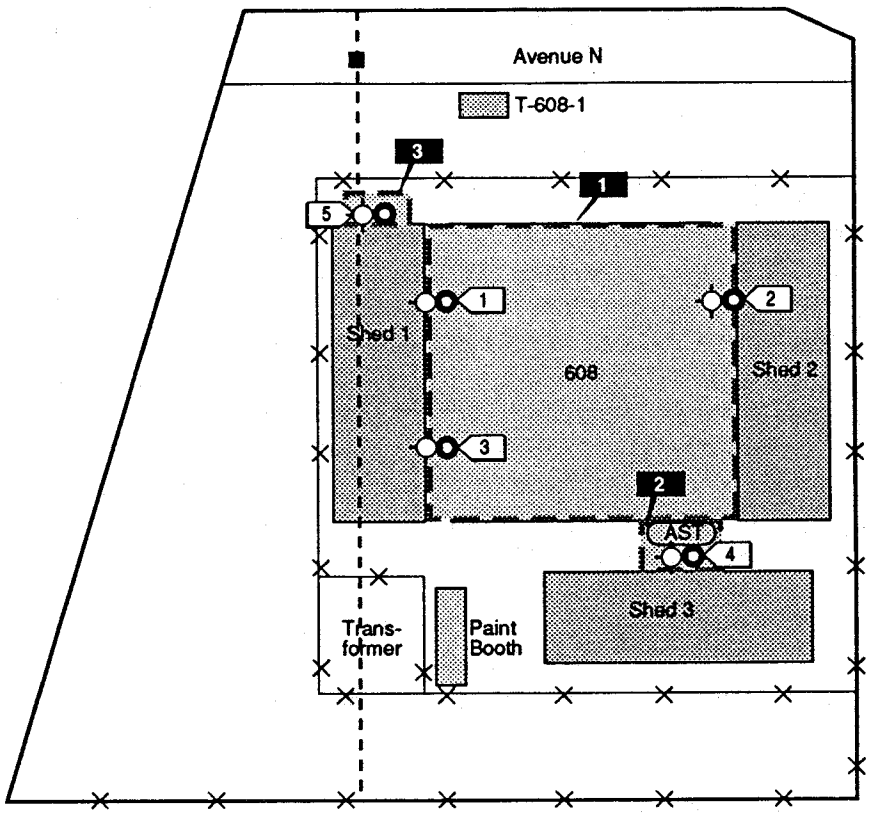
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 168 at NAS Alameda (Figure 6-168-1). The parcel, which is located in the southeastern portion of the base, is 1.2 acres in size and is square in shape. This parcel requires a moderate sampling effort to meet the sampling objectives outlined in Section 1 of the Shell Workplan. This parcel contains one RCRA site. SWMU/GAP 17 will be investigated as part of this PEP. Three parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. Surface soil and subsurface Geoprobe soil sampling are the sampling procedures called for in the screening-level investigation. Table 6-168-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 168, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 168, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites, an underground storage tank, and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 161, 162, 165, 166, 167, 169, and 198. This parcel zone has been designated the Southeastern Recreational Zone (Zone 23). The Southeastern Recreational Zone encompasses the parcels that have historically been used for recreational activities. The parcels in this zone were considered as a whole during the evaluation. Sampling results from



Magnetic
True North

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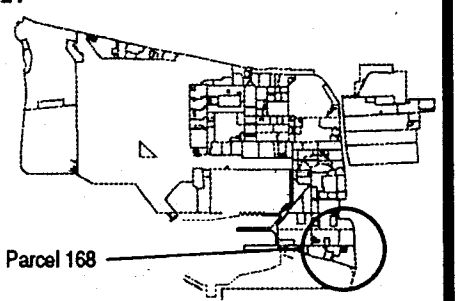


LEGEND

- Target Areas 1-3
- Storm Sewer Line
- Subsurface Geoprobe Soil Sample Location
- Surface Soil Sample Location
- Catch Basin
- AST Aboveground Storage Tank
- Fence

Note: Target 1 includes oil/water separators adjacent to Building 608

1"= 60'

Figure 6-168-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/GCF/06.16.94

TABLE 6-168-1

Summary of Recommended Samples

NAS Alameda Parcel 168

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
168-1-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Solvents, TPH, SVOCs, VOCs, metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, EPA 8240, ICAP Scan
168-1-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 1	Solvents, TPH, SVOCs, VOCs, metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, CLP RAS
168-1-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Waste oil, Lube oil, metals	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
168-1-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 1	Waste oil, Lube oil, metals	TPH, SVOCs, Metals	Modified EPA 8015, CLP RAS
168-2-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Solvents, TPH, SVOCs, VOCs, metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, EPA 8240, ICAP Scan
168-2-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Waste oil, Lube oil, metals	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
168-3-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Solvents, TPH, SVOCs, VOCs, metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, EPA 8240, ICAP Scan
168-3-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	Waste oil, Lube oil, metals	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
168-4-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 2	Solvents, TPH, SVOCs, VOCs, metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, EPA 8240, ICAP Scan
168-4-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 2	Solvents, TPH, SVOCs, VOCs, metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, EPA 8240, ICAP Scan
168-4-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 2	Waste oil, Lube oil, metals	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
168-4-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 2	Waste oil, Lube oil, metals	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
168-5-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 3	Solvents, TPH, SVOCs, VOCs, metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, EPA 8240, ICAP Scan

TABLE 6-168-1

Summary of Recommended Samples
NAS Alameda Parcel 168

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
168-5-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 3	Solvents, TPH, SVOCs, VOCs, metals	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, CLP RAS
168-5-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 3	Waste oil, antifreeze, metals	TPH, SVOCs, Metals	Modified EPA 8015, EPA 8270, ICAP Scan
168-5-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 3	Waste oil, antifreeze, metals	TPH, SVOCs, Metals	Modified EPA 8015, CLP RAS

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

adjacent parcels within the zone should be considered during future evaluations of this parcel. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 23.

Prior to 1942, the parcel area was completely inundated under San Francisco Bay. The parcel was completely filled between 1942 and 1946; the ground level and grading have not changed significantly since that time. Dredged material from the channel and turning basin was used as fill for the land are of this parcel. This fill material may have been impacted by hazardous compounds.

Review of historical aerial photographs indicate that this area was utilized for aircraft parking from 1947 through 1970. The parcel was developed to its current state, between 1970 and 1975. Historical processes at this parcel probably included aircraft fueling and defueling, aircraft maintenance, and aircraft wash down. No large scale staining was noted in aerial photographs.

Since 1981 Parcel 168 has been occupied by the auto-hobby shop. Currently, one building and five structures are located on the parcel (Figure 6-168-1). They cover approximately 30 percent of the parcel. The remaining 70 percent is open space. One building was formerly located on the parcel and has since been demolished. Underground sewer lines are present on this parcel and are shown on Figure 6-168-1.

Parcel 168 is directly south of an Installation Restoration (IR) Program site (IR Site 16). However, no previous investigations have been conducted at Parcel 168, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Building 402

Building 402 was located on the northern portion of the parcel. This building contained a maintenance shop and a sand blast shelter. It was constructed in 1950, and demolished in 1961. This information is consistent with historical aerial photographs.

Building 608

Building 608 was constructed in 1981 and has served as a "self-serve" auto repair facility since that time (Figure 6-168-1). This building is generally in fair condition. Building 608 is a one-story building. It is constructed of brick with a concrete floor and wood roof, and covers approximately 10,000 square feet. Utilities located within and immediately surrounding Building 608 include electrical, sanitary sewer, storm sewer, and water lines. Natural gas service was not indicated on maps but is thought to be provided to the building.

The interior of Building 608 contains a sales area, where automotive products can be purchased. Each side of the auto hobby shop is equipped with multiple vehicle service bays. Each of these bays is equipped with a hydraulic lift. Drains connecting to the sanitary sewer were noted adjacent to each bay. Information collected during the EBS indicates that activities conducted within this building include routine automobile servicing, parts degreasing, and occasional paint "touch-ups."

Chemicals relating to automobile servicing are documented to have been stored and used at Building 608 from 1981 to present. Several hazardous substances were noted during the site inspection. They include: miscellaneous petroleum products (lubrication oil, etc.); consumer packaged auto maintenance products (engine and carburetors cleaners, octane boosters, degreasers, etc.); Safety Kleen solvent (Safety Kleen dip tank and brake cleaning machine); canisters of acetylene, oxygen and argon; and two large units of batteries. Chemicals stored and used in Building 608 will be addressed by Target Area 1 in this PEP.

A 500-gallon (some records say 600-gallon) UST is apparently still located adjacent to or underneath Building 608. The tank had previously been utilized to store waste oil. The tank has not been in use since 1987, and is scheduled to be removed.

There are no spills documented for this area; however, stains noted through out the interior of the building indicate that undocumented spills may have occurred.

Shed 1

Shed 1 is located directly west of Building 608, and consists of a metal overhang over concrete paving. It covers approximately 2,000 square feet. SWMU/GAP 17 is located north of this shed. The shed contains a CONEX Box utilized to stage hazardous waste that is generated in this

area. Vehicle service bays make up the remainder of the shed area (Figure 6-168-1). Unlike the service bays located inside Building 608, no hydraulic lifts or drains are located in the outside service bays.

Historical aerial photographs indicate that this area was paved with concrete in 1981, and that the awning appeared between 1985 and 1990. It is not clear how long the GAP site has been located near Shed 1, but considering the nature of Building 608, this area has probably been utilized as a hazardous waste accumulation point for an extended period of time. There are no spills documented for this area; however, minor stains noted at this structure indicate that undocumented spills may have occurred.

Sheds 2 and 3

Shed 2 is located directly east of Building 608, and Shed 3 is located southeast of Building 608. Both structures consist of a metal overhang over concrete paving. Shed 2 covers approximately 2,000 square feet, and Shed 3 covers approximately 1500 square feet. Vehicle service bays make up the interior of these shed areas (Figure 6-168-1). Unlike the service bays located inside Building 608, no hydraulic lifts nor drains are located in the outside service bays.

Historical aerial photographs indicate that these structures appeared between 1985 and 1990. It is not clear how long these areas have been utilized for auto servicing activities, but it appears likely that these activities have occurred here since the sheds were constructed.

There are no spills documented for this area; however, stains noted at this structure indicate that undocumented spills may have occurred. Stains are likely the result of spilled lubricating fluids. Undocumented spills of vehicle fuel or of solvents may have also occurred in this area.

Structure 586

Structure 586 has always served as a sewage lift station (Figure 6-168-1), and is located in the northwest corner or the parcel. Structure 586 is on a concrete pad and covers approximately 1,000 square feet. No chemicals relating to sewage pumping are documented to have been stored in or used at Structure 586.

Paint Booth

The Paint Booth is located in the south-southwest portion of the subject property. Aerial photograph review indicates that this structure was constructed on the parcel between 1981 and 1985. According to site personnel, the paint booth has never been utilized. This was confirmed during the EBS site inspection.

Open Space I

Open Space I consists of all the open space on the parcel, with the exception of the gated area located at the southwest corner of the parcel, and which is identified as Open Space II. This space covers approximately 60 percent of the parcel, and is generally only utilized for vehicle parking. Over 65 percent of this open space is asphalt paved, about 30 percent is paved with concrete, and the remainder (less than five percent of this open space) is covered with gravel. Utilities located within and immediately surrounding Open Space I include electrical, sanitary sewer, and storm sewer lines.

Two sets of oil/water separators were noted in this area; one receives drainage from the western portion of Building 608, and the other receives drainage from the eastern portion of Building 608. Both of these systems are reported to currently be non-operational.

Waste oil generated in Building 608 is stored in a 1,000-gallon aboveground storage tank (AST) located in the open space south of Building 608, and mounted on a concrete pad. A stain was noted over asphalt between the AST and an oil/water separator. The staining adjacent to the AST will be addressed by Target Area 2 in this PEP.

Antifreeze and waste oil filters that were generated in Building 608 was stored at GAP Site 17 prior to their being removed off site. The Safety Kleen solvent is routinely replaced by Safety Kleen. The potential impacts of waste oil storage and releases at GAP Site 17 will be addressed by Target Area 3 in this PEP.

Vehicle wash down activities are frequently performed here, and in all likelihood, occasionally involve the use of commercial soaps and/or drive train degreasers (such as those sold inside Building 608). Pooled water was noted adjacent to three of the four drains that area connect to the non-operational oil/water separators. In addition, a concrete paved vehicle wash down area is located at the south border of the parcel; it is unclear if the drain in this area connects to either of the oil/water separators. Such activities have potentially impacted storm sewer lines.

No chemical storage, except for the storage of waste oil storage that is generated by auto-hobby shop operations, appears to occur in this open space. There are no documented spills for this area; however, stains consistent with typical vehicle parking stains were noted at this open space.

Open Space II

Open Space II is a fenced off, asphalt paved, hazardous material storage area, located at the southwest corner of the parcel. The asphalt in the hazardous materials storage area is in poor condition. Two hazardous materials CONEX Boxes and one small flammable materials locker were noted here. One PCB-containing pad-mounted transformer was also noted in this area. No spills have been reported for this area. No other incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within Parcel 168.

Underground Storage Tanks

One abandoned underground storage tank (Tank 608) is present at this parcel. It is unknown when this tank was installed. Tank 608 is located adjacent to or underneath Building 608. Tank 608 was used to store waste oil and diesel fuel. This tank has a capacity of between 500 and 600 gallons. The presence of Tank 608 was identified from historical data. Based on the available information, this tank has been abandoned for several years. This tank is scheduled to be removed. This tank failed a tank test on 10/23/91 and the line test was inconclusive. Limited investigation of this tank has been completed (described in the October 1988 ERM-West, Inc. report entitled *Abandoned Underground Storage Tank Investigation*). Ethylbenzene, toluene, and xylenes were detected in the subsurface soil near Tank 608 at concentrations below August 1994 USEPA PRGs.

Parcel Boundary Conditions

Parcel 168 is bordered by Parcel 149 to the north, which is also IR Site 16. IR Site 16 is document to have stored paint, solvents, bases, acids, and PCB transformers, and to have applied PCB-containing pesticides in its open spaces. Parcel 169 borders Parcel 168 to the east and south. An empty drum and chemical storage area is present at the border between Parcels 168 and 169. Parcel 167, which contains commercial facilities, and picnic and parking areas, is present to the west.

This parcel has potentially been impacted by waste disposal from the Pacific Coast Oil Company refinery (IR Site 13). Reportedly, some of the wastes generated by the refinery were disposed of in nearby former marshlands. Based on review of information contained in the *Data Summary Report RI/FS Phases 1 and 2A* prepared by PRC Environmental Management, Inc. and Montgomery Watson in August 1993 and discussions with the Navy IR contractors, it appears that soils underlying the subject property may be impacted by TPH and SVOCs. Migration of contaminants from the nearby IR sites (i.e., IR Sites 13 and 17) and/or RCRA units may also have impacted this parcel. If any of the continuing investigations at the nearby IR sites reveal a cause for concern at Parcel 168, then sampling on this parcel may be appropriate.

RCRA Sites

This subsection identifies RCRA Sites and requirements associated with this site on the parcel, consistent with objectives described in Section 1 of the Shell Workplan. This parcel includes one RCRA site (SWMU/GAP 17). This site was evaluated consistent with the criteria applied to other potential target areas at the parcel. Under these criteria, this RCRA site does require further investigation. A brief description of the RCRA site is provided. The sampling proposed for this site is described in Target Area 2 in the Target Areas and Compounds of Concern subsection of this PEP.

SWMU/GAP 17 is located north of Shed 1. It is unknown whether any chemicals were released from this site. The chemicals of concern associated with this site are waste oil, antifreeze, and solvents. The tank has not been used since 1987 and is scheduled for removal in 1994.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 168, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-168-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-

TABLE 6-168-2

Summary of Data Gaps
NAS Alameda Parcel 168

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings are present at Parcel 168.
Installation Restoration (IR) Sites	• IR Site 16 borders Parcel 168 to the north. • IR Site 13 is located more than 500 feet to the north of Parcel 168. There are possible impacts from wastes reportedly disposed of from the former Pacific Coast Oil Company refinery.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1(Building 608 and adjacent inactive oil-water separators). • Target Area 2 (Aboveground Storage Tank). • Target Area 3 (GAP Site 17).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.

TABLE 6-168-2

Summary of Data Gaps
NAS Alameda Parcel 168

Data Gap	Status/Description
Underground Storage Tanks (USTs)	• Tank 608 is located adjacent or underneath Building 608. This tank is abandoned and is scheduled to be removed. This tank failed a tank test on 10/23/91 and the line test was inconclusive.
Underground Utilities	• Storm sewer, sanitary sewer, and electrical lines identified. • Storm sewers have potentially been impacted by vehicle washdown activities. • Natural gas lines are thought to be present.
- Fuel Lines	• No underground or aboveground fuel lines identified.
- Steam Lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

based paint, asbestos, radiological concerns, and Installation Restoration sites. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3. No Industrial Hygiene (IH) sampling is required for Parcel 168 because no industrial buildings are present.

Once the data gaps in Table 6-168-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 168 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target areas. The nature and locations of these areas were evaluated to determine field investigation and sampling strategies. This parcel contains two parcel-specific target areas. The following target areas were identified based on the potential release area described above and listed in Table 6-168-2.

- Target Area 1 (Building 608): This target area consists of the entire building area and adjacent oil/water separators, which is approximately 10,000 square feet in area. The soil beneath Building 608 may have been impacted by releases of hydrocarbons and solvents from the auto hobby shop operations, primarily the vehicle bay areas on the eastern and western sides of the building, or from the oil/water separators. This target area has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-168-1.

- Target Area 2 (Aboveground Storage Tank): This target area consists of the area surrounding the 1,000-gallon aboveground storage tank (AST) located in the open space south of Building 608, which is less than 1,000 square feet in size. The surface and subsurface soil surrounding the AST may have been impacted by releases of waste oils and solvents. This target area has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-168-1.

- Target Area 3 (GAP Site 17): This target area consists of the area surrounding GAP Site 17, which is 2,000 square feet in area. The soil beneath GAP Site 17 may have been impacted by releases of waste oils, antifreeze, and solvents. This target area has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-168-1.

Screening-Level Investigation

Two screening-level techniques will be employed to assess conditions in target areas and to identify areas that require further sampling in the follow-up detailed evaluation phase. These two techniques are surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14). Table 6-168-1 summarizes screening-level sampling and analysis for the parcel's target areas. Five parcel-specific subsurface Geoprobe soil samples and five parcel-specific surface soil samples will be collected from the location shown on Figure 6-168-1. Sample locations shown on Figure 6-168-1. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization will utilize some of the screening technologies discussed above on a higher density level as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-169

PARCEL 169 EVALUATION PLAN

This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 169 at NAS Alameda (Figure 6-169-1). The parcel, which is located in the southeast portion of the base, is 9.9 acres in size and is roughly triangular in shape. The parcel requires a low level sampling effort to meet the sampling objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One parcel-specific and no zone-wide target investigation areas (target areas) have been identified on this parcel. Surface soil and subsurface Geoprobe soil sampling are the sampling procedures called for in the screening-level investigation. Table 6-169-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 169, historical activities are discussed below.

Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 169, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 161, 162, 165, 166, 167, 168, and 198. This parcel zone has been designated the Southeastern Recreational Zone (Zone 23). The Southeastern Recreational Zone encompasses the parcels that have historically been used for recreational activities. The parcels in this zone were considered as a whole during the evaluation. Sampling results from

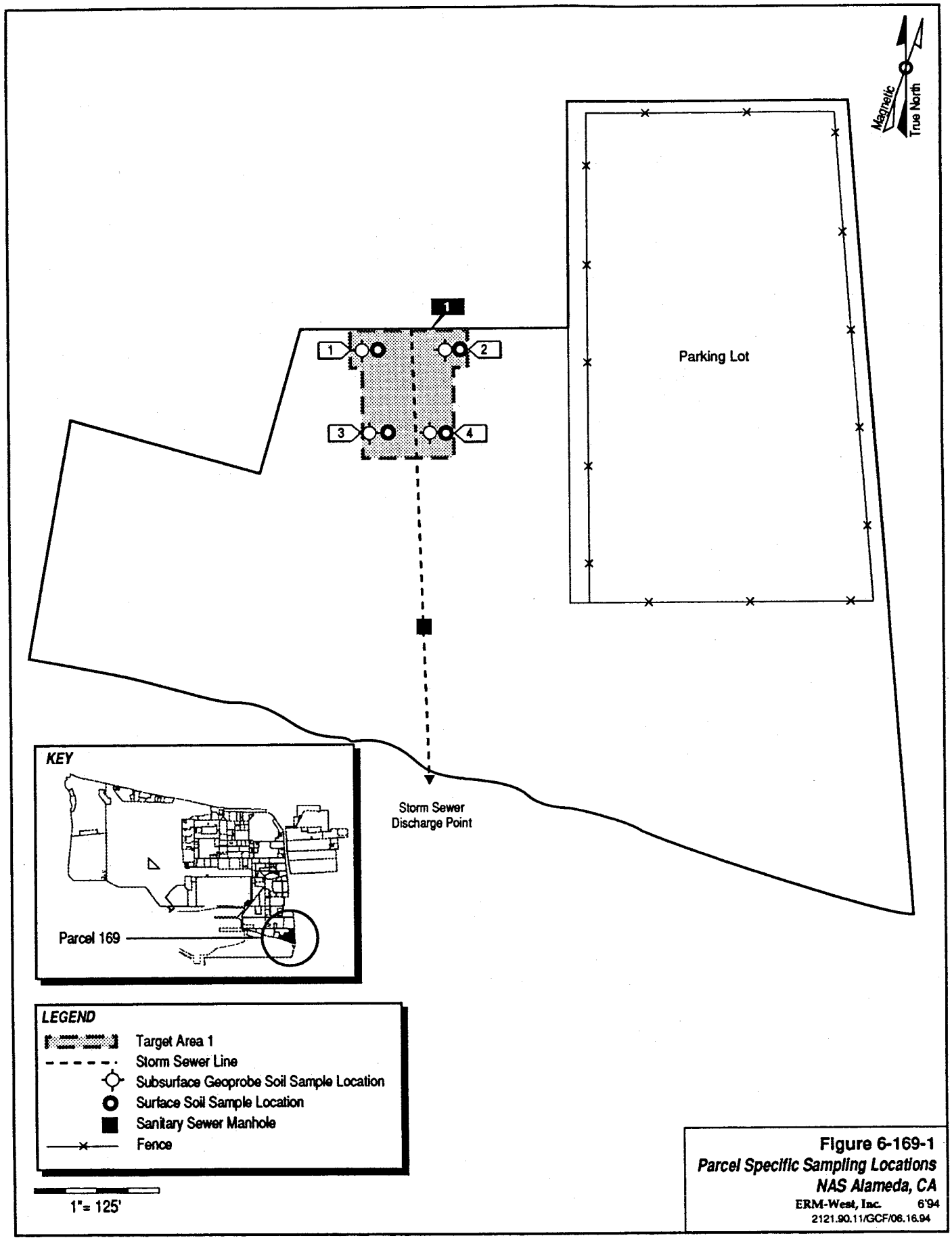


Figure 6-169-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 6'94
2121.90.11/GCF/06.16.94

TABLE 6-169-1

Summary of Recommended Samples
NAS Alameda Parcel 169

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
169-1-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Solvents, Paint	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, EPA 8240, ICAP Scan
169-1-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 1	Solvents, Paint	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, CLP RAS
169-1-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	SVOCs, Pesticides, TPH	SVOCs, Pesticides, TPH	EPA 8270, EPA 8080, Modified EPA 8015
169-1-0-S-V-DDMMYY*	0-0.5'	Surface	Soil	Target Area 1	SVOCs, Pesticides, TPH	SVOCs, Pesticides, TPH	Modified EPA 8015, CLP RAS
169-2-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Solvents, Paint	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, EPA 8240, ICAP Scan
169-2-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	SVOCs, Pesticides, TPH	SVOCs, Pesticides, TPH	EPA 8270, EPA 8080, Modified EPA 8015
169-3-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Solvents, Paint	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, EPA 8240, ICAP Scan
169-3-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	SVOCs, Pesticides, TPH	SVOCs, Pesticides, TPH	EPA 8270, EPA 8080, Modified EPA 8015
169-4-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	Solvents, Paint	TPH, SVOCs, VOCs, Metals	Modified EPA 8015, EPA 8270, EPA 8240, ICAP Scan
169-4-0-S-S-DDMMYY	0-0.5'	Surface	Soil	Target Area 1	SVOCs, Pesticides, TPH	SVOCs, Pesticides, TPH	EPA 8270, EPA 8080, Modified EPA 8015

* These are the suggested locations for the confirmation samples. The actual locations will depend on field analytical results.

adjacent parcels within the zone should also be considered during future evaluations of this parcel. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 23.

Prior to 1942, the parcel area was completely inundated under San Francisco Bay. The parcel was completely filled between 1942 and 1946; the ground level and grading have not changed significantly since that time. Dredged material from the channel and turning basin was used as fill for the land are of this parcel. This fill material may have been impacted by hazardous compounds.

Review of historical aerial photographs indicate that this area was utilized for aircraft parking from 1947 through 1970. The parcel was developed to its current state between 1970 and 1975. Historical processes at this parcel probably consisted of aircraft fueling and defueling, aircraft maintenance, and aircraft wash down. No large-scale staining was noted in aerial photographs.

Currently, there are no buildings or structures located on the parcel. The parcel consists entirely of open space. The parcel area is presently in use as an RV park, a vehicle parking area, and a boat launch area. This parcel has apparently never had any structures or buildings on it. Sewer lines are located on this parcel and are shown in Figure 6-169-1. Sampling associated with sewer lines is discussed in corresponding protocols presented in Section 3.

Open Space

The parcel consists entirely of open space. Twenty percent of the open space is landscaped and 80 percent is paved with asphalt in good condition. The grassy area is located in the north-central portion of the parcel. Landscaped areas are shown on Figure 6-167-1. These areas have been landscaped since the 1970s. Utilities located within and immediately surrounding the parcel include electrical lines, storm sewer lines, and a storm sewer outfall located at the south portion of the parcel.

Current processes at Parcel 169 include painting, empty drum and chemical storage, material storage, boat launching, and vehicle parking. The type of chemicals stored at this parcel are unknown. During the site inspection of the grassy area located in the northwestern portion of the parcel, a material and chemical storage area was observed. The presence of metal tracks indicates that this area has been used repeatedly as a material storage area for CONEX Boxes (metal tracks are utilized by the Navy to provide firm footing for CONEX Boxes).

During a site inspection, three large storage lockers (one labeled poison) and approximately 100 empty drums that appeared to have been recently painted green were noted at the grassy area located in the north-central portion of the parcel. The portion of the parcel that has been utilized for storage was approximately 2,000 square feet in size. Green paint stains were observed throughout this area (over 50 percent of a 100 foot by 100 foot square was stained). This 10,000 square foot area with green paint stains and chemical storage is addressed by Target Area 1 in this PEP.

The EBS had previously noted two large storage lockers, one smaller (5 feet by 5 feet by 4 feet) storage locker, and approximately 50 empty drums in this area. Some of these drums had previously contained "Solvent GW 450." A tipped over empty drum and several uncovered and damaged drums were noted during an earlier site inspection in this area. These drums were noted to contain small quantities of fluid. No paint staining was noted during this earlier site inspection. Two pad-mounted, oil-filled transformers were noted at this parcel. No leakage was noted. No other incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within Parcel 169.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 169 is bordered to the north by Parcel 168 (the auto hobby shop) and Parcel 149 (IR Site 16), to the east by private land, to the south by the San Francisco Bay, and to the west by Parcels 166 and 167 (Parcel 167 contains commercial facilities, picnic areas, and parking areas). IR Site 16 is documented to have stored paint, solvents, bases, acids, and PCB transformers, and to have applied PCB-containing pesticides in its open spaces. Issues pertaining to Parcels 168 and 149 are discussed in the respective PEPs.

This parcel has potentially been impacted by waste disposal from the Pacific Coast Oil Company refinery (IR Site 13). Reportedly, some of the wastes generated by the refinery were disposed of in nearby former marshlands. Based on review of information contained in the *Data Summary Report RI/FS Phases 1 and 2A* prepared by PRC

Environmental Management, Inc. and Montgomery Watson in August 1993 and discussions with the Navy IR contractors, it appears that soils underlying the subject property may be impacted by TPH and SVOCs. Migration of contaminants from the nearby IR sites (i.e., IR Sites 13 and 17) and/or RCRA units may also have impacted this parcel. If any of the continuing investigations at the nearby IR sites reveal a cause for concern at Parcel 169, then sampling on this parcel may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 169, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-169-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, radiological concerns, and Installation Restoration Sites. Sampling associated with sewer lines is discussed in the corresponding protocols presented in Section 3. No Industrial Hygiene (IH) sampling is required for Parcel 169 because no buildings are present.

As noted earlier, Parcel 169 has open space areas that are landscaped. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Thus pesticide sampling is not required at this parcel.

Once the data gaps in Table 6-169-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 169 may be reclassified from BRAC Category 7 to another BRAC category.

TABLE 6-169-2

Summary of Data Gaps
NAS Alameda Parcel 169

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• No ACM issues identified.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No buildings exist at Parcel 169.
Installation Restoration (IR) Sites	• IR Site 16 borders Parcel 169 to the north. • IR Site 13 is located northeast of Parcel 169. There are possible impacts from wastes reportedly disposed of from the former Pacific Coast Oil Company refinery.
Lead-Based Paint (LBP)	• No LBP issues identified.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring (non-IR) parcels identified.
Potential Zone-Wide Release Areas	• No potential zone-wide release areas identified.
Potential Parcel-Specific Release Areas	• Target Area 1 (Open Space).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.
Underground Utilities	• Storm sewer and electrical lines, and a storm sewer outfall identified.

TABLE 6-169-2

Summary of Data Gaps
NAS Alameda Parcel 169

Data Gap	Status/Description
- Fuel Lines	• No underground or aboveground fuel lines identified.
- Steam Lines	• No steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target area. The nature and locations of this area was evaluated to determine field investigation and sampling strategies. This parcel contains one parcel-specific target area. The following target area was identified based on the potential release area described above and listed in Table 6-169-2.

- Target Area 1 (Open Space): This target area consists of the grassy area that is 50 percent covered with green paint and also includes the empty drum and chemical storage area located at the northwestern portion of the parcel. This target area is approximately 10,000 square feet in size. Surface soils have potentially been impacted by VOCs, SVOCs, TPH, and pesticides. Subsurface soils have potentially been impacted by TPH, SVOCs, VOCs, and metals. This target area has been classified as having a potential likelihood of impacts. Samples to be collected in this target area are listed in Table 6-169-1.

Screening-Level Investigation

Two screening-level techniques will be employed to assess conditions in target areas and to identify areas that require further sampling in the follow-up detailed evaluation phase. These techniques include surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14). Four subsurface Geoprobe soil samples and four surface soil samples will be collected from the parcel-specific location shown on Figure 6-168-1. The subsurface Geoprobe soil samples will be obtained from the paint-sprayed areas. Table 6-169-1 summarizes screening-level sampling and analysis for the parcel's target area. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4. It should be noted that the grassy field area is overlain by metal tracks, which may pose access restrictions and may have to be removed prior to sampling.

Detailed Evaluation Phase

The detailed evaluation phase of sampling is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization will utilize some of the screening technologies

discussed above on a higher density level as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

SECTION 6-198

PARCEL 198 EVALUATION PLAN

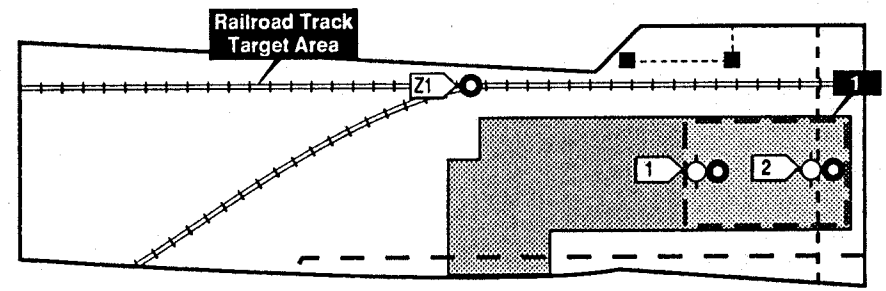
This Parcel Evaluation Plan (PEP) describes the proposed sampling strategy for Parcel 198 at NAS Alameda (Figure 6-198-1). The parcel, which is located in the southeast portion of the base, is 0.4 acres in size and is roughly square in shape. The parcel requires a low level sampling effort to meet the sampling objectives outlined in Section 1 of the Shell Workplan. No RCRA sites are located at this parcel. One parcel-specific and one zone-wide target investigation area (target area) have been identified on this parcel. Surface soil and subsurface Geoprobe soil sampling are the sampling procedures called for in the screening-level investigation. Table 6-198-1 provides the complete list of samples and analyses prescribed by this plan. This parcel-specific evaluation plan has been developed in accordance with Preliminary Endangerment Assessment requirements. To provide a basis for the proposed investigation of Parcel 198, historical activities are discussed below.

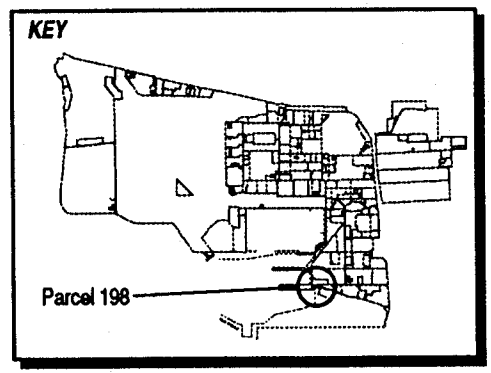
Background and Historical Activities

This subsection summarizes EBS information available for buildings, open spaces, and boundaries of Parcel 198, consistent with the objectives identified in Section 1 of the Shell Workplan. This subsection also identifies Installation Restoration Program sites and other areas of concern.

Past and present use of this parcel was determined from the non-intrusive investigation phase, which included site inspections, employee interviews, and a review of permits, historical records, and historical aerial photographs. This information was used to determine areas on the parcel where sampling was deemed necessary to delineate potential impacts of compounds of concern.

This parcel has been grouped into a zone with Parcels 161, 162, 165, 166, 167, 168, and 169. This parcel zone has been designated the Southeastern Recreational Zone (Zone 23). The Southeastern Recreational Zone encompasses the parcels that have historically been used for recreational activities. The parcels in this zone were considered as a whole during the evaluation. Sampling results from





LEGEND

- Target Area 1
- Fuel Lines in Use
- Storm Sewer Line
- Sewer Line
- Subsurface Geoprobe Sample Location
- Surface Soil Sample Location
- Catch Basin

1"= 60'

Magnetic
True North

Figure 6-198-1
Parcel Specific Sampling Locations
NAS Alameda, CA
ERM-West, Inc. 7'94
2121.90.10/DS/07.13.94

TABLE 6-198-1

Summary of Recommended Samples
NAS Alameda Parcel 198

Sample Number	Sample Depth	Sample Type	Sample Media	Sample Location	Chemicals of Concern	Target Analytes	Analytical Method
198-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Diesel, Oils	TPH	Modified EPA 8015
198-1-0-S-V-DDMMYY*	0.0-0.5'	Surface	Soil	Target Area 1	Diesel, Oils	TPH	Modified EPA 8015
198-1-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	TPH, Solvents	TPH, VOCs	Modified EPA 8015, EPA 8240
198-1-4-S-V-DDMMYY*	4.0'	Subsurface	Soil	Target Area 1	TPH, Solvents	TPH, VOCs	Modified EPA 8015, CLP RAS
198-2-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Diesel, Oils	TPH	Modified EPA 8015
198-2-4-S-S-DDMMYY	4.0'	Subsurface	Soil	Target Area 1	TPH, Solvents	TPH, VOCs	Modified EPA 8015, EPA 8240
Z23-1-0-S-S-DDMMYY	0.0-0.5'	Surface	Soil	Target Area 1	Creosote, Railroad Tie Tar, Fuels, Oils, PCBs	SVOCs, TPH, PCBs, lead	EPA 8170, Modified EPA 8015, EPA 8080, ICAP SCAN

* This is the suggested location for the confirmation sample. The actual location will depend on field analytical results.

adjacent parcels within the zone should be considered during future evaluations. Zone-wide considerations and potential zone-wide concerns are described in the Zone Analysis Plan for Zone 23.

Prior to 1942, the parcel area was completely inundated under San Francisco Bay. The parcel was completely filled between the dates of 1942 and 1946; the ground level and grading have not changed significantly since that time. Dredged material from the channel and turning basin was used as fill for the land are of this parcel. This fill material may have been impacted by hazardous compounds.

Review of historical aerial photographs indicate that this area were utilized for aircraft parking from 1947 through approximately 1953. The dock was constructed in 1953, and this area was utilized in association with the Marina at that time. In 1958 a boathouse and snack stand were constructed. In 1966, the building and parcel were developed to their present condition. Historical processes at this parcel likely consisted of aircraft storage, restaurant activities, and maintenance activities for the Marina's boats. No large-scale staining was noted in aerial photographs.

Currently, one building covers approximately 25 percent of the parcel. The remainder of the parcel (75 percent) is open space. The open space is mostly paved with asphalt. The parcel is presently used as a restaurant area (with associated parking), and a maintenance area for the Marina. Fuel and sewer lines are located on this parcel and are shown in Figure 6-165-1. Sampling associated with fuel and sewer lines is discussed in corresponding protocols presented in Section 3.

Parcel 198 is not located within 500 feet of any Installation Restoration (IR) Program sites. No previous investigations have been conducted at Parcel 198, and specific data regarding chemical occurrence at this parcel are not available.

Lead-based paint, most PCBs (see protocols in Section 3 for exceptions), radiological considerations, industrial hygiene concerns, and asbestos-containing materials on parcels will be addressed in other sampling programs and are not considered in this PEP.

Building 385

Building 385 was constructed in 1958 and has served as a support shop for the Marina since that time. The uses of the building include a restaurant, snack shop, and a boat house maintenance shop. This building is in good condition. The western half (which contains the restaurant) is constructed of wood frame and concrete. The eastern

half (which contains the boat repair area) is constructed of corrugated steel over a wood frame. The building is underlain by concrete and covers approximately 5,000 square feet. Utilities located within and immediately surrounding Building 385 include underground natural gas, sanitary sewer, storm sewer, steam, electrical, and fuel lines.

Pesticides are documented to have been used on a weekly basis from October 1992 through October 1993; however, pesticide application only occurred on the interior of buildings. Petroleum products (including oils, hydraulic fluid, and diesel fuel), and degreasers (including solvents containing VOCs) were noted to be stored in the boat maintenance area. Boat engines (which may contain residual oils or fuel) were also stored here. According to the operator, chemical storage at this area has been similar and continuous since the construction of the building. Minor staining was noted at the interior of the building. There are no documented spills inside this building. Chemical storage and use in Building 385 will be addressed by Target Area 1 in this PEP.

Building 385 is equipped with a heating-ventilation-air conditioning (HVAC) system on its west side. Heavy dust was noted at the ventilated areas in both portions of the building. In addition, the ventilation system in this building may have been impacted by past pesticide application. Peeling paint was noted at the building's interior and exterior areas.

Open Space

Over 75 percent of the parcel is open space. The open space is almost entirely paved with asphalt. Railroad tracks run east to west through the northern portion of the parcel. Utilities located within and immediately surrounding Building 385 include sanitary sewer, storm sewer, steam, electrical, and fuel lines.

The open space is presently in use as a parking area. A transformer and associated switches were observed at the southern property border. According to EBS information the transformer is a PCB-containing transformer. The transformer and switches are mounted on a concrete pad and are surrounded by a fence. A 5-foot by 5-foot oily stain was noted near the transformer. No other incidents such as fires, mishaps, flooding, or crashes are documented to have occurred within Parcel 198.

Underground Storage Tanks

No evidence of underground storage tanks has been identified at this parcel. Neither the document review nor the site inspection identified any information that indicated that any underground tanks are or may have been present at this parcel.

Parcel Boundary Conditions

Parcel 160 borders Parcel 198 to the north, and contains parking areas, an electrical substation, a sewage substation, and offices. Parcel 162 borders Parcel 198 to the east. Parcel 162 contains parking areas, a restaurant, and a boat maintenance shop. Parcel 198 is bordered to the south by the San Francisco Bay and to the west by Pier 3. Issues pertaining to surrounding parcels are addressed in the respective PEPs.

This parcel has potentially been impacted by waste disposal from the Pacific Coast Oil Company refinery (IR Site 13). Reportedly, some of the wastes generated by the refinery were disposed of in nearby former marshlands. Based on review of information contained in the *Data Summary Report RI/FS Phases 1 and 2A* prepared by PRC Environmental Management, Inc. and Montgomery Watson in August 1993 and discussions with the Navy IR contractors, it appears that soils underlying the subject property may be impacted by TPH and SVOCs. Migration of contaminants from the nearby IR sites (i.e., IR Sites 13 and 17) and/or RCRA units may also have impacted this parcel. If any of the continuing investigations at the nearby IR sites reveal a cause for concern at Parcel 198, then sampling on this parcel may be appropriate.

Parcel Reclassification and Data Gaps Summary

This subsection discusses data gaps and BRAC reclassification issues for Parcel 198, consistent with the objectives described in Section 1 of the Shell Workplan. A data gap as defined here is a parcel-specific issue for which there is a separate ongoing investigation, insufficient information, or no information, and that prevents a parcel from being reclassified from BRAC Category 7 to another BRAC category. The data gaps shown in Table 6-198-2 must be addressed before the parcel can be reclassified from BRAC Category 7 to another BRAC category. As indicated in Section 6, separate investigations are currently underway to address the following data gaps at this parcel: transformers, lead-based paint, asbestos, radiological concerns, and Installation Restoration Sites. Sampling associated with sewer lines is discussed in

TABLE 6-198-2

Summary of Data Gaps
NAS Alameda Parcel 198

Data Gap	Status/Description
Asbestos-Containing Materials (ACM)	• ACM issues are being addressed under a separate program.
Endangered Species	• No nesting or mating grounds or migratory routes for endangered species identified.
Industrial Hygiene (IH) Issues	• No industrial buildings are present at Parcel 198
Installation Restoration (IR) Sites	• IR Site 13 is located more than 500 feet northeast of Parcel 198. There are possible impacts from wastes reportedly disposed of from the former Pacific Coast Oil Company refinery.
Lead-Based Paint (LBP)	• LBP issues are being addressed under a separate program.
PCB-Containing Equipment	• Potentially PCB-containing electrical equipment is being addressed under a separate program.
Potential Groundwater Contamination Migration from Neighboring Parcels	• No evidence of potential groundwater contamination migration from neighboring non-IR parcels identified.
Potential Zone-Wide Release Areas	• Railroad Tracks.
Potential Parcel-Specific Release Areas	• Target Area 1 (Building 358).
Radiological Compounds	• Radiological compounds are being addressed under a separate program.
Underground Storage Tanks (USTs)	• No evidence of current or former USTs identified.

TABLE 6-198-2

Summary of Data Gaps
NAS Alameda Parcel 198

Data Gap	Status/Description
Underground Utilities	• Storm sewer, sanitary sewer, telephone, and electrical lines identified.
- Fuel Lines	• Underground fuel lines identified.
- Steam Lines	• Steam lines identified.
Wetlands	• No wetlands identified.
Other	• No evidence of other data gaps identified.

the corresponding protocols presented in Section 3. No Industrial Hygiene (IH) sampling is required for Parcel 198 because no industrial buildings are present.

As noted earlier, pesticides have been documented to have been applied to open spaces and within Building 385 on Parcel 198. Based on current EPA/Cal-EPA policy, landscaped and unpaved areas that likely received only normal pesticide applications do not require sampling for pesticides prior to lease or transfer. Only moderate-use areas (i.e., areas where vegetation was actively suppressed) and intensive-use areas (i.e., agricultural areas, blending, storage, or distribution areas, etc.) will be sampled for pesticides. Therefore, no pesticide sampling is required for Parcel 198.

Once the data gaps in Table 6-198-2 are addressed and screening-level sampling results from the target areas described below are compared to the appropriate screening levels, Parcel 198 may be reclassified from BRAC Category 7 to another BRAC category.

Target Areas and Compounds of Concern

This subsection of the PEP discusses specific parcel target areas. The nature and locations of these areas were evaluated to determine field investigation and sampling strategies. This parcel contains one parcel-specific target area and is also contained in one zone-wide target area. The discussion of the zone-wide target areas focuses on the zone-wide sampling proposed for this parcel. Detailed information regarding the zone-wide target area and the proposed sampling is provided in the Zone Analysis Plan for Zone 23. The following target areas were identified based on the potential release area described below and listed in Table 6-198-2.

- Target Area 1 (Building 385): This target area consists of the east half of Building 385, which contains approximately 3,000 square feet of area. Surface soils may have been impacted by previous solvent handling operations and storage of petroleum products. Samples to be collected in this target area are listed in Table 6-198-1.

- Zone 23 Target Area 1 (Railroad Tracks): Zone 23 Target Area 1 includes all current or former railroad tracks within the Southeastern Recreational Zone. The railroad runs through the northwestern portion of Parcel 198. One of the two samples proposed to be collected from this zone-wide target area is located on Parcel 198. The zone-wide target area sample that is located on Parcel 198 is listed on Table 6-198-1. This target area addresses the

possible presence of TPH, SVOCs, PCBs, and lead. The likelihood of environmental impacts having occurred within this target area is classified as potential. Samples that are located on Parcel 198 are listed in Table 6-198-1.

Screening-Level Investigation

Surface soil sampling (SOP 3) and subsurface Geoprobe soil sampling (SOP 14) are the screening-level techniques that will be employed to assess conditions in target areas and to identify areas that require further sampling in the follow-up detailed evaluation phase. One zone-wide and two parcel-specific surface soil samples, and two parcel-specific subsurface Geoprobe soil samples will be collected from the sample locations shown on Figure 6-198-1. Table 6-198-1 summarizes screening-level sampling and analysis for the parcel's target areas. Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

Detailed Evaluation Phase

The detailed evaluation phase of sampling is intended to more fully characterize the areas with confirmed elevated levels of compounds of concern identified during the screening-level investigation. This characterization will utilize some of the screening technologies discussed above on a higher density level as well as the following technologies not previously discussed: soil vapor sampling (SOP 6), HydroPunch groundwater sampling (SOPs 1 and 15), environmental air monitoring (SOP 22), and monitoring well groundwater sampling (SOPs 1, 2, 8, 9, and 10). Sampling will be conducted in accordance with the referenced SOPs in Appendix A, the screening-level and follow-up sampling protocols in Section 3, and the QA/QC guidelines in Section 4.

APPENDIX E

1994 ENVIRONMENTAL BASELINE SURVEY SUMMARY TABLES

(on CD)

PARCEL 134

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
134	163	- Plant services for A/C OH. - Map location: 30-S. - Building not apparent; may be agricultural.	Public Affairs, NAS/NADEP Alameda	11/26/34	MAA-224-77 7	JLR016, JLR012 (MAP LOCATION)
134	372	- Turboprop test cell (NADEP). - Map location: 30-T. - Building not apparent; may be agricultural.	Public Affairs, NAS/NADEP Alameda	11/26/34	MAA-224-77 7	JLR016, JLR012 (MAP LOCATION)
134	163	- Plant services for A/C OH. - Map location: 30-S. - Appearance of building on photo is unclear; appears agricultural.	Public Affairs, NAS/NADEP Alameda	5/3/40	Accordion folder #54 (NA 27)	JLR015, JLR012 (MAP LOCATION)
134	372	- Turboprop test cell (NADEP). - Map location: 30-T. - Building not apparent; appears agricultural.	Public Affairs, NAS/NADEP Alameda	5/3/40	Accordion folder #54 (NA 27)	JLR015, JLR012 (MAP LOCATION)
134	163	- Plant services for A/C OH. - Map location: 30-S. - Appearance of building on photo is unclear; appears agricultural.	Public Affairs, NAS/NADEP Alameda	July 1942	#3462 (NA 27)	JLR014, JLR012 (MAP LOCATION)
134	372	- Turboprop test cell (NADEP). - Map location: 30-T. - Building not apparent; appears agricultural.	Public Affairs, NAS/NADEP Alameda	July 1942	#3462 (NA 27)	JLR014, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
134	163	- Plant services for A/C OH. - Map location: 30-S. - Building apparent.	Pacific Aerial Surveys	3/24/47	AV-11-08-06	JLR011, JLR012 (MAP LOCATION)
134	372	- Turboprop test cell (NADEP). - Map location: 30-T. - Building not apparent; outside laydown area.	Pacific Aerial Surveys	3/24/47	AV-11-08-06	JLR011, JLR012 (MAP LOCATION)
134	163	- Plant services for A/C OH. - Map location: 30-S. - Building apparent.	Pacific Aerial Surveys	8/14/53	AVM-1010	JLR010, JLR012 (MAP LOCATION)
134	372	- Turboprop test cell (NADEP). - Map location: 30-T. - Building not apparent; appears under construction.	Pacific Aerial Surveys	8/14/53	AVM-1010	JLR010, JLR012 (MAP LOCATION)
134	163	- Plant services for A/C OH. - Map location: 30-S. - Building apparent.	Pacific Aerial Surveys	3/1/58	SF AREA-2-22	JLR009, JLR012 (MAP LOCATION)
134	372	- Turboprop test cell (NADEP). - Map location: 30-T. - Building apparent.	Pacific Aerial Surveys	3/1/58	SF AREA-2-22	JLR009, JLR012 (MAP LOCATION)
134	163	- Plant services for A/C OH. - Map location: 30-S. - Building apparent.	Pacific Aerial Surveys	7/25/63	AV-550-07-21	JLR008, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
134	372	- Turboprop test cell (NADEP). - Map location: 30-T. - Building apparent.	Pacific Aerial Surveys	7/25/63	AV-550-07-21	JLR008, JLR012 (MAP LOCATION)
134	163	- Plant services for A/C OH. - Map location: 30-S. - Building apparent.	Pacific Aerial Surveys	4/20/66	AV-710-8-28	JLR007, JLR012 (MAP LOCATION)
134	372	- Turboprop test cell (NADEP). - Map location: 30-T. - Building apparent.	Pacific Aerial Surveys	4/20/66	AV-710-8-28	JLR007, JLR012 (MAP LOCATION)
134	163	- Plant services for A/C OH. - Map location: 30-S. - Building apparent.	Pacific Aerial Surveys	9/8/70	AV-965-7-24	JLR006, JLR012 (MAP LOCATION)
134	372	- Turboprop test cell (NADEP). - Map location: 30-T. - Building apparent.	Pacific Aerial Surveys	9/8/70	AV-965-7-24	JLR006, JLR012 (MAP LOCATION)
134	163	- Plant services for A/C OH. - Map location: 30-S. - Building apparent.	Pacific Aerial Surveys	9/4/75	AVM-1014 (aka: AV-1215-7-23 / AV-1215-8-21)	JLR005, JLR012 (MAP LOCATION)
134	372	- Turboprop test cell (NADEP). - Map location: 30-T. - Building apparent.	Pacific Aerial Surveys	9/4/75	AVM-1014 (aka: AV-1215-7-23 / AV-1215-8-21)	JLR005, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
134	163	- Plant services for A/C OH. - Map location: 30-S. - Building apparent.	Pacific Aerial Surveys	1/2/81	AV-2050-07 -26	JLR004, JLR012 (MAP LOCATION)
134	372	- Turboprop test cell (NADEP). - Map location: 30-T. - Building apparent.	Pacific Aerial Surveys	1/2/81	AV-2050-07 -26	JLR004, JLR012 (MAP LOCATION)
134	163	- Plant services for A/C OH. - Map location: 30-S. - Building apparent.	Pacific Aerial Surveys	5/13/85	AV-2655-3-13	JLR003, JLR012 (MAP LOCATION)
134	372	- Turboprop test cell (NADEP). - Map location: 30-T. - Building apparent.	Pacific Aerial Surveys	5/13/85	AV-2655-3-13	JLR003, JLR012 (MAP LOCATION)
134	163	- Plant services for A/C OH. - Map location: 30-S. - Building apparent.	Pacific Aerial Surveys	4/30/90	K-AV-3817-1-6	JLR002, JLR012 (MAP LOCATION)
134	372	- Turboprop test cell (NADEP). - Map location: 30-T. - Building apparent.	Pacific Aerial Surveys	4/30/90	K-AV-3817-1-6	JLR002, JLR012 (MAP LOCATION)
134	163	- Plant services for A/C OH. - Map location: 30-S. - Building apparent.	Pacific Aerial Surveys	4/8/92	AVM-1011	JLR001, JLR012 (MAP LOCATION)
134	372	- Turboprop test cell (NADEP). - Map location: 30-T. - Building apparent.	Pacific Aerial Surveys	4/8/92	AVM-1011	JLR001, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
134	- In 1947, building 163 is present. Parcel 134 appears to be used for storage and parking. Ninth Street runs N and S down the middle of the parcel. Rail line intersects the NW corner.	Pacific Aerial Surveys			JLR073

NAS/NADEP ALAMEDA
Air Quality Permit

Parcel	Location	Emission Source #	Emission Source Type	Period of Use	Fuel/Chemical Use	Reference
134	Building 163				Permits issued for abrasive blasting, freon recovery / recycling.	BBK014
134	Building 372				Permits issued for turbine engine testing, solvent cleaning.	BBK014

NAS/NADEP ALAMEDA
Asbestos

Parcel	Location	Survey?	Asbestos?	Friable?	Location of Asbestos	Remarks	Reference
134	163, 372	No		Unknown	- Underground steam lines are accessible. - Some lateral lines to buildings 163, 372, 169, 170 have exposed insulation. - Photo 6-7-13.	- Presence or absence of asbestos is unknown.	BBK802
134	Building 372	No		Unknown	- Possible asbestos in fabric material wrapped on steam pipes.	- Presence or absence of asbestos is unknown.	ASC3001
134	163 / Plant Services for A/C OH	No	Yes	Unknown		- Visual inspection only.	BBK006
134	372 / TurboProp Test Cell (NADEP)	No	Yes	Unknown		- Visual inspection only.	BBK008
134	414 / Hazardous / Flammable Storage	No	Yes	Unknown		- Informal assessment; no supporting evidence.	BBK007

NAS/NADEP ALAMEDA
Asbestos Removal/Renovation

Parcel	Location	Renovation/ Removal?	Date Done	Description	Reference
134	Building 163	Yes		- Insulation on piping wrapped and/or transite encapsulated. - Date done is unknown.	BBK011
134	Building 372	Yes		- Insulation on piping wrapped and/or transite encapsulated. - Date done is unknown.	BBK011

NAS/NADEP ALAMEDA
Building Information

Parcel	Location	Date Constructed	Sq Footage	Type of Construct.	Use	Applicable Date	Remarks	Reference
134	372	1953	18,513	Concrete floors and walls, tar/gravel roof	Engine testing, plant services for aircraft overhaul; engine test cell		Building has lube/oil systems, jet fuels, and exhaust from jet fuels.	DB003, DB004
134	414	1957	1,640	Concrete floors, metal walls, metal roof	Hazardous materials storage (NARF)		Outside of 414: compressed gas storage	DB003, DB004
134	107	1940	5,591	Temporary	Cafeteria	2/25/65	Demolished	DB005
134	163	1939	12,156	Combination brick & metal structures with concrete floor, composition roof	Plant services for aircraft overhaul, maintenance, garage		First building on base.	DB003, D004
134	372, 397				Test cells	1/66		EMC257

NAS/NADEP ALAMEDA
Building Inspection

Parcel:	Location:	Reference:
134	Building 163, Maintenance	DET200

Building Description
- Built 1939, brick building with concrete floor
- An "add on" is the welding shop area, has metal and asphalt floor, metal walls
- In addition to welding is a calibration area, machine shop area, workbench area, offices, parts storage
- It has been a maintenance facility since late 1940s
- Truck farm before made part of base
- Concrete floor is in poor condition in throughout

Evidence of chemical storage/use and location within building
- Chemical storage in welding shop and machine shop areas.

Other Issues

Parcel:	Location:	Reference:
134	Building 372	ASC3001

Building Description
- Concrete building with concrete floors and composite (asphalt) roof.
- Formerly used to test aircraft enfines, now partially used for storage.

Evidence of chemical storage/use and location within building
- Chemicals used when testing engines.
- Included fuels and lubricants.

Other Issues
- Asbestos covered piping throughout building.

Parcel:	Location:	Reference:
134	Building 372 - 1st floor, W end	ASC3001

Building Description
- Concrete floor with lube oil systems on N and S walls, 40 ft. from W wall.

Evidence of chemical storage/use and location within building

NAS/NADEP ALAMEDA
Building Inspection

Other Issues

Parcel:	*Location:*	*Reference:*
134	Building 372 - 2nd floor room NE of W end room	ASC3001

Building Description	*Evidence of chemical storage/use and location within building*
- Concrete room has lube oil system on W end that has been abandoned.	

Other Issues

Parcel:	*Location:*	*Reference:*
134	Building 372 - 2nd floor, W end room	ASC3001

Building Description	*Evidence of chemical storage/use and location within building*
- Concrete room with fueling and oiling systems on N and S sides. - Equipment not being used at present.	- Fuel and oil were brought into room from piping system.

Other Issues

Parcel:	*Location:*	*Reference:*
134	Building 372 -Control room, E side 2nd floor	ASC3001

Building Description	*Evidence of chemical storage/use and location within building*
- Control room, used in past to control operation of aircraft engines being tested in either of two test cells.	- All electronic equipment in this room.

Other Issues

NAS/NADEP ALAMEDA
Building Inspection

Parcel:	Location:	Reference:
134	Building 372 - extension midway on S wall	ASC3001

Building Description	Evidence of chemical storage/use and location within building
- Sheet metal shed with 2 doors, one on S side, one on W side. - Used to store electrical equipment.	

Other Issues

Parcel:	Location:	Reference:
134	Building 372 - N Test Cell	ASC3001

Building Description	Evidence of chemical storage/use and location within building
- Concrete floor and walls - Sumps on E side of test cell that are supposedly capped off. - Presently used for storage of parts.	- No chemicals presently being used, fuels and lubricants used in past.

Other Issues

Parcel:	Location:	Reference:
134	Building 372 - S Test Cell	ASC3001

Building Description	Evidence of chemical storage/use and location within building
- Concrete floor and walls. - Sumps on E side of test cell that are supposedly capped off. - Presently used for gearbox testing - Formerly used for engine testing.	- 55 gal. drum of cleaning compound, fuels and lubricants probably used in the past.

Other Issues

NAS/NADEP ALAMEDA
Building Inspection

Parcel:	Location:	Reference:
134	Building 414	ASC3001

Building Description
- Steel framed building with steel walls and roof, concrete floors.
- N compartment is used to store cleaning and stripping material
- 2nd from N compartment is used to store abrasive blast media
- 2nd from S compartment used to store packing material and abrasive blast media
- S compartment used to store paints and solvents. All floors are dusty and dirty.
- Spots move when rubbed with shoe.

Evidence of chemical storage/use and location within building
- Chemicals stored in entire building.
- Berm in N-most compartment separates alcohol and release coating from other material.

Other Issues

NAS/NADEP ALAMEDA
Chemical Inventory

Parcel	Location	Chemical Types	Quantities Stored	Uses and Mgmt Practices	Applicable Date	Reference
134	Building 163, Calibration Shop and Welding Shop Areas	1. Welding flux 2. Alcohol 3. Gasoline 4. Lubricant 5. Varnish 6. Acetone	1. 1-gal. 2. 1/2-gal. 3. 10-gal. 4. 2-gal. 5. 1/2-gal. 6. 1/2-gal.	- Workers access chemicals from storage cabinets on an as-needed basis.	6/1/94	DET200
134	Building 163, Machine Shop Area	1. Oil 2. Grease 3. Alcohol 4. Floor compound / coating (varnish like) 5. Contact cement	1. 10-gal. 2. 3-gal. 3. 2-gal. 4. 4-gal. 5. 1-gal.	-Workers access chemicals on an as-needed basis from the storage cabinets.	6/1/94	DET200
134	Building 372 - Between Test Cells, E side	1. Nonhalogenated organic	1. 300-gal.	1. Aircraft oil stored on pallets throughout E side.	6/1/94	ASC3001
134	Building 414	1. FO-606 paint stripper 7. Dow Corning 1-2531 Release Coating 2. Ammonium hydrogen fluoride 8. Isopropanol 3. Caustic soda 9. Plastic and garnet abrasive 4. Caustic potash 10. Aluminum Oxide grit 5. Turco 4181-L 11. Plastic packing material 6. Turco 6778 12. Nonhalogenated organic	1. 500-gals. 7. 450-lbs. 2. 150-gals. 8. 135-gals. 3. 1200-lbs. 9. 15,000-lbs. 4. 200-gals. 10. 300-lbs. 5. 1200-lbs. 11. 20 boxes 6. 1000-lbs. 12. 300-gals.	1.-8. N-most compartment 9. 15,000 lb. - stored on pallets on floor, second compartment from N. 10.-11. On floor on pallets, second compartment from S. 12. Paint and solvent stored on pallets and on shelves, S-most compartment - Materials stored on pallets - No containment - Berm on floor separates 1.-6. from 7.-8.	6/8/94	ASC3001

NAS/NADEP ALAMEDA
Chemical Inventory

Parcel	Location	Chemical Types	Quantities Stored	Uses and Mgmt Practices	Applicable Date	Reference
134	Fenced area between buildings 163 and 414	- Petroleum products	- Approximately 1200 gal.	- Dispensing tanks used drip trays underneath spouts. - Drip trays appeared to need emptying. - Spillage of trays was noted. - Entire storage area bermed and had an emergency oil spill sump drain on the E side of the fenced area which leads to a 4,000 gal. underground tank on parcel 143. - Photos 6-7-4,5,7	5/9/94	BBK805, BBK806
134	Fenced area of building 170	- Paint, (spray paint, solvent based)	- Approximately 40-50 gal.	- Storage locker; kept for use by packaging activity outdoors. - Photo 6-7-14	5/9/94	BBK802
134	163	METALS, CORROSIVES, PETROLEUM PROD, HALOGENATED ORGANICS, PAINT , NON HALOGENATED ORGANICS	1600 GALLONS			EMC001

NAS/NADEP ALAMEDA
Hazardous Waste

Parcel	Location(s)	Hazardous Waste?	Type/Quantity	Description	Applicable Dates	Reference
134	Adjacent to building 372	Yes	- Unknown. Fuel recovery treatment unit not operational at time of site inspection. - Waste oils, JP-5 and combustible - Sump / possible oil/water separator contained unknown amount of oily product - Photo 6-7-11	- Storage and/or treatment - This needs clarification as to the process	5/9/94	BBK805, BBK807
134	Building 372 - GAP site 61	Yes	1. Paper products contaminated with oil, 55 gal. 2. Aerosol cans,165 gal. 3. Adhesive product material, 10 gal.	- Workers bring waste to GAP site at the end of each work day. - Gap site personnel remove the waste from the building.	6-1-94	DET200
134	Fenced area of building 170	Yes	- Varies. During site inspection, 2 packaging foam drums with their residues were being stored in the hazardous waste accumulation area. - Four pallets of deteriorated sandbags were observed. - Cause of deterioration unknown.	-Storage and empty containers; management practices unknown - Photo 6-7-15	5/9/94	BBK802
134	GAP site #59 - fenced area between buildings 163 and 414	Yes	- Varies. During site walk, 5 drums of various waste lube oils (250-gal.) were waiting to be pumped out.	- Storage only, waste held for maximum of 60 days. - No labels detailing the accumulation start dates were found on the drums.	5/9/94	BBK805, BBK806
134	163	Yes	PETROLEUM PROD, METALS, NON HALOGENATED ORGANICS/365 GAL		1993	EMC204, EMC006
134	372	Yes	Paint, non-halogenated organics, petroleum products, metals/500 gal.		2/24/93	EMC204, DB016, EMC006

NAS/NADEP ALAMEDA
Historical

Parcel	Location(s)	Subject(Historical building, Indian ruins,etc.)	Remarks	Reference
134	Area E of Pier 1	Fill material.	This area was filled with material taken from the channel and turning basin associated with the construction of Pier 3. Fill material potentially contaminated.	EMC217
134	163	Borax Works located on the site formerly.	163 is the only building remaining as part of the original Borax Works.	EMC217
134	Airfield	On 12/2/30, US Army acquired site from the city.	Site named Benton Field.	BBK009

NAS/NADEP ALAMEDA
Interview

Parcel	Location(s)	Name of Interviewee	Information	Reference
134	163, 372	--Daniel Wentz - Building 163 - 28 years experience - 263-8925	- In 1983-1984, fuel leak W of building 372 overwhelmed oil/water separator; a "lake of fuel" existed on Ninth St. Cleanup and containment was immediate. - Building 163 is the oldest building on base, built in 1939. Was a former fruit packaging company.	BBK805
134	Bldg. 372	- Luanne Tetrick, NADEP, Facility Manager (510) 263-8966 Bldg. 162, Rm. 215 12 years service with NADEP, responsible for long-term bldg closure planning	- Test cell emissions would travel out of stacks and drop black grit/water on to cars and pavement around building.	EMC1029
134	Bldg. 372	- Randy Cate, Environmental Coordinator (510) 263-3716 Bldg. 1 4.5 yrs. at NADEP, 8.5 yrs. at NAS Alameda, manages env. compliance prog.	- Historically, PCB-containing fluid was sprayed on the perimeter road for weed control. - Historically, a JP-5 fuel line leaked.	D036
134	372	Roger Caswell, bldg 5, code 612, 263-6241	- In the SW corner of this building a leaking fuel line was found. 4,000 gal. of JP-5 was pumped out of the ground. - In addition, a 6,000-gal. underground storage tank at the NW corner of building 372 collects gear oil and is now full. It has overflowed in the past. Soil work needs to be done in this area.	BBK042
134	NADEP Building 372, 414	Elizabeth Berman 263-7179	No lead paint used or disposed at NADEP since lead paint was prohibited No lead remediation or abatement at NADEP No lead testing at NADEP	EMC221, EMC224

NAS/NADEP ALAMEDA
IR

Parcel:	Location:	Reference:
134	East of Seaplane Lagoon	KMT002

Describe source of contamination, including chemicals.	Describe Contamination
Not available from reference. (Potential contamination migration from IR site)	Part or all of parcel is in a ground water operable unit.

Describe Status of Investigation/remediation
N/A from reference

Parcel:	Location:	Reference:
134	East of Seaplane Lagoon	KMT003

Describe source of contamination, including chemicals.	Describe Contamination
Not available from reference. (Potential contamination migration from IR site)	Exact boundary of operable unit in unknown. Sampling has not occurred to define boundary.

Describe Status of Investigation/remediation
N/A from reference

NAS/NADEP ALAMEDA
Miscellaneous Information

Parcel	Location	Subject	Remarks	Reference
134	Pier 3, Avenue N & 9th Street	RR Tracks	Pier 3 has 6 tracks - 3 north side, 3 south side and one crossover track. 4 tracks turn NE at the E end of the Pier and end in P-160 just west of Bldg. 447. One of the Pier 3 south side tracks turns NE at the east side of the Pier 3, cuts the NW corner of P-161 and crosses P-198 to meet another Pier 3 track along the south side of Avenue N. One of the Pier 3 north side tracks runs east along the S side of Avenue N along the parcel line touching parcels 160, 198, 163, 159, 160, 150. At the SW corner of parcel 150 this track turns NE brushing the east side of P-202 and then turning N to Avenue M and 9th Street. As this track travels along the 9th Street, a short branch leaves toward the NE and ends on the N side of Avenue L, south of Bldg. 164. At this branch the 9th Street track splits into two and the two tracks travel N along both sides of the street, and junctions in parcel 134 exactly south of 97D and 97E. There is no cross over track that crosses 9th Street in parcel 134 between P-164 and P-142.	EMC256
134	Atlantic Avenue, Avenue H & Parking Area	RR Tracks	Tracks from P-123 enters the 127 and 128 running NW/SE along the common parcel line. This track cuts the west tip of parcel 131 and breaks into two tracks one that turns SSW to the SW corner of P-137. The other that turns east in parcel 134 to a junction south of 97C (exactly south).	EMC256
134	Atlantic Avenue, Main Street	RR Tracks	The junctions in Parcel 134 consolidate into one track which heads W along the S side of Atlantic Avenue and the S side of the East Gate. The track splits into two at the East Gate, one continuing E along the S side of Atlantic Avenue and one crossing the street to the NE corner of Atlantic and Main and traveling N along the E side of Main Street to the former Todd Shipyard.	EMC256

NAS/NADEP ALAMEDA
Oil/Water Separator

Parcel	Location(s)	Detailed Location	Applicable Date(s)	Description	Reference
134	Building 372	- W side of test cells	6/14/94	- Oil/water separator used to separate jet fuel, lubricating oils from water - Frequency of service is unknown.	ASC3001
134	W of Building 372	- Outside main entrance to building	5/9/94	- Collects run-off / excess from adjacent above ground tanks.	BBK805
134	Bldg 372	UNKNOWN	UNKNOWN	UNKNOWN FROM REFERENCE	DB024

NAS/NADEP ALAMEDA
Open Space Survey

Parcel:	Location:									
134	All open space of parcel 134 except area near building 372	Material Storage Yes Wash Down Yes Vehicle Parking Yes	Outdoor Repair No Training No Drum Storage Yes	Equipment Parking Yes Disposal No Recreational No	Is this open space developed? Yes Other Roadway					

Stains	Ground cover	Describe use	Reference:
- Paint stain W of building 414 (20 ft. by 4 ft.) (photo 6-6-23) - Typical stains associated with vehicle parking - Spill under forklift: S of building 170	- 90 percent asphalt (broken and patched in various areas), 10 percent concrete.	- Uses range from chemical / hazardous waste storage, maintenance vehicle parking to roadway. - Fenceline of parcel 142 is large hazardous waste storage area; possible contamination migration. - Fenceline of parcels 147, 141, 140, 164, 137, 200, 135, 131, 133 and 143 is roadway, warehouse and open area. - Railroad tracks are located throughout parcel. - Monitoring well: NW of building 414 (photo 6-6-20) - Fenced area N of building 414: compressed gas storage area, currently empty. Sanitary sewer manhole inside fenced area. (photo 6-6-21, 22) - Steel plates W of building 163: possible underground tanks (photo 6-6-24) - Unknown vault SW of building 360 (photo 6-6-25) - SW of building 163: possible sumps or oil/water separator (photo 6-7-2) - Steam lines: accessible - Chemical storage area and GAP site number 59; also, hoses once used (1.5 years ago) to transfer liquids (oils, solvents, etc.) are stored outside in this area; - Unknown electrical equipment in NW corner of parcel (photo 6-7-20) - Fenced yard N of building 170: hazardous material cabinet, 2 drums of hazardous waste.	BBK805, BBK806, BBK807

Are there drains in the area? Yes *Goes Where* - Rainwater run-off would be collected; outfalls unknown.

NAS/NADEP ALAMEDA
Open Space Survey

Parcel:	Location:	Material Storage	Outdoor Repair	Equipment Parking	Is this open space developed?
134	Area around building 372	No	No	No	Yes
		Wash Down: No	Training: No	Disposal: Yes	Other: Roadway
		Vehicle Parking: No	Drum Storage: No	Recreational: No	

Stains	Ground cover	Describe use	Reference:
- None	- 100 percent asphalt (OK)	- Area is used mainly as above ground tanks and underground tanks which collect waste oils from building 372. - Adjacent open space is primarily roadway - Above ground tanks W of building 372 - Abandoned underground tanks W of building 372 - Sandblast grit SW corner of building 372	BBK805, BBK806, BBK807

Are there drains in the area? Yes **Goes Where** - Rain water run-off: outfall unknown.

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
134	UST 372	Photo # X-1-15 - Photographed by Bill Spong, ERM-Sacramento. - S side of building 372, facing N	- Underground storage tank location	DB100
134	UST 163	Photo # X-1-16 - Photographed by Bill Spong, ERM-Sacramento. - Between building 414 and 163, N side facing S	- Underground storage tank location	DB100
134	Building 163	Photo # 1-23-33 - Machine shop - 30 ft by 50 ft area - NW corner, from NW	- Stain - 25 percent of floor black - Concrete poor	DET200
134	Building 372	Photo # 1-31-9 - S side of building - Facing N	- 500 KvA -4160-208/120V 242 gal. transformer	AC001
134	Building 372	Photo # 1-31-10 - W side of building - Facing E	- Oil/water separator	AC001
134	Building 163	Photo # 1-23-34 - Building 163	- Exterior	DET200
134	Building 372	Photo # 1-23-35 - 50 ft. from W entry against wall.	- GAP site 61.	DET200
134	Building 372	Photo # 1-24-2 - S test cell - Facing S	- Sumps	ASC3001
134	Building 372	Photo # 1-24-3 - N test cell - Facing N	- Sumps	ASC3001
134	Open space	Photo # 6-6-19 - Looking E toward E gate	- Natural gas line access area	SDG001
134	Open space	Photo # 6-6-20 - Looking E toward E gate	- Monitoring well	SDG001

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
134	Open space	Photo # 6-6-22 - Looking E - Adjacent to building 414	- Compressed gas storage area (close-up view)	SDG001
134	Open space	Photo # 6-6-23 - Looking E - Adjacent to building 414	- Paint staining in front of storage shed	SDG001
134	Outside Building 163	Photo # 6-6-24 - Looking E - Adjacent to building 163	- Unknown vault; possible underground tank	SDG001
134	Open space	Photo # 6-6-25 - Looking E - Adjacent to compressed gas storage area	- Unknown vault	SDG001
134	Open space	Photo # 6-7-1 - Looking S - Adjacent to building 372	- Waste combustible liquid oil and JP-5 and combustible NA 1993	SDG001
134	Outside 372	Photo # 6-7-10 - Dirt area located on NW corner of building 372	- Red sandblast grit	SDG001
134	Outside 372	Photo # 6-7-11 - Dirt area located on NW corner of building 372	- Fuel recovery system	SDG001
134	Outside 170	Photo # 6-7-12 - S edge of building 170	- Oily stain under forklift	SDG001
134	Outside 169	Photo # 6-7-13 - NW corner of building 169	- Unknown type of insulation around steam line; probably fiberglass	SDG001
134	Outside 170	Photo # 6-7-14 - Fenced yard N of building 170	- Hazardous materials storage locker - paint storage	SDG001
134	Outside 170	Photo # 6-7-15 - Fenced yard N of building 170	- Packaging foam drums - Considered hazardous waste - Contains residues - Not labeled as hazardous waste	SDG001
134	Fenced yard of building 170	Photo # 6-7-16 - Fenced yard N of building 170	- Deteriorated sandbags	SDG001

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
134	Fenced yard of building 170	Photo # 6-7-17 - Fenced yard N of building 170	- Sawdust collection bin	SDG001
134	Open space	Photo # 6-7-2 - Wash down area outside building 414 - W side of building 414	- Oil/water separator and storm drain	SDG001
134	Open space	Photo # 6-7-3 - W side of building 372	- Underground tank - contents unknown	SDG001
134	Open space	Photo # 6-7-4 - GAP site #59 - Building 414 - N view	- Lube oil storage area	SDG001
134	Open space	Photo # 6-7-5 - GAP site #59 - Building 414 - W view	- Lube oil storage area	SDG001
134	Outside 414	Photo # 6-7-6 - GAP site #59 - Building 414 - W view	- Staining in GAP site #59 under lube oil storage	SDG001
134	Outside 414	Photo # 6-7-7 - GAP site #59 - Building 414 - E view	- Lube/hydraulic oils	SDG001
134	Outside 414	Photo # 6-7-8 - Drum storage area adjacent to building 414	- Waste vacuum pump and lube oils	SDG001
134	Outside 414	Photo # 6-7-9 - Drum storage area adjacent to building 414	- Emergency oil spill sump drain (goes to 4,000 gal. underground tank on parcel #143).	SDG001

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
134	Open space	Photo # 6-7-20 - Far N side of parking lot	- Unknown type of electrical equipment	SDG001

NAS/NADEP ALAMEDA
RFA

Parcel:	Location:	Reference:
134	372	DB024

Describe source of contamination, including chemicals.	Describe Contamination
The fuel spill site has been added to the RCRA Corrective Action program.	soil and/or groundwater contamination: unknown from reference

Describe Status of Investigation/remediation

NAS/NADEP ALAMEDA
Spills and Incidents

Parcel	Location	Type of Incident	Date of Incident	Chemicals Involved	Amounts Spilled or Released	Cleanup, If Done	Reference
134	Outside area	- Spill/leak	Various	- Probably lube/motor oil.	- Typical stains associated with vehicle parking (photo 6-6-10).	- Unknown.	BBK802
134	Adjacent to building 414	- Spill	- Unknown	- Paint	- Amounts unknown - Asphalt was overspray staining from past paint operations.	- None	BBK802
134	Building 163, Machine Shop Area	- Stain	- Unknown	- Unknown	- 25% of machine shop (1500 sq ft: 30 ft. by 50 ft. portion of NW corner of building) - Photo 1-23-33 - Black, medium intensity, concrete floor in poor condition.		DET200
134	Building 372 - N Test Cell	- Stains	- Unknown	- Probably aviation fuels and lubricants	- 80% of floor is stained	- No clean up	ASC3001
134	Building 372 - NW corner outside	- Sandblast grit spill	- Unknown	- Red (garnet?) sandblast grit	- Approximately 5 lbs. spilled onto soil - Photo 6-7-10	- None	BBK802
134	Building 372 - S Test Cell	- Stains	- Unknown	- Probably aviation fuels and lubricants	- 80% of floor is stained	- No clean up	ASC3001
134	Building 372 - W end, 2nd floor	- Stains	- Unknown	- Probably aviation fuels and lubricants	- 20% of floor is stained	- No clean up	ASC3001
134	Building 414 - fenced area - GAP site #59	- Staining	- Unknown	- Lube oils, non-flamable oils	- GAP site #59 has extensive staining and etching from the storage of lube oils over time. - Surface is concrete. - Photo 6-7-6	- No clean up known.	BBK802

NAS/NADEP ALAMEDA
Spills and Incidents

Parcel	Location	Type of Incident	Date of Incident	Chemicals Involved	Amounts Spilled or Released	Cleanup, If Done	Reference
134	S edge of Building 170	- Oily stain	- Unknown	- Unknown - possibly petroleum oils	- Unknown - approximately 4 ft. by 5 ft. on asphalt - Photo 6-7-12.	- None	BBK802
134	W side of building 372	- Fuel leak	- 1983-84	- Probably JP-5	- Approximately 100-200 gal.	- Accomplished immediately	BBK805
134	Bldg. 372	Pinhole leak in Fuel line		JP-5	unknown	None specified.	BBK002
134	Bldg. 372	spill	5/29/92	Aviation fuel or JP-4. Originally thought to be JP-5.	3,000 gallons	2,251 gal free product and 864 gal water pumped out. Spill area was back filled with soil.	DB018
134	SW corner of Facility 372	Fuel spill	N/A from reference	Type of fuel unknown	N/A from reference	N/A from reference	KMT002
134	NW corner of bldg. 372	UST overflowing	unknown	gear oil	unknown	soil removal needs to be accomplished. RCRA action.	BBK042

NAS/NADEP ALAMEDA
Underground Storage Tanks

Parcel	Location	Storage Tank Size (Gallons)	Date Applicable	Type of Tank	Materials Stored	Remarks	Reference
134	W of building 372	Unknown	5/9/94	Unknown	Waste oils / fuels	- Abandoned underground tank, not scheduled for removal in 1994. - Photo 6-7-3.	BBK805, BBK807
134	W of building 372	~ 100	5/9/94	Double-wall steel	Waste, combustible liquid, oil, JP-5	- Tank is used to hold waste fluids from building 372. - A possible sump is N of tank. - Tank is covered by corrugated steel roof. - Photo 6-7-1.	BBK806, BBK807
134	372	6,000	10/14/93	Unknown	JP5 fuel	- Scheduled to be removed 1994. - Status: abandoned	DB002
134	# 372 NADEP	6,000	7/24/93,1953	Single-wall steel, unlined	Jet fuel	- Installed in 1953. - Emptied on 11/20/89.	EMC002
134	163	Unknown	10/14/93	Unknown	Unknown	- Scheduled to be removed in 1994. - Status: abandoned	DB002

NAS/NADEP ALAMEDA
Title Search

Parcel	Location	Issues of Concern/Remarks	Transfer Information and date	Reference
134	Center of parcel	Joint use of trackage from Southern Pacific, 1953 Navy NF(R) - 47298		DB008
134	Most of NAS maps #3, 4, 5		1072.03 acres from War Department by Executive Order #7467. 1936	DB008
134	SE portion of Base	Utilities easement reserved in civil 23109, 1944. Location unknown.	154.60 acres from Louis M. MacDermot in Civil Action # 23109 1944	DB008

NAS/NADEP ALAMEDA
Transformers

Parcel	Location	Transformer#	Size	Date Applicable	PCB's ?	PCB Class	Remarks	Reference
134	Building 372 -- S side	Unknown	500 kVA	6-1-94	Unknown		- 4160V-208/120. - 242 gal. oil. - Presence or absence of PCBs is unknown.	ASC3001
134	Building 372, S side of building	Unknown	500 kVA, 4160-208/120	6/15/94	Unknown		- 242 gal. liquid. - Presence or absence of PCBs is unknown.	ASC100
134	S of building 372	Unknown	Unknown	Unknown	Unknown		- Presence or absence of PCBs is unknown.	DB012

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
134	N of Bldg. 170, along E-W axis	DB015

Utility Type	Description
Fuel line.	

Potential for Contamination
Water filled. Possible contamination; fuel lines are not integrity tested.

Parcel:	Location:	Reference:
134	Bldg. 372 and west of bldg. 372	DB015

Utility Type	Description
Fuel line.	

Potential for Contamination
Water filled. Possible contamination; fuel lines are not integrity tested.

Parcel:	Location:	Reference:
134	N of Bldg. 170, along E-W axis	DB015

Utility Type	Description
Fuel line.	Proposed location of a new fuel line south of existing fuel line.

Potential for Contamination
Possible contamination; fuel lines are not integrity tested.

Parcel:	Location:	Reference:
134	east of Seaplane lagoon	BBK328, BBK044

Utility Type	Description
Steam and Condensate System	In Phase III work, these lines were replaced: main distribution line, beginning at northwest corner of parcel 138, one branch goes west to bldg 14, another branch goes south to bldg 64. At manhole #120, southwest of bldg 14, a branch goes east to northeast

NAS/NADEP ALAMEDA
Utilities Report

	corner area of bldg 372.
Potential for Contamination	
These old asbestos-covered steam lines were thought to have been replaced entirely with calcium silicate lines; but there is no supporting evidence.	

Parcel:	***Location:***	***Reference:***
134	372, 163	BBK329, BBK044
Utility Type		***Description***
Steam and Condensate System		Lateral line off of main distribution line at southwest corner of bldg 163 which runs east-west to northern edge of bldg 372.
Potential for Contamination		
Asbestos-covered steam line.		

Parcel:	***Location:***	***Reference:***
134	163	EMC307
Utility Type		***Description***
Sanitary sewers		Lines flow NW to main pump N of parcel 022.
Potential for Contamination		
Yes. Potentially from building 163.		

Parcel:	***Location:***	***Reference:***
134	372	EMC307
Utility Type		***Description***
Sanitary sewers		Line flows NW to main pump N of parcel 022.
Potential for Contamination		
Yes. Potentially from building 372.		

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
134	360	EMC306, EMC307

Utility Type	Description
Sanitary sewers	Line flows NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from building 360.

Parcel:	Location:	Reference:
134	530	EMC308

Utility Type	Description
Sanitary sewers	Line flows NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from building 530.

Parcel:	Location:	Reference:
134	410	EMC308

Utility Type	Description
Sanitary sewers	Line flows NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from building 410.

Parcel:	Location:	Reference:
134	167	EMC308

Utility Type	Description
Sanitary sewers	Lines flow NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from building 167.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
134	166	EMC308

Utility Type	Description
Sanitary sewers	Lines flow NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from building 166.

Parcel:	Location:	Reference:
134	14	EMC307

Utility Type	Description
Sanitary sewers	Lines flow NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from building 14.

Parcel:	Location:	Reference:
134	Area 37	EMC308

Utility Type	Description
Sanitary sewers	Lines flow NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from area 37.

Parcel:	Location:	Reference:
134	Cans area	EMC306, EMC307

Utility Type	Description
Sanitary sewers	Line flows NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from Cans area.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
134	547	EMC306; EMC307

Utility Type	Description
Sanitary sewers	Line flows NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from building 547.

Parcel:	Location:	Reference:
134	397	EMC308

Utility Type	Description
Sanitary sewers	Line flows NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from building 397.

Parcel:	Location:	Reference:
134	349	EMC307

Utility Type	Description
Sanitary sewers	Lines flow NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from building 349.

Parcel:	Location:	Reference:
134	Natural Gas System	BBK001

Utility Type	Description
Natural gas.	Supplied by PG&E through 2 mains.

Potential for Contamination
Several underground leaks have occurred with Class II and Class III lines.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
134	Natural Gas System	BBK001

Utility Type	Description
Natural gas.	Supplied by PG&E through 2 mains.

Potential for Contamination
Several underground leaks have occurred with Class II and Class III lines.

Parcel:	Location:	Reference:
134	97, 014, 397	BBK326

Utility Type	Description
Fuel lines	"In use" fuel lines drain from tanks at 97; one goes N to parcel 122 to join an abandoned fuel line; one goes W to sea plane ramp number 4 pier; one goes S to building 397; one continuous line covers all 3 piers and wharf area of parcel 155. Extensive branching occurs at the 281 tanks in parcel 138. Pier 3 branches E to tanks 342A and B.

Potential for Contamination
Possible contamination; fuel lines are not integrity tested.

Parcel:	Location:	Reference:
134	113	EMC316

Utility Type	Description
Industrial sewer	Flows NW to parcel 061 where it joins the sanitary sewer line to East Bay Municipal Utilities District (EBMUD).

Potential for Contamination
Yes. Potentially from building 113.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
134	162	EMC316

Utility Type	Description
Industrial sewer	Flows NW to parcel 061 where it joins the sanitary sewer line to East Bay Municipal Utilities District (EBMUD).

Potential for Contamination
Yes. Potentially from building 162.

Parcel:	Location:	Reference:
134	360	EMC316

Utility Type	Description
Industrial sewer	Flows NW to parcel 061 where it joins the sanitary sewer line to East Bay Municipal Utilities District (EBMUD).

Potential for Contamination
Yes. Potentially from building 360.

Parcel:	Location:	Reference:
134	414	EMC316

Utility Type	Description
Industrial sewer	Flows NW to parcel 061 where it joins the sanitary sewer line to East Bay Municipal Utilities District (EBMUD).

Potential for Contamination
Yes. Potentially from building 414.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
134	166	EMC316

Utility Type	Description
Industrial sewer	Flows NW to parcel 061 where it joins the sanitary sewer line to East Bay Municipal Utilities District (EBMUD).

Potential for Contamination
Yes. Potentially from building 166.

Parcel:	Location:	Reference:
134	372	EMC316

Utility Type	Description
Industrial sewer	Flows NW to parcel 061 where it joins the sanitary sewer line to East Bay Municipal Utilities District (EBMUD).

Potential for Contamination
Yes. Potentially from building 372.

Parcel:	Location:	Reference:
134	529	EMC316

Utility Type	Description
Industrial sewer	Flows to parcel 61 where it joins the sanitary sewer line to East Bay Municipal Utilities District (EBMUD).

Potential for Contamination
Yes. Potentially from building 529.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
134	410	EMC316

Utility Type	Description
Industrial sewer	Flows NW to parcel 61 where it joins the sanitary sewer line to East Bay Municipal Utilities District (EBMUD).

Potential for Contamination
Yes. Potentially from building 410.

Parcel:	Location:	Reference:
134	167	EMC316

Utility Type	Description
Industrial sewer	Flows NW to parcel 61 where it joins the sanitary sewer line to East Bay Municipal Utilities District (EBMUD).

Potential for Contamination
Yes. Potentially from building 167.

Parcel:	Location:	Reference:
134	459	EMC317

Utility Type	Description
Storm drains	Flows to outfall H.

Potential for Contamination
Yes. Potentially from building 459.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
134	284	EMC317

Utility Type	Description
Storm drains	Flows to outfall H.

Potential for Contamination
Yes. Potentially from building 284.

Parcel:	Location:	Reference:
134	118	EMC317

Utility Type	Description
Storm drains	Flows to outfall H.

Potential for Contamination
Yes. Potentially from building 118.

NAS/NADEP ALAMEDA
Wastewater Report

Parcel:	Location:	Is Industrial Wastewater Generated?	Reference:
134	Building 372 - 1st floor, W end room		ASC3001

Types of Wastewater
- 2 floor drains, 10 ft. W of door, one on N, one on S side of centerline.
- Industrial wastewater generatedf - possible.

Discharge flow drain line
- Destination of drains unknown.

Parcel:	Location:	Is Industrial Wastewater Generated?	Reference:
134	Building 372 - Boiler room, 2nd floor, N of W side of Control Room		ASC3001

Types of Wastewater
- 2 drains in boiler room.
- Possible boiler additives.
- Industrial wastewater generated - unknown.

Discharge flow drain line
- Destination of drains unknown.

Parcel:	Location:	Is Industrial Wastewater Generated?	Reference:
134	Building 372 - E end of room		ASC3001

Types of Wastewater
- 2 drains on center line of room, 25 ft. and 65 ft. from E roll up door.
- Industrial wastewater generated - possible.

Discharge flow drain line
- Destination of drains unknown.

Parcel:	Location:	Is Industrial Wastewater Generated?	Reference:
134	2 Pre-treatment sites (near Bldg. 522, 414), 5 pump stations	Yes	BBK001

Types of Wastewater
- Types: Not known from reference.
- 50,000 gallons handled daily.

Discharge flow drain line
- Primarily on E side of NAS. Wastewater pumped and piped under Oakland Estuary to EBMUD regional treatment plant (out near main gates).

PARCEL 138

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
138	Area 37	- A-building is visible that is twice as long as building 113. - Map location: 28 S, T.	Pacific Aerial Surveys	4/20/66	AV-710-08-28	BBK042, JLR007, JLR012 (MAP LOCATION)
138	37B-6	- Motor gasoline storage. - Map location: 28-T. - Area appears to be water.	Public Affairs, NAS/NADEP Alameda	11/26/34	MAA-224-77 7	JLR016, JLR012 (MAP LOCATION)
138	37B-7	- Lubricant storage. - Map location: 28-T. - Area appears to be water.	Public Affairs, NAS/NADEP Alameda	11/26/34	MAA-224-77 7	JLR016, JLR012 (MAP LOCATION)
138	37B-8	- Motor gasoline storage - Map location: 28-T. - Area appears to be water.	Public Affairs, NAS/NADEP Alameda	11/26/34	MAA-224-77 7	JLR016, JLR012 (MAP LOCATION)
138	37C-9	- Contaminated fuel storage. - Map location: 28-T. - Area appears to be water.	Public Affairs, NAS/NADEP Alameda	11/26/34	MAA-224-77 7	JLR016, JLR012 (MAP LOCATION)
138	37B-8	- Motor gasoline storage - Map location: 28-T. - Activity not clear on photo.	Public Affairs, NAS/NADEP Alameda	5/3/40	Accordion folder #54 (NA 27)	JLR015, JLR012 (MAP LOCATION)
138	37C-9	- Contaminated fuel storage. - Map location: 28-T. - Activity not clear on photo.	Public Affairs, NAS/NADEP Alameda	5/3/40	Accordion folder #54 (NA 27)	JLR015, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
138	37B-8	- Motor gasoline storage - Map location: 28-T. - Activity not clear on photo.	Public Affairs, NAS/NADEP Alameda	July 1942	#3462 (NA 27)	JLR014, JLR012 (MAP LOCATION)
138	37C-9	- Contaminated fuel storage. - Map location: 28-T. - Activity not clear on photo.	Public Affairs, NAS/NADEP Alameda	July 1942	#3462 (NA 27)	JLR014, JLR012 (MAP LOCATION)
138	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Activity in this area not clear on aerial photo.	Public Affairs, NAS/NADEP Alameda	July 1942	#3462 (NA 27)	JLR014, JLR012 (MAP LOCATION)
138	37B-6	- Motor gasoline storage. - Map location: 28-T. - Aboveground tanks not clear; Area 37: staging area.	Pacific Aerial Surveys	3/24/47	AV-11-08-0 6	JLR011, JLR012 (MAP LOCATION)
138	37B-7	- Lubricant storage. - Map location: 28-T. - Aboveground tanks not clear; Area 37: staging area.	Pacific Aerial Surveys	3/24/47	AV-11-08-0 6	JLR011, JLR012 (MAP LOCATION)
138	37B-8	- Motor gasoline storage - Map location: 28-T. - Aboveground tanks not clear; Area 37: staging area.	Pacific Aerial Surveys	3/24/47	AV-11-08-0 6	JLR011, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
138	37C-9	- Contaminated fuel storage. - Map location: 28-T. - Aboveground tanks not clear; Area 37: staging area.	Pacific Aerial Surveys	3/24/47	AV-11-08-06	JLR011, JLR012 (MAP LOCATION)
138	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging (aka: Area 37); staging W of building 168 and 170; also staging N of 170.	Pacific Aerial Surveys	3/24/47	AV-11-08-06	JLR011, JLR012 (MAP LOCATION)
138	37B-6	- Motor gasoline storage. - Map location: 28-T. - No tanks appear aboveground; Area 37: staging area; S area is stained with 1 plane apparent.	Pacific Aerial Surveys	8/14/53	AVM-1010	JLR010, JLR012 (MAP LOCATION)
138	37B-7	- Lubricant storage. - Map location: 28-T. - No tanks appear aboveground; Area 37: staging area; S area is stained with 1 plane apparent.	Pacific Aerial Surveys	8/14/53	AVM-1010	JLR010, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
138	37B-8	- Motor gasoline storage - Map location: 28-T. - No tanks appear aboveground; Area 37: staging area; S area is stained with 1 plane apparent.	Pacific Aerial Surveys	8/14/53	AVM-1010	JLR010, JLR012 (MAP LOCATION)
138	37C-9	- Contaminated fuel storage. - Map location: 28-T. - No tanks appear aboveground; Area 37: staging area; S area is stained with 1 plane apparent.	Pacific Aerial Surveys	8/14/53	AVM-1010	JLR010, JLR012 (MAP LOCATION)
138	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); staging W of building 168 and 170; stained W of building 168.	Pacific Aerial Surveys	8/14/53	AVM-1010	JLR010, JLR012 (MAP LOCATION)
138	37B-6	- Motor gasoline storage. - Map location: 28-T. - Four of the 14 tanks appear aboveground; Area 37: staging area; S area is stained with planes apparent.	Pacific Aerial Surveys	3/1/58	SF AREA-2-22	JLR009, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
138	37B-7	- Lubricant storage. - Map location: 28-T. - Four of the 14 tanks appear aboveground; Area 37: staging area; S area is stained with planes apparent.	Pacific Aerial Surveys	3/1/58	SF AREA-2-22	JLR009, JLR012 (MAP LOCATION)
138	37B-8	- Motor gasoline storage - Map location: 28-T. - Four of the 14 tanks appear aboveground; Area 37: staging area; S area is stained with planes apparent.	Pacific Aerial Surveys	3/1/58	SF AREA-2-22	JLR009, JLR012 (MAP LOCATION)
138	37C-9	- Contaminated fuel storage. - Map location: 28-T. - Four of the 14 tanks appear aboveground; Area 37: staging area; S area is stained with planes apparent.	Pacific Aerial Surveys	3/1/58	SF AREA-2-22	JLR009, JLR012 (MAP LOCATION)
138	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); staging W of building 168 and 170; stained W of building 168.	Pacific Aerial Surveys	3/1/58	SF AREA-2-22	JLR009, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
138	37B-6	- Motor gasoline storage. - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: staging area; staining W of building 168.	Pacific Aerial Surveys	7/25/63	AV-550-07-21	JLR008, JLR012 (MAP LOCATION)
138	37B-7	- Lubricant storage. - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: staging area; staining W of building 168.	Pacific Aerial Surveys	7/25/63	AV-550-07-21	JLR008, JLR012 (MAP LOCATION)
138	37B-8	- Motor gasoline storage - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: staging area; staining W of building 168.	Pacific Aerial Surveys	7/25/63	AV-550-07-21	JLR008, JLR012 (MAP LOCATION)
138	37C-9	- Contaminated fuel storage. - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: staging area; staining W of building 168.	Pacific Aerial Surveys	7/25/63	AV-550-07-21	JLR008, JLR012 (MAP LOCATION)
138	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); minimal staging W of buildings 168 and 170.	Pacific Aerial Surveys	7/25/63	AV-550-07-21	JLR008, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
138	37B-6	- Motor gasoline storage. - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: staging area.	Pacific Aerial Surveys	4/20/66	AV-710-8-28	JLR007, JLR012 (MAP LOCATION)
138	37B-7	- Lubricant storage. - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: staging area.	Pacific Aerial Surveys	4/20/66	AV-710-8-28	JLR007, JLR012 (MAP LOCATION)
138	37B-8	- Motor gasoline storage - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: staging area.	Pacific Aerial Surveys	4/20/66	AV-710-8-28	JLR007, JLR012 (MAP LOCATION)
138	37C-9	- Contaminated fuel storage. - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: staging area.	Pacific Aerial Surveys	4/20/66	AV-710-8-28	JLR007, JLR012 (MAP LOCATION)
138	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); primary staging W of buildings 168 and 170.	Pacific Aerial Surveys	4/20/66	AV-710-8-28	JLR007, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
138	37B-6	- Motor gasoline storage. - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: staging area.	Pacific Aerial Surveys	9/8/70	AV-965-7-2 4	JLR006, JLR012 (MAP LOCATION)
138	37B-7	- Lubricant storage. - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: staging area.	Pacific Aerial Surveys	9/8/70	AV-965-7-2 4	JLR006, JLR012 (MAP LOCATION)
138	37B-8	- Motor gasoline storage - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: staging area.	Pacific Aerial Surveys	9/8/70	AV-965-7-2 4	JLR006, JLR012 (MAP LOCATION)
138	37C-9	- Contaminated fuel storage. - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: staging area.	Pacific Aerial Surveys	9/8/70	AV-965-7-2 4	JLR006, JLR012 (MAP LOCATION)
138	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); primary staging W of building 168 only.	Pacific Aerial Surveys	9/8/70	AV-965-7-2 4	JLR006, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
138	37B-6	- Motor gasoline storage. - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: staging area mostly W of building 168.	Pacific Aerial Surveys	9/4/75	AVM-1014 (aka: AV-1215-7-23 / AV-1215-8-21)	JLR005, JLR012 (MAP LOCATION)
138	37B-7	- Lubricant storage. - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: staging area mostly W of building 168.	Pacific Aerial Surveys	9/4/75	AVM-1014 (aka: AV-1215-7-23 / AV-1215-8-21)	JLR005, JLR012 (MAP LOCATION)
138	37B-8	- Motor gasoline storage - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: staging area mostly W of building 168.	Pacific Aerial Surveys	9/4/75	AVM-1014 (aka: AV-1215-7-23 / AV-1215-8-21)	JLR005, JLR012 (MAP LOCATION)
138	37C-9	- Contaminated fuel storage. - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: staging area mostly W of building 168.	Pacific Aerial Surveys	9/4/75	AVM-1014 (aka: AV-1215-7-23 / AV-1215-8-21)	JLR005, JLR012 (MAP LOCATION)
138	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); primary staging W of building 168 only.	Pacific Aerial Surveys	9/4/75	AVM-1014 (aka: AV-1215-7-23 / AV-1215-8-21)	JLR005, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
138	37B-6	- Motor gasoline storage. - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: large staging area.	Pacific Aerial Surveys	1/2/81	AV-2050-07 -26	JLR004, JLR012 (MAP LOCATION)
138	37B-7	- Lubricant storage. - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: large staging area.	Pacific Aerial Surveys	1/2/81	AV-2050-07 -26	JLR004, JLR012 (MAP LOCATION)
138	37B-8	- Motor gasoline storage - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: large staging area.	Pacific Aerial Surveys	1/2/81	AV-2050-07 -26	JLR004, JLR012 (MAP LOCATION)
138	37C-9	- Contaminated fuel storage. - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: large staging area.	Pacific Aerial Surveys	1/2/81	AV-2050-07 -26	JLR004, JLR012 (MAP LOCATION)
138	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); primary staging N & W of buildng 168 and N of building 170.	Pacific Aerial Surveys	1/2/81	AV-2050-07 -26	JLR004, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
138	37B-6	- Motor gasoline storage. - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: large staging area; extends N of building 170.	Pacific Aerial Surveys	5/13/85	AV-2655-3-13	JLR003, JLR012 (MAP LOCATION)
138	37B-7	- Lubricant storage. - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: large staging area; extends N of building 170.	Pacific Aerial Surveys	5/13/85	AV-2655-3-13	JLR003, JLR012 (MAP LOCATION)
138	37B-8	- Motor gasoline storage - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: large staging area; extends N of building 170.	Pacific Aerial Surveys	5/13/85	AV-2655-3-13	JLR003, JLR012 (MAP LOCATION)
138	37C-9	- Contaminated fuel storage. - Map location: 28-T. - Only 3 of the 14 tanks appear aboveground; Area 37: large staging area; extends N of building 170.	Pacific Aerial Surveys	5/13/85	AV-2655-3-13	JLR003, JLR012 (MAP LOCATION)
138	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging incl. tanks (aka: Area 37); primary staging N & W of building 168 and N of building 170.	Pacific Aerial Surveys	5/13/85	AV-2655-3-13	JLR003, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
138	37B-6	- Motor gasoline storage. - Map location: 28-T. - Only 3 of the 14 tanks appear on the aerial aboveground; Area 37: large staging area.	Pacific Aerial Surveys	4/30/90	K-AV-3817-1-6	JLR002, JLR012 (MAP LOCATION)
138	37B-7	- Lubricant storage. - Map location: 28-T. - Only 3 of the 14 tanks appear on the aerial aboveground; Area 37: large staging area.	Pacific Aerial Surveys	4/30/90	K-AV-3817-1-6	JLR002, JLR012 (MAP LOCATION)
138	37B-8	- Motor gasoline storage - Map location: 28-T. - Only 3 of the 14 tanks appear on the aerial aboveground; Area 37: large staging area.	Pacific Aerial Surveys	4/30/90	K-AV-3817-1-6	JLR002, JLR012 (MAP LOCATION)
138	37C-9	- Contaminated fuel storage. - Map location: 28-T. - Only 3 of the 14 tanks appear on the aerial aboveground; Area 37: large staging area.	Pacific Aerial Surveys	4/30/90	K-AV-3817-1-6	JLR002, JLR012 (MAP LOCATION)
138	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37).	Pacific Aerial Surveys	4/30/90	K-AV-3817-1-6	JLR002, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
138	37B-6	- Motor gasoline storage. - Map location: 28-T. - Only 3 of the 14 tanks appear on the aerial aboveground; Area 37: large staging area.	Pacific Aerial Surveys	4/8/92	AVM-1011	JLR001, JLR012 (MAP LOCATION)
138	37B-7	- Lubricant storage. - Map location: 28-T. - Only 3 of the 14 tanks appear on the aerial aboveground; Area 37: large staging area.	Pacific Aerial Surveys	4/8/92	AVM-1011	JLR001, JLR012 (MAP LOCATION)
138	37B-8	- Motor gasoline storage - Map location: 28-T. - Only 3 of the 14 tanks appear on the aerial aboveground; Area 37: large staging area.	Pacific Aerial Surveys	4/8/92	AVM-1011	JLR001, JLR012 (MAP LOCATION)
138	37C-9	- Contaminated fuel storage. - Map location: 28-T. - Only 3 of the 14 tanks appear on the aerial aboveground; Area 37: large staging area.	Pacific Aerial Surveys	4/8/92	AVM-1011	JLR001, JLR012 (MAP LOCATION)
138	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37).	Pacific Aerial Surveys	4/8/92	AVM-1011	JLR001, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
138	- In 1947, parcel 138 has a long building running along the W side of the parcel. Building 37 is present. The rest of the parcel appears to be used for storage. - In 1981, the long building is gone. - In 1985-1993, no change.	Pacific Aerial Surveys			JLR073

NAS/NADEP ALAMEDA
Air Quality Permit

Parcel	Location	Emission Source #	Emission Source Type	Period of Use	Fuel/Chemical Use	Reference
138	Area 37				Permits issued for underground tank, gas loading rack, fixed roof tank, gas service station, truck loading stand.	BBK014

NAS/NADEP ALAMEDA
Asbestos

Parcel	Location	Survey?	Asbestos?	Friable?	Location of Asbestos	Remarks	Reference
138	N edge of parcel	No		Unknown	- Underground steam lines have access issues. - Possible asbestos insulation.	- Presence or absence of asbestos is unknown.	BBK802
138	37A-1 / Wastewater Storage Tank	No		No		- Informal assessment; no supporting evidence.	BBK007
138	37A-2 / Miscellaneous Liquid Fuel Storage Tank	No		No		- Informal assessment; no supporting evidence.	BBK007
138	37A-3 / Contaminated Fuel Storage Tank	No		No		- Informal assessment; no supporting evidence.	BBK007
138	37A-4 / Contaminated Fuel Storage Tank	No		No		- Informal assessment; no supporting evidence.	BBK007
138	37B-5 / Aviation Fuel Storage Tank	No		No		- Informal assessment; no supporting evidence.	BBK007
138	37B-6 / Motor Gasoline Storage	No		No		- Informal assessment; no supporting evidence.	BBK007
138	37B-7 / Lubricant Storage	No		No		- Informal assessment; no supporting evidence.	BBK007
138	37B-8 / Motor Gasoline Storage	No		No		- Informal assessment; no supporting evidence.	BBK007
138	37C-9 / Contaminated Fuel Storage	No		No		- Informal assessment; no supporting evidence.	BBK007
138	37C-10 / Aviation Fuel Storage Tank	No		No		- Informal assessment; no supporting evidence.	BBK007
138	37C-11 / Aviation Fuel Storage Tank	No		No		- Informal assessment; no supporting evidence.	BBK007
138	37C-12 / Aviation Fuel Storage Tank	No		No		- Informal assessment; no supporting evidence.	BBK007
138	37D-13 / Aviation Fuel Storage Tank	No		No		- Informal assessment; no supporting evidence.	BBK007

NAS/NADEP ALAMEDA
Asbestos

Parcel	Location	Survey?	Asbestos?	Friable?	Location of Asbestos	Remarks	Reference
138	37D-14 / Vehicle Fuel Storage Tank	No		No		- Informal assessment; no supporting evidence.	BBK007
138	37D-15 / Vehicle Fuel Storage Tank	No		No		- Informal assessment; no supporting evidence.	BBK007
138	37D-16 / Aviation Fuel Storage Tank	No		No		- Informal assessment; no supporting evidence.	BBK007
138	37E-17 / Aviation Fuel Storage Tank	No		No		- Informal assessment; no supporting evidence.	BBK007
138	37E-18 / Aviation Fuel Storage Tank	No		No		- Informal assessment; no supporting evidence.	BBK007
138	37E-19 / Aviation Fuel Storage Tank	No		No		- Informal assessment; no supporting evidence.	BBK007
138	37F-21 / Aviation Fuel Storage Tank	No		No		- Informal assessment; no supporting evidence.	BBK007
138	37F-22 / Aviation Fuel Storage Tank	No		No		- Informal assessment; no supporting evidence.	BBK007
138	37F-23 / Aviation Fuel Storage Tank	No		No		- Informal assessment; no supporting evidence.	BBK007
138	37F-24 / Aviation Fuel Storage Tank	No		No		- Informal assessment; no supporting evidence.	BBK007
138	180 / Gasoline Booster Pump Station	No		No		- Informal assessment; no supporting evidence.	BBK007
138	296 / Bus Shelter	No		No		- Informal assessment; no supporting evidence. Probably demolished.	BBK007
138	598 / Aircraft Fuel Storage	No	Yes	Unknown		- Informal assessment; no supporting evidence.	BBK007
138	587 / Industrial Waste Pump Station #2	No		No		- Informal assessment; no supporting evidence.	BBK007

NAS/NADEP ALAMEDA
Building Information

Parcel	Location	Date Constructed	Sq Footage	Type of Construct.	Use	Applicable Date	Remarks	Reference
138	105					1953	Demolished.	EMC300
138	105	1939	35,272	concrete floors, piling, loading docks	Warehouse/air cargo terminal, transit storage	11/84	Demolished in 1975. Steam trench covers scheduled to be removed from building 105 slab.	DB006
138	106	1939	20,876	temporary	air terminal, fleet air intelligence support center	4/61	Demolished.	DB006
138	296	1945	972	temporary	bus station	12/87	Demolished.	DB006
138	37A-1, 37A-2	1941	NA; tank		miscellaneous liquid storage			DB003
138	37A-3, 37A-4, 37A-9	1941	N/A; tank		contaminated fuel storage			DB003
138	37A-7	1941	N/A; tank		lubricant storage			DB003
138	37A-5, 37A-10, 37A-11, 37A-12, 37A-13, 37A-16, 37A-17, 37A-18, 37A-19	1941	N/A; tank		aircraft ready fuel storage			DB003
138	37A-6, 37A-8, 37A-14, 37A-15	1941	N/A; tank		vehicle ready fuel storage			DB003

NAS/NADEP ALAMEDA
Building Information

Parcel	Location	Date Constructed	Sq Footage	Type of Construct.	Use	Applicable Date	Remarks	Reference
138	37A-21, 37A-22, 37A-23, 37A-24	1957	N/A; tank		aircraft ready fuel storage			DB003
138	37				aviation fuel storage	1/66		EMC257
138	105				storehouse (NRACCO)	1/66		EMC257
138	587				Industrial Waste Pump Station #2		370 gallons per minute.	BBK200

NAS/NADEP ALAMEDA
Building Inspection

Parcel:	Location:	Reference:
138	180	BBK837

Building Description	Evidence of chemical storage/use and location within building
- Wood frame, corrugated steel siding and roof, concrete floor. - Used always as pumping station and small office space.	- 14 qts. of MOGAS and diesel fuel samples in NE corner of building.

Other Issues
- None

Parcel:	Location:	Reference:
138	298	BBK802

Building Description	Evidence of chemical storage/use and location within building
- Bus shelter is demolished.	

Other Issues

Parcel:	Location:	Reference:
138	598-1, 598-2, 598-3	BBK802, BBK837

Building Description	Evidence of chemical storage/use and location within building
- Three steel above ground tanks: 25,000 gal. capacity each. - Formerly held AVGAS, about 10 years ago. - Currently, undergoing conversion to hold waste oil/fuel from Port Services.	

Other Issues
- Concrete berm clean.

NAS/NADEP ALAMEDA
Chemical Inventory

Parcel	Location	Chemical Types	Quantities Stored	Uses and Mgmt Practices	Applicable Date	Reference
138	180	1. MOGAS and diesel fuel	1. Approximately 12 qts.	- Fuel samples held in lockers as short-term storage only. - Cabinet and surrounding area was clean.	6/3/94	BBK837
138	Area 37	1. Lube oil 2. Motor oil	1. 120 number 2. Two 55 gal. drums	- Tanks sit on wooden pallet; no drip pan underneath. - Dark stain on ground (asphalt).	6/3/94	BBK837
138	AREA 37	PETROLEUM PRODUCTS	175000 GALLONS	STORED IN USTS		EMC006

NAS/NADEP ALAMEDA
Hazardous Waste

Parcel	Location(s)	Hazardous Waste?	Type/Quantity	Description	Applicable Dates	Reference
138	Area 37	Yes	- Oily wastewater above ground tank (baker tank) was empty. - JP-5 and diesel fuel (mixed) (baker tank) contained approximately 1300 gal. - Maximum capacity of each tank is 5,000 gal.	- Storage occurred within SHWAP site number 37. - JP-5 and diesel fuel tank is pumped out approximately every 3 months.	6/3/94	BBK837
138	AREA 37	Yes	NON HALOGENATED ORGANICS, HALOGENATED ORGANICS, BERYLLIUM & MERCURY	STORAGE AREA CAPACITY 22,000 GAL. INACTIVE	1990	DB016
138	AREA 37	Yes	PETROLEUM PROD/6,000	STORED I ASTS AND/OR BAKER TANKS	9/30/93	EMC006
138	37	Yes	NON HALOGENATED ORGANICS, PETROLEUM PROD/10,000 GAL		9/30/93	EMC006
138	Area 37 at structure 598		N/A	This structure is permitted but no yet operating	Feb. 1994	DB024

NAS/NADEP ALAMEDA
Historical

Parcel	Location(s)	Subject(Historical building, Indian ruins,etc.)	Remarks	Reference
138	Airfield	On 12/2/30, US Army acquired site from the city.	Site named Benton Field.	BBK009

NAS/NADEP ALAMEDA

IR

Parcel:	*Location:*	*Reference:*
138	East of Seaplane Lagoon	KMT002

Describe source of contamination, including chemicals.	*Describe Contamination*
Not available from reference. (Potential contamination migration from IR site)	Part or all of parcel is in a ground water operable unit.

Describe Status of Investigation/remediation
N/A from reference

Parcel:	*Location:*	*Reference:*
138	East of Seaplane Lagoon	KMT003

Describe source of contamination, including chemicals.	*Describe Contamination*
Not available from reference. (Potential contamination migration from IR site)	Exact boundary of operable unit in unknown. Sampling has not occurred to define boundary.

Describe Status of Investigation/remediation
N/A from reference

NAS/NADEP ALAMEDA
Miscellaneous Information

Parcel	Location	Subject	Remarks	Reference
138	Pier 1	Railroad tracks	Track on Pier 1 starts in parcel 158 and travels E, crosses Wharf 1, then NE and to the corner of parcel 138 to the junction at the shed on the S side of parcel 138.	EMC256
138		Railroad tracks	Tracks run N/S along the parcel line W of buildings 13 (parcel 124), 66 (parcel 125), and 113 (parcel 136). They continue S through parcel 138 to the shed at the S corner.	EMC256

NAS/NADEP ALAMEDA
Open Space Survey

Parcel:	Location:	Material Storage Yes	Outdoor Repair No	Equipment Parking No	Is this open space developed? Yes
135	Area 37	Wash Down No	Training No	Disposal Yes	Other
		Vehicle Parking Yes	Drum Storage Yes	Recreational Yes	

Stains	Ground cover	Describe use	Reference:
- Stain near lube/motor oil dispensing station - Typical stains associated with vehicle parking	- 60 percent asphalt (good), 30 percent concrete (good), 10 percent grass	- Fenced area for fuel storage with underground and above ground tanks - Walkway - SHWAP #37 - Railroad tracks - Hazardous materials storage lockers are empty - Fenceline of parcels 155, 136, 140, 139 in roadway, open-space and material storage - Fenceline of parcel 137 includes transformers, engine rework with probable fuel storage - MOGAS refueling area is on concrete: clean - Transformer along 5th St., NE of Building 64 - Four monitoring wells along E edge of parcel, E of Building 180	BBK802, BBK837

Are there drains in the area? Yes **Goes Where** - One drain near tanks 598-1, 2, 3 collects storm water and send it to tank 17 to separate oil prior to water release to bay
- Other storm drains in area collect any run-off and drains directly to bay

NAS/NADEP ALAMEDA
Pesticides

Parcel	Location	Storage/ Use?	Type of Use	Type of Pesticides	Reference
138	Fuel Farm: Area 37	Yes	Oct. 92 - Oct. 93: Biannual application (spring/fall) to control mixed grassy weeds.	ROUND-UP (524-308-AA, 20 gal.) KROVAR 1 (362-352, 60 lbs.) AMIZOLE (241-168-AA, 30 lbs.)	BBK013

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
138	UST 37	Photo # X-1-21 - Photographed by Bill Spong, ERM-Sacramento. - Outside space, view facing SW	- UST location	DB100
138	UST 37-13,16	Photo # X-1-22 - Photographed by Bill Spong, ERM-Sacramento. - Unable to determine from photograph	- UST location	DB100
138	Open space	Photo # 6-28-10 - E side of area 37 - Concrete apron - E side of building 180.	- One of four monitoring wells.	SDG001
138	Building 180 interior	Photo # 6-28-11 - Inside building 180 - N end pump house.	- Fuel samples	SDG001
138	Open space	Photo # 6-28-12 - N side of area 37	- JP-5 diesel fuel and oily waste water storage tanks	SDG001
138	Open space	Photo # 6-28-13 - N side of area 37	- JP-5 diesel fuel and oily waste water storage tanks	SDG001
138	Open space	Photo # 6-28-14 - W side of parcel 138 adjacent to 5th St.	- "Donut" - floating oil/water separator.	SDG001
138	Open space	Photo # 6-28-15 - W side of parcel 138 adjacent to 5th St.	- Transformer	SDG001
138	Open space	Photo # 6-28-16 - S end of parcel looking S.	- Four underground tanks with associated plumbing.	SDG001
138	Open space	Photo # 6-28-6 - Adjacent to SW side of building 14 - S view.	- Underground tanks - type unknown.	SDG001
138	Open space	Photo # 6-28-7 - NW view of above ground tanks on the W side of area 37.	- Aboveground tanks	SDG001
138	Open space	Photo # 6-28-8 - W side of parcel area 37.	- Motor and lube oil storage with stains.	SDG001
138	Open space	Photo # 6-28-9 - W side of parcel area 37.	- Hazardous materials storage lockers (empty). - Oil/grease, solvents and thinners, and paints.	SDG001

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
138	Open space	Photo # 6-28-6 - Adjacent to SW side of Building 14 - S view	- UST (type unknown)	SDG001
138	Open space	Photo # 6-28-7 - NW view of ASTs on the W side of area 37	- ASTs	SDG001
138	Open space	Photo # 6-28-8 - W side of parcel area 37	- Motor and lube oil storage with stains	SDG001
138	Open space	Photo # 6-28-9 - W side of parcel area 37	- Hazardous materials storage lockers (empty) - Oil, grease, solvents, thinners, and paints	SDG001
138	Open space	Photo # 6-28-10 - E side of area 37 - Concrete apron - E side of Building 180	- 1 of 4 monitoring wells	SDG001

NAS/NADEP ALAMEDA
Spills and Incidents

Parcel	Location	Type of Incident	Date of Incident	Chemicals Involved	Amounts Spilled or Released	Cleanup, If Done	Reference
138	Area 37	- Overflow	- Approximately 10 years ago.	- JP-5	- Valve was left open and tank overflowed. - Approximately 10 ft. by 10 ft. area was affected.	- Contaminated soil was excavated.	BBK837
138	Area 37 - W side adjacent to fence	- Stain		- Petroleum products	- Stain covered approximately 3 ft. by 3 ft.	- Unknown	BBK802
138	Throughout parcel	- General vehicle parking stains	- Unknown	- Petroleum products	- Approximately 3 in. to 12 in. in diameter	- Unknown	BBK802

NAS/NADEP ALAMEDA
Aboveground Storage Tanks

Parcel	Location	Storage Tank Size (Gallons)	Date Applicable	Type of Tank	Materials Stored	Remarks	Reference
138	598-1, 598-2, 598-3	25,000 ea.	6/3/94	Steel	AVGAS	- Concrete containment berm. - Tanks are currently empty but previously held AVGAS. Waiting conversion to hold waste oil / fuel for Port Services (building 15) Recovery System.	BBK837
138	Open space adjacent to 5th St.	~ 5,000	6/3/94	Unknown	Unknown	- This "Donut" was placed adjacent to 5th St. on the W side of Parcel 138. - "Donuts" are floating oil/water separators used to treat oily wastewater/bilge water from ships. - This particular unit appeared to be having work done to it. - Welding rods and associated equipment were evident nearby. - Donut was very rusted and encrusted with barnacles.	BBK802
138	Structure #598 located outdoors in Area 37	25,000 ea.	6/24/93 - 7/24/2003	Steel	Fuel and oily wastes	- Three tanks.	EMC002

NAS/NADEP ALAMEDA
Underground Storage Tanks

Parcel	Location	Storage Tank Size (Gallons)	Date Applicable	Type of Tank	Materials Stored	Remarks	Reference
138	Area 37	~ 5, 000	6/3/94	Unknown	JP-5	- All underground tanks within area 37 previously contained JP-5. - The tanks are now empty. - Underground tanks are situated in concrete lined vaults.	BBK802
138	SW corner of parcel 138	Unknown	6/3/94	Unknown	Unknown	- Four underground tanks with associated plumbing are located in the SW corner of Parcel 138. - This area is fenced off. - There is no evidence of the type and / or quantities of material(s) stored here.	BBK802
138	West of railroad tracks on parcel, south of fishing pier	25,000	1986	Concrete	Fuel	- Tank removed. - Soil borings around the tank indicated gasoline concentrations as high as 2,600 mg/kg and diesel as high as 400 mg/kg. - Shallow groundwater flow at this location is to the W.	DB009, DB010
138	37-5	25,000	1941	Steel	Aviation gasoline	- Installed in 1941.	DB001
138	Area 37 Tank #11	25,000	7/24/93	Steel	JP5 & aviation fuel	- Currently empty. SWMU #UST - 7	EMC002 EMC004 EMC005
138	Area 37 Tank #10	Unknown	7/24/93	Unknown	JP5 & jet fuel	- Currently empty. SWMU #UST - 7	EMC002 EMC004 EMC005

NAS/NADEP ALAMEDA
Underground Storage Tanks

Parcel	Location	Storage Tank Size (Gallons)	Date Applicable	Type of Tank	Materials Stored	Remarks	Reference
138	Area 37 Tank #9	25,000	7/24/93	Steel	Waste oil	- Currently empty. SWMU #UST - 7	EMC002 EMC004 EMC005
138	Area 37 Tank #2	25,000	7/24/93	Steel	Unknown	SWMU #UST - 7	EMC002 EMC004 EMC005
138	Area 37 Tank #16	25,000	7/24/93	Steel	JP5 and water currently, previously JP5 and jet fuel	SWMU #UST - 7	EMC002 EMC004 EMC005
138	Area 37 Tank #15	25,000	7/24/93	Steel	JP5 and water currently, previously JP5 and jet fuel	SWMU #UST - 7	EMC002 EMC004 EMC005
138	Area 37 Tank #13	25,000	7/24/93	Steel	JP5 and water currently, previously JP5 and jet fuel	SWMU #UST - 7	EMC002 EMC004 EMC005
138	Area 37 Tank #13	25,000	7/24/93	Steel	JP5 and water currently, previously JP5 and jet fuel	SWMU #UST - 7	EMC002 EMC004 EMC005
138	Area 37 Tank #12	25,000	7/24/93	Steel	Unknown	- Currently empty. SWMU #UST - 7	EMC002 EMC004 EMC005
138	Area 37 Tank #5	25,000	7/24/93	Steel	Diesel	- Active tank. SWMU #UST - 7	EMC002 EMC004 EMC005
138	Area 37 Tank #6	25,000	7/24/93	Steel	Unleaded / Leaded gasoline	- Active tank. SWMU #UST - 7	EMC002 EMC004 EMC005
138	Area 37 Tank #7	25,000	7/24/93	Steel	Aircraft oil	- Active tank. SWMU #UST - 7	EMC002 EMC004
138	Area 37 Tank #8	25,000	7/24/93	Steel	Unleaded / Leaded gasoline	- Active tank. SWMU #UST - 7	EMC002 EMC004

NAS/NADEP ALAMEDA
Underground Storage Tanks

Parcel	Location	Storage Tank Size (Gallons)	Date Applicable	Type of Tank	Materials Stored	Remarks	Reference
138	Area 37 Tank #21	25,000	7/24/93	Steel	Jet fuel	- Active tank. SWMU #UST - 7	EMC002 EMC004
138	Area 37 Tank #22	25,000	7/24/93	Steel	Jet fuel	- Active tank. SWMU #UST - 7	EMC002 EMC004
138	Area 37 Tank #23	25,000	7/24/93	Steel	Jet fuel	- Active tank. SWMU #UST - 7	EMC002 EMC004
138	Area 37 Tank #24	25,000	7/24/93	Steel	Jet fuel	- Active tank. SWMU #UST - 7	EMC002 EMC004
138	Area 37 Tank #1	25,000	7/24/93; 1941	Steel	Unknown	- Installed in 1941. - Currently empty.	EMC002 - HAZ WASTE FACILITY PERMIT/APPENDIX 2 - RCRA FACILITY ASSESSMENT
138	Area 37 Tank #3	25,000	7/24/93; 1941	Steel	Unknown	- Installed in 1941. - Currently empty.	EMC002 , EMC004
138	Area 37 Tank #4	25,000	7/24/93	Steel	Unknown	- Currently empty.	EMC002, EMC004
138	37-13, 37-14, 37-15, 37-16	25,000	10/14/93	Unknown	JP5 fuel / water	- Scheduled to be removed in 1994. - Status: abandoned	DB002
138	37-4, 37-9, 37-10, 37-11, 37-12	25,000 ea.	10/14/93	Unknown	Gasoline	- Scheduled to be removed in 1994. - Status: abandoned	DB002
138	37-1, 37-2, 37-3	25,000	10/14/93	Unknown	Diesel	- Scheduled to be removed in 1994. - Status: abandoned	DB002

NAS/NADEP ALAMEDA
Underground Storage Tanks

Parcel	Location	Storage Tank Size (Gallons)	Date Applicable	Type of Tank	Materials Stored	Remarks	Reference
138	37-13, 37-14, 37-15, 37-16	25,000	10/14/93	Steel	JP5 fuel	- Scheduled for closure in 1987. - Status: abandoned	DB002
138	37-9, 37-10, 37-11, 37-12	25,000 ea.	1987	Steel	Empty	- All scheduled for closure in 1987.	DB001
138	37-1	25,000	1941-	Steel	Water / oil mix	- Scheduled to be removed in 1994. - Installed in 1941.	DB001, DB002
138	37-2	25,000	1941-1994	Steel	Unknown	- Installed in 1941. - Scheduled to be removed in 1994. - Failed 1987 test. - Status: abandoned	DB001, DB002
138	37-3	25,000	1941-1994	Steel	Waste jet fuel / diesel	- Scheduled to be removed. - Installed in 1941.	DB002
138	37-4	25,000	1941-1994	Steel	Waste oil	- Scheduled to be removed. - Installed in 1941.	DB002
138	37-6, 37-8	25,000	1941-1987	Steel	Unleaded / Leaded gasoline	- Plumbing leaks identified in 1987 testing. - Installed in 1941.	DB001
138	37-6, 37-7	25,000	1941-1987	Steel	Aircraft oil	- Passed 1987 precision testing. - Installed in 1941.	DB001
138	37-09, 37-10, 37-11, 37-12	25,000	1994	Unknown	Gasoline	- Scheduled for removal. - Status: abandoned	DB002

NAS/NADEP ALAMEDA
Underground Storage Tanks

Parcel	Location	Storage Tank Size (Gallons)	Date Applicable	Type of Tank	Materials Stored	Remarks	Reference
138	37-13, 37-14, 37-15, 37-16	25,000	1994	Unknown	JP5 fuel / water	- Scheduled for removal. - Status: abandoned	DB002
138	37-21, 37-22, 37-23, 37-24	25,000	1987	Steel	Jet fuel	- Passed precision test.	DB001
138	374-1, 374-2	550,000	1953-1987	Steel	Jet fuel	- Installed in 1953. - Too large to test during 1987 precision testing.	DB001
138	37-9 (building 37)	25,000	10/88	Unknown	Waste oil	- Unknown installation date. - Currently empty.	EMC008
138	37-10 (building 37)	25,000	10/88	Unknown	JP5 jet fuel	- Unknown installation date. - Currently empty.	EMC008
138	37-11 (building 37)	25,000	10/88	Unknown	JP5 fuel, aviation fuel	- Unknown installation date. - Currently empty.	EMC008
138	37-12 (building 37)	25,000	10/88	Unknown	Unknown	- Unknown installation date. - Currently empty.	EMC008
138	37-13 (building 37)	25,000	10/88	Unknown	JP5 jet fuel	- Unknown installation date. - Currently contains 25,000 gallons of water and JP5 fuel.	EMC008
138	37-14 (building 37)	25,000	10/88	Unknown	JP5 jet fuel	- Unknown installation date. - Currently contains 25,000 gallons of water and JP5 fuel.	EMC008
138	37-15 (building 37)	25,000	10/88	Unknown	JP5 jet fuel	- Unknown installation date. - Currently contains 25,000 gallons of water and JP5 fuel.	EMC008

NAS/NADEP ALAMEDA
Underground Storage Tanks

Parcel	Location	Storage Tank Size (Gallons)	Date	Applicable	Type of Tank	Materials Stored	Remarks	Reference
138	37-16 (building 37)	25,000	10/88		Unknown	JP5 jet fuel	- Unknown installation date. - Currently contains 25,000 gallons of water and JP5 fuel.	EMC008

NAS/NADEP ALAMEDA
Storm Water

Parcel	Location	Stormwater Discharge Points	Drainage Area and Sampling	Reference
138	Area 37	- Directly to bay.	- Any run-off in area, including rain water and fuel spills, would drain directly to bay.	BBK837

NAS/NADEP ALAMEDA
Title Search

Parcel	Location	Issues of Concern/Remarks	Transfer Information and date	Reference
138	Most of NAS maps #3, 4, 5		1072.03 acres from War Department by Executive Order #7467. 1936	DB008

NAS/NADEP ALAMEDA
Transformers

Parcel	Location	Transformer#	Size	Date	Applicable	PCB's ?	PCB Class	Remarks	Reference
138	W side of Parcel 138 adjacent to 5th Street	Unknown	Unknown	6/3/94			Unknown	- Pad mounted transformer, type unknown. - No evidence of spills or stains. - Presence or absence of PCBs is unknown.	BBK602
138	W boundary of parcel	Unknown	Unknown	Unknown			Unknown	- Presence or absence of PCBs is unknown.	DB012
138	105	6487339	25.0 KVA	10/30/86		Yes	> 50 ppm	55.0 gal. Removed / stored: 12/14/86.	EMC263
138	105	6487340	25.0 KVA	10/30/86,	9/30/87	Yes	> 50 ppm	23.7 gal. Removed / stored - 11/19/86. Date to hauler - 3/9/87. Located on the pier.	EMC263
138	105	6487341	25.0 KVA	10/30/86,	9/30/87	Yes	> 50 ppm	26.0 gal. Removed / stored - 11/19/86. Date to hauler - 3/9/87. Located on the pier.	EMC263

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
136	South of Bldg. 113	DB15

Utility Type	Description
Aviation fuel line	

Potential for Contamination
Water filled

Parcel:	Location:	Reference:
136	Along RR tracks, S of Bldg. 180	DB015

Utility Type	Description
Aviation fuel	

Potential for Contamination
Possible contamination; fuel lines are not integrity tested.

Parcel:	Location:	Reference:
136	S corner of parcel	DB015

Utility Type	Description
Aviation fuel lines	

Potential for Contamination
Water filled. Possible contamination; fuel lines are not integrity tested.

Parcel:	Location:	Reference:
136	37	DB003

Utility Type	Description
fuel lines	

Potential for Contamination
Fuel farm has pipes to buildings in area. Possible contamination; fuel lines are not integrity tested.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
136	180	EMC317

Utility Type	Description
Storm drains	Flows to outfall I.

Potential for Contamination
Yes. Potentially from building 180.

Parcel:	Location:	Reference:
136	166	EMC317

Utility Type	Description
Storm drains	N side flows to outfall J and I. S side flows to outfalls K and O and P.

Potential for Contamination
Yes. Potentially from building 166.

Parcel:	Location:	Reference:
136	449	EMC317

Utility Type	Description
Storm drains	Flows to outfall I and J

Potential for Contamination
Yes. Potentially from building 449.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
138	Fuel lines that run along interface between hangars and facility bldgs. of NADEP	BBK009

Utility Type	Description
Aviation gas lines; now abandoned.	

Potential for Contamination
- When abandoned, lines were drained and filled with water. Breaks have occurred along pipeline.

Parcel:	Location:	Reference:
136	Primarily east end of NAS	BBK001

Utility Type	Description
Fuel system.	Managed by NAS Alameda Fuels Branch. They also oversee collection storage and disposal of "waste oils." - consists of 13,000 ft of welded steel pipeline. - specific areas were entered on separate templates.

Potential for Contamination
None as specified in this reference.

Parcel:	Location:	Reference:
136	Area 37	EMC308

Utility Type	Description
Sanitary sewers	Lines flow NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from area 37.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
136	Natural Gas System	BBK001

Utility Type	Description
Natural gas.	Supplied by PG&E through 2 mains.

Potential for Contamination
Several underground leaks have occurred with Class II and Class III lines.

Parcel:	Location:	Reference:
136	Natural Gas System	BBK001

Utility Type	Description
Natural gas.	Supplied by PG&E through 2 mains.

Potential for Contamination
Several underground leaks have occurred with Class II and Class III lines.

Parcel:	Location:	Reference:
136	97, 014, 397	BBK325

Utility Type	Description
Fuel lines	"In use" fuel lines drain from tanks at 97; one goes N to parcel 122 to join an abandoned fuel line; one goes W to sea plane ramp number 4 pier; one goes S to building 397; one continuous line covers all 3 piers and wharf area of parcel 155. Extensive branching occurs at the 281 tanks in parcel 138. Pier 3 branches E to tanks 342A and B.

Potential for Contamination
Possible contamination; fuel lines are not integrity tested.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
138	along eastern edge of Seaplane lagoon	BBK044

Utility Type	Description
Steam and Condensate System	All other steam lines are in trenches; this line, however, is buried directly in the soil. Beginning from midpoint in area in front of bldg 13 south along eastern edge of Fifth St. to northwest corner of parcel 138.

Potential for Contamination
These old asbestos-covered steam lines were thought to have been replaced entirely with calcium silicate lines; but there is no supporting evidence.

Parcel:	Location:	Reference:
138	east of Seaplane lagoon	BBK329, BBK044

Utility Type	Description
Steam and Condensate System	In Phase III work, these lines were replaced: main distribution line, beginning at northwest corner of parcel 138, one branch goes west to bldg 14, another branch goes south to bldg 64. At manhole #120, southwest of bldg 14, a branch goes east to northeast corner area of bldg 372.

Potential for Contamination
These old asbestos-covered steam lines were thought to have been replaced entirely with calcium silicate lines; but there is no supporting evidence.

Parcel:	Location:	Reference:
138	168	EMC317

Utility Type	Description
Storm drains	E side flows to outfall I. W side flows to outfalls I and J.

Potential for Contamination
Yes. Potentially from building 168.

PARCEL 139

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
139	Area 37	- A building formerly near building 113 is no longer visible. - Map location: 28 S, T.	Pacific Aerial Surveys	9/8/70	AV-965-07-24	BBK042, JLR006, JLR012 (MAP LOCATION)
139	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Activity in this area not clear on aerial photo.	Public Affairs, NAS/NADEP Alameda	5/3/40	Accordion folder #54 (NA 27)	JLR015, JLR012 (MAP LOCATION)
139	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Area appears to be water.	Public Affairs, NAS/NADEP Alameda	11/26/34	MAA-224-77 7	JLR016, JLR012 (MAP LOCATION)
139	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging (aka: Area 37); staging W of buildings 168 and 170; also staging N of 170.	Pacific Aerial Surveys	3/24/47	AV-11-08-06	JLR011, JLR012 (MAP LOCATION)
139	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); staging W of buildings 168 and 170; stained W of building 168.	Pacific Aerial Surveys	8/14/53	AVM-1010	JLR010, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
139	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); staging W of buildings 168 and 170; stained W of building 168.	Pacific Aerial Surveys	3/1/58	SF AREA-2-22	JLR009, JLR012 (MAP LOCATION)
139	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); minimal staging W of buildings 168 and 170.	Pacific Aerial Surveys	7/25/63	AV-550-07-21	JLR008, JLR012 (MAP LOCATION)
139	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); primary staging W of buildings 168 and 170.	Pacific Aerial Surveys	4/20/66	AV-710-8-28	JLR007, JLR012 (MAP LOCATION)
139	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); primary staging W of building 168 only.	Pacific Aerial Surveys	9/8/70	AV-965-7-24	JLR006, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
139	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); primary staging W of building 168; some W of building 170.	Pacific Aerial Surveys	9/4/75	AVM-1014 (aka: AV-1215-7-23 / AV-1215-8-21)	JLR005, JLR012 (MAP LOCATION)
139	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellanous outside staging including tanks (aka: Area 37); primary staging N & W of building 168 and N of building 170.	Pacific Aerial Surveys	1/2/81	AV-2050-07-26	JLR004, JLR012 (MAP LOCATION)
139	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); primary staging N & W of building 168 and N of building 170.	Pacific Aerial Surveys	5/13/85	AV-2655-3-13	JLR003, JLR012 (MAP LOCATION)
139	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37).	Pacific Aerial Surveys	4/30/90	K-AV-3817-1-6	JLR002, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
139	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37).	Pacific Aerial Surveys	4/8/92	AVM-1011	JLR001, JLR012 (MAP LOCATION)
139		- In 1947, parcel 139 appears to be a storage yard. Building 68 is present. - In 1953-1993, no change.	Pacific Aerial Surveys			JLR073

NAS/NADEP ALAMEDA
Asbestos

Parcel	Location	Survey?	Asbestos?	Friable?	Location of Asbestos	Remarks	Reference
139	68 / Waterfront Maintenance Shop (Port Svcs.)	No	Yes	Unknown		- Informal assessment; no supporting evidence.	BBK007
139	449 / Sewage Pump Station	No		No		- Informal assessment; no supporting evidence.	BBK007

NAS/NADEP ALAMEDA
Building Information

Parcel	Location	Date Constructed	Sq Footage	Type of Construct.	Use	Applicable Date	Remarks	Reference
139	68	1942	2,360	permanent	storage for fire department equipment, incinerator, smoke stack base	4/61	Demolished. Number reassigned.	DB005
139	182	1943	100	wood / concrete	fuel storage tank and pump house	12/86	Demolished. Underground delivery piping to Boat House #15.	DB006
139	68	1988	1,600	concrete floor, steel frame walls with metal siding, steel frame roof with metal roofing	waterfront operations			DB003, DB020
139	449				Sewage Pumping Station		150 gallons per minute.	BBK200

NAS/NADEP ALAMEDA
Building Inspection

Parcel:	Location:	Reference:
139	68	EMC1000

Building Description
- Metal corrugated, concrete floor.
- Used as a welding shop.

Evidence of chemical storage/use and location within building
- Oils, greases, lubricants, not much — non-flammable because welding shop.
- Chemical storage is in flammable storage locker outside building 68.
- Should be covered in outside inspection of parcel 139.
- Fuel for generators and welders is from the fuel farm.

Other Issues
- None.

Parcel:	Location:	Reference:
139	449	BBK802

Building Description
- Control panel and access corners for Sewage Lift Station 5 on concrete pad (photo 6-24-17).

Evidence of chemical storage/use and location within building
- Concrete pad: Clean.

Other Issues
- None.

Parcel:	Location:	Reference:
139	182	BBK802

Building Description
- Demolished

Evidence of chemical storage/use and location within building

Other Issues

NAS/NADEP ALAMEDA
Chemical Inventory

Parcel	Location	Chemical Types	Quantities Stored	Uses and Mgmt Practices	Applicable Date	Reference
139	Building 68	- Lubricant	- 1 gal.	- Roller/ball bearing lubricant. - Used in welding shop projects / repair.	5/20/94	EEW1000
139	Yard S of building 68	1.Petroleum products 2. Iodine 3. Varnish, enamel 4. Paint	1. < 50 gal. 2. < 5 pt. 3. < 10 gal. 4. ~ 10 gal.	- Lockers managed by COMLAGRU 1 are very poorly maintained. Paint is stored for use in piers during the day. All items kept in steel storage lockers (photos 6-24-13, 6-24-14, 6-24-15, 6-4-16).	5/25/94	BBK802

NAS/NADEP ALAMEDA
Hazardous Waste

Parcel	Location(s)	Hazardous Waste?	Type/Quantity	Description	Applicable Dates	Reference
139	S of building 68	Yes	- Spilled oil / hydraulic waste / quantity varies from week to week depending on number of incidents.	- SHWAP 18: Skimmer collects spilled chemicals, deposits them in drums, the drums are stored for a maximum of 24 hours (photo 6-24-19).		BBK802

NAS/NADEP ALAMEDA
Historical

Parcel	Location(s)	Subject(Historical building, Indian ruins,etc.)	Remarks	Reference
139	Area east of Pier 1	Fill material	This area was filled with material taken from the channel and turning basin associated with the construction of Pier 3. Fill material potentially contaminated.	EMC217

NAS/NADEP ALAMEDA
IR

Parcel:	Location:	Reference:
139	East of Seaplane Lagoon	KMT002

Describe source of contamination, including chemicals.	Describe Contamination
Not available from reference. (Potential contamination migration from IR site)	Part or all of parcel is in a ground water operable unit.

Describe Status of Investigation/remediation
N/A from reference

Parcel:	Location:	Reference:
139	East of Seaplane Lagoon	KMT003

Describe source of contamination, including chemicals.	Describe Contamination
Not available from reference. (Potential contamination migration from IR site)	Exact boundary of operable unit in unknown. Sampling has not occurred to define boundary.

Describe Status of Investigation/remediation
N/A from reference

NAS/NADEP ALAMEDA
Open Space Survey

Parcel:	Location:	Material Storage Yes	Outdoor Repair Yes	Equipment Parking Yes	Is this open space developed? Yes
139	Outside area	Wash Down No	Training No	Disposal Yes	Other
		Vehicle Parking Yes	Drum Storage Yes	Recreational No	

Stains	Ground cover	Describe use	Reference:
- Typical stains associated with vehicle parking and roadway. - A few larger stains, probably lube / motor oil.	- 50 percent asphalt (OK to poor), 50 percent concrete (good)	- Maintenance equipment parking. - Vehicle parking. - Chemical storage area. - SCHWAP 18. - Aircraft container storage. - Fence line of parcels 155, 154, 201 is roadway. - Fence line of parcels 138 is landscaping, hormener, many underground storage tanks are in this parcel; a potential source of contamination migration. - Fence line at parcel 140 is warehouse. - Railroad tracks along W side of parcel. - Fuel houses stored in area S of building 68. - Old blast machines in locker in area S of building 68. - Large drum storage area for CVN-72.	BBK802

Are there drains in the area? Yes *Goes Where* - Many storm drains, some of which were stained with paint; outfall unknown

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
139	68	Photo # 5-21-14 - Weld shop, view SE	- Welding equipment, small stain in foreground	EEW1000
139	Open space	Photo # 6-24-13 - Building 68, yard area	- COMLOGRN one hazardous materials storage locker (lube oils)	SDG001
139	Open space	Photo # 6-24-14 - Building 68, yard area	- COMLOGRN one hazardous materials storage locker (lube oils)	SDG001
139	Open space	Photo # 6-24-15 - Building 68, yard area	- Paint storage locker, with stains	SDG001
139	Open space	Photo # 6-24-16 - Building 68, yard area	- Divers hazardous materials storage locker	SDG001
139	Open space	Photo # 6-24-17 - Across from buildings 15 and 64, adjacent to building 68 (E view)	- Sewage Lift Station 5	SDG001
139	Open space	Photo # 6-24-18 - Across from buildings 15 and 64, adjacent to building 68 (W view)	- Transformer	SDG001
139	Open space	Photo # 6-24-19 - Adjacent to building 68 yard	- SHWAP site 18	SDG001
139	Open space	Photo # 6-24-20 - S end of parcel 139, across from building 167	- Transformer	SDG001
139	Open space	Photo # 6-24-21 - N end of parcel 139, adjacent to NW end of building 168	- Sizable stain (light brown) 10 ft. by 3 ft., asphalt deteriorated	SDG001
139	Open space	Photo 11-5-14 - W view, W side of building 168.	- Stains.	SDG001
139	Open space	Photo 11-5-15 - N view, W side of building 168.	- View of area.	SDG001
139	Open space	Photo 11-5-16 - SE view, W side of building 168.	- Typical staining.	SDG001
139	Open space	Photo 11-5-17 - E view, W side of building 168.	- Melted/deteriorated storm drain.	SDG001
139	Open space	Photo 11-5-18 - S view, W side of building 168.	- Typical drum storage.	SDG001

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
139	Open space	Photo 11-5-19 - S view, on J Street.	- Spill in progress, corrosives.	SDG001

NAS/NADEP ALAMEDA
Spills and Incidents

Parcel	Location	Type of Incident	Date of Incident	Chemicals Involved	Amounts Spilled or Released	Cleanup, If Done	Reference
139	68	- Stain	- Unknown	- Unknown	- Stains on concrete visible in welding shop floor. - All over the floor of building 68 many small stains (photo 5-21-14) in a thirty ft. by thirty ft area.	- None	EMC1000
139	N side of parcel 139	- Staining of soil / broken asphalt		- Petroleum products	- Light brown stain ~ ten ft. by three ft. - Photo 6-24-21		BBK802

NAS/NADEP ALAMEDA
Title Search

Parcel	Location	Issues of Concern/Remarks	Transfer Information and date	Reference
139	SE portion of Base	Utilities easement reserved in civil 23109, 1944. Location unknown.	154.60 acres from Louis M. MacDermot in Civil Action # 23109 1944	DB008

NAS/NADEP ALAMEDA
Transformers

Parcel	Location	Transformer#	Size	Date	Applicable PCB's ?	PCB Class	Remarks	Reference
139	Across from buildings 15 and 64	Unknown	Unknown	Unknown		Unknown	- Transformer mounted on concrete pad. - Type unknown (photo 6-24-18). - Presence or absence of PCBs is unknown.	BBK802
139	S end of parcel 139 — across from building 167	Unknown	Unknown	Unknown		Unknown	- Concrete pad-mounted transformer. Type unknown (photo 6-24-20). - Presence or absence of PCBs is unknown.	BBK802

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
139	S RR tracks, along tracks	DB016
Utility Type	**Description**	
Gasoline line		
Potential for Contamination		

Parcel:	Location:	Reference:
139	Fuel lines that run along interface between hangars and facility bldgs. of NADEP	BBK009
Utility Type	**Description**	
Aviation gas lines; now abandoned.		
Potential for Contamination		
- When abandoned, lines were drained and filled with water. Breaks have occurred along pipeline.		

Parcel:	Location:	Reference:
139	Area 37	EMC30B
Utility Type	**Description**	
Sanitary sewers	Lines flow NW to main pump N of parcel 022.	
Potential for Contamination		
Yes. Potentially from area 37.		

Parcel:	Location:	Reference:
139	Natural Gas System	BBK001
Utility Type	**Description**	
Natural gas.	Supplied by PG&E through 2 mains.	

NAS/NADEP ALAMEDA
Utilities Report

Potential for Contamination
Several underground leaks have occurred with Class II and Class III lines.

Parcel:	Location:	Reference:
139	Natural Gas System	BBK001

Utility Type	Description
Natural gas.	Supplied by PG&E through 2 mains.

Potential for Contamination
Several underground leaks have occurred with Class II and Class III lines.

Parcel:	Location:	Reference:
139	97, 014, 397	BBK326

Utility Type	Description
Fuel lines	"In use" fuel lines drain from tanks at 97; one goes N to parcel 122 to join an abandoned fuel line; one goes W to sea plane ramp number 4 pier; one goes S to building 397; one continuous line covers all 3 piers and wharf area of parcel 155. Extensive branching occurs at the 281 tanks in parcel 138. Pier 3 branches E to tanks 342A and B.

Potential for Contamination
Possible contamination; fuel lines are not integrity tested.

Parcel:	Location:	Reference:
139	168	EMC317

Utility Type	Description
Storm drains	E side flows to outfall I. W side flows to outfalls I and J.

Potential for Contamination
Yes. Potentially from building 168.

NAS/NADEP ALAMEDA

Utilities Report

Parcel:	Location:	Reference:
139	169	EMC317

Utility Type	Description
Storm drains	W side flows to outfalls J and I. E side flows to outfall J.

Potential for Contamination
Yes. Potentially from building 169.

Parcel:	Location:	Reference:
139	166	EMC317

Utility Type	Description
Storm drains	N side flows to outfall J and I. S side flows to outfalls K and O and P.

Potential for Contamination
Yes. Potentially from building 166.

Parcel:	Location:	Reference:
139	449	EMC317

Utility Type	Description
Storm drains	Flows to outfall I and J

Potential for Contamination
Yes. Potentially from building 449.

PARCEL 140

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
140	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Area appears to be water.	Public Affairs, NAS/NADEP Alameda	11/26/34	MAA-224-77 7	JLR016, JLR012 (MAP LOCATION)
140	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Area appears to be water.	Public Affairs, NAS/NADEP Alameda	11/26/34	MAA-224-77 7	JLR016, JLR012 (MAP LOCATION)
140	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging (aka: Area 37); staging W of buildings 168 and 170; also staging N of 170.	Pacific Aerial Surveys	3/24/47	AV-11-08-0 6	JLR011, JLR012 (MAP LOCATION)
140	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); staging W of buildings 168 and 170; stained W of building 168.	Pacific Aerial Surveys	8/14/53	AVM-1010	JLR010, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
140	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); staging W of buildings 168 and 170; stained W of building 168.	Pacific Aerial Surveys	3/1/58	SF AREA-2-22	JLR009, JLR012 (MAP LOCATION)
140	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); minimal staging W of buildings 168 and 170.	Pacific Aerial Surveys	7/25/63	AV-550-07-21	JLR008, JLR012 (MAP LOCATION)
140	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); primary staging W of buildings 168 and 170.	Pacific Aerial Surveys	4/20/66	AV-710-8-28	JLR007, JLR012 (MAP LOCATION)
140	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); primary staging W of building 168 only.	Pacific Aerial Surveys	9/8/70	AV-965-7-24	JLR006, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
140	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); primary staging W of building 168; some W of building 170.	Pacific Aerial Surveys	9/4/75	AVM-1014 (aka: AV-1215-7-23 / AV-1215-8-21)	JLR005, JLR012 (MAP LOCATION)
140	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); primary staging N & W of building 168 and N of building 170.	Pacific Aerial Surveys	1/2/81	AV-2050-07-26	JLR004, JLR012 (MAP LOCATION)
140	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37); primary staging N & W of building 168 and N of building 170.	Pacific Aerial Surveys	5/13/85	AV-2655-3-13	JLR003, JLR012 (MAP LOCATION)
140	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37).	Pacific Aerial Surveys	4/30/90	K-AV-3817-1-6	JLR002, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
140	Area 37	- Staging area. - Map location: 28,29-S,T,U,V. - Miscellaneous outside staging including tanks (aka: Area 37).	Pacific Aerial Surveys	4/8/92	AVM-1011	JLR001, JLR012 (MAP LOCATION)
140		- In 1947, parcel 140 has building 168 present and the N half is a parking or storage area. - In 1953-1993, no change.	Pacific Aerial Surveys			JLR073

NAS/NADEP ALAMEDA
Asbestos

Parcel	Location	Survey?	Asbestos?	Friable?	Location of Asbestos	Remarks	Reference
140	W side of parcel	No		Unknown	- A steam line runs along W boundary of parcel. Access is located in the N corner of the parcel and W of the outside storage yard.	- Line covered with potential asbestos-containing-material. - Presence or absence of asbestos is unknown.	DB100
140	168 / General Warehouse (NAS/NSCO/CVN-65/70)	No	Yes	Unknown		- Informal assessment; no supporting evidence.	BBK007

NAS/NADEP ALAMEDA
Building Information

Parcel	Location	Date Constructed	Sq Footage	Type of Construct.	Use	Applicable Date	Remarks	Reference
140	168	1946	117,419	Wood frame with metal siding, concrete floor, wood roof with metal roofing	General warehouse			DB003, DB020
140	168, 169, 170				storehouses	1/66		EMC257

NAS/NADEP ALAMEDA
Building Inspection

Parcel:	Location:	Reference:
140	168 , PWC - utilities	RWB120

Building Description
- Same characteristics as NAS Fuel Supply branch.
- Concrete floor.
- Photo 3-9-15 of floor with some corrosion. This corrosion covers five percent of floor in rear.
- One ft. to 6 in. x 6 ft.

Evidence of chemical storage/use and location within building
- Small scale storage of greases and oil; stored in flammable storage containers.

Other Issues

Parcel:	Location:	Reference:
140	168, NAS Fuel Supply Branch (operates middle third of building)	RWB170

Building Description
- Built in 1946; wood frame, drop ceiling, wood panels. Metal sidings, concrete floor.

Warehouse:
- PWC electrical (cable)
- Backside of warehouse ship parts kept.
- Building has a new roof (1 yr. old) because it used to leak badly.
- General staining.
- There's upstairs space on the E side which serves as storage - wood slate floor.
- Since, the roof leaked until seven yrs. ago, its mushy. Did not go onto roof as it is slanted.
- Storage a new 55-gal salvage drum.

Evidence of chemical storage/use and location within building
- Storage of chemicals (fuels) in a flammable storage shed. This shed is on the E side of building.

Other Issues
- Switches on E side of building; non-PCB.

NAS/NADEP ALAMEDA
Chemical Inventory

Parcel	Location	Chemical Types	Quantities Stored	Uses and Mgmt Practices	Applicable Date	Reference
140	Building 168, Fuel Supply Branch, main shop	- Fuel, chlorinated solvent, petroleum products.	- 200 gal.	- Small quantities stored in flammable cabinet located inside of E roll-up door. - Two 55-gal. drums stored on a pallet pending return to materials department. No evidence of release.	5/23/94	DB100
140	Building 168, ships	- Corrosives, petroleum products, chlorinated and non-chlorinated solvents.	- 3,000 gal.	- Materials stored on pallets, wrapped in plastic pending loading onto ships. Ten freon-11 containers were on a pallet, two appeared to be bulging.	5/23/94	DB100
140	Building 168, Serv Mart	- Corrosives, flammables.	- 3,000 gal.	- Storage only. This area is a supply center for the ships. - Small quantities of battery acid are used for forklift batteries.	5/23/94	DB100
140	168	NON HALOGENATED ORGANICS, PAINT, HALOGENATED ORGANICS, PETROLEUM PROD	25 GALLONS	CLEANER, SOLVENT,	5/13/93	EMC117

NAS/NADEP ALAMEDA
Historical

Parcel	Location(s)	Subject(Historical building, Indian ruins,etc.)	Remarks	Reference
140	Area east of Pier 1	Fill material	This area was filled with material taken from the channel and turning basin associated with the construction of Pier 3. Fill material potentially contaminated.	EMC217

NAS/NADEP ALAMEDA
Interview

Parcel	Location(s)	Name of Interviewee	Information	Reference
140	168	Carl Marble	On duty at NAS Alameda from Jan. 1944-1956 Supply - clean	BBK054

NAS/NADEP ALAMEDA
IR

Parcel:	Location:	Reference:
140	East of Seaplane Lagoon	KMT002

Describe source of contamination, including chemicals.	Describe Contamination
Not available from reference. (Potential contamination migration from IR site)	Part or all of parcel is in a ground water operable unit.

Describe Status of Investigation/remediation
N/A from reference

Parcel:	Location:	Reference:
140	East of Seaplane Lagoon	KMT003

Describe source of contamination, including chemicals.	Describe Contamination
Not available from reference. (Potential contamination migration from IR site)	Exact boundary of operable unit in unknown. Sampling has not occurred to define boundary.

Describe Status of Investigation/remediation
N/A from reference

NAS/NADEP ALAMEDA
Miscellaneous Information

Parcel	Location	Subject	Remarks	Reference
140	N of building 168	Storage yards	N of the building are two storage yards. The southern-most yard appears to have been recently re-asphalted.	DB100
140	Building 168	Roof drains	Water was noted coming from all roof drains. Unable to access roof for observation of source.	DB100

NAS/NADEP ALAMEDA
Open Space Survey

Parcel:	Location:	Material Storage Yes	Outdoor Repair No	Equipment Parking Yes	Is this open space developed? No
140	168	Wash Down No	Training No	Disposal No	Other
		Vehicle Parking Yes	Drum Storage No	Recreational No	

Stains	Ground cover	Describe use	Reference:
- Assorted stains. See photo 3-9-13. - Content of stain unknown. - Assorted weeds growing in area. Area composed of dirt, gravel, weeds, and asphalt.	- Concrete with dirt in areas; weeds are growing intermittently. Growth around parts of the perimeter. 90 percent asphalt.	-- General staining in parking areas. Nothing in nearby area would drain into this area and vice-versa.	RWB120

Are there drains in the area? Yes *Goes Where* - One drain at NE corner on building. Actually between one building and outside storage area.

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
140	168	Photo # 3-9-1 - Front of building facing SW.	- Outside of building	RWB001
140	168	Photo # 3-9-10 - SE corner of building. - Photo facing S.	- Refueling of propane tank. Seal not secure and gases were being emitted.	RWB001
140	168	Photo # 3-9-11 - N face of building. - Photo taken facing W.	- Stain on open storage area; substance unknown.	RWB001
140	168	Photo # 3-9-12 - Taken inside. - Photo taken facing NE.	- Photo of transformer.	RWB001
140	168	Photo # 3-9-13 - Front of E face towards SE corner. - Photo facing S.	- Stain - maybe oil - 2 ft. x 8 ft.	RWB001
140	168	Photo # 3-9-15 - PWC utilities section of building.	- Stain on floor - eaten away by corrosives.	RWB001
140	168	Photo # 3-9-2 - E side of building. - Photo facing NW.	- Photo of floor (illustrates raised floor) and machine with drip pan with oil.	RWB001
140	168	Photo # 3-9-3 - Machine shop area, E side of building. - Photo facing SE.	- Another saw with oil on ground.	RWB001
140	168	Photo # 3-9-4 - Oil stain (most likely), E side of building. - Photo taken facing E.	- Oil stain from accumulated use of machine equipment.	RWB001
140	168	Photo # 3-9-5 - Photo in E side of building - second story. - Photo facing up.	- Roof over bathroom which is newly remodeled. Peeling paint.	RWB001
140	168	Photo # 3-9-6 - Middle of building - Serv Mart. - Photo taken facing N.	- Stain in battery charging area.	RWB001

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
140	168	Photo # 3-9-7 - Photo against fence in Serv Mart. - Photo taken facing S.	- Floor stain - concrete has been eaten away by some product.	RWB001
140	168	Photo # 3-9-8 - Photo taken towards W face of building. - Photo taken facing W.	- Hydraulic oil.	RWB001
140	168	Photo # 3-9-9 - Photo of open storage area. - N side of building. - Photo facing SW.	- Photo of open storage area.	RWB001

NAS/NADEP ALAMEDA
Spills and Incidents

Parcel	Location	Type of Incident	Date of Incident	Chemicals Involved	Amounts Spilled or Released	Cleanup, If Done	Reference
140	Building 168, ships storage area	- Stains	Unknown	- Unknown	- Small staining apparent in ~ 15% of building.	- None apparent.	DB100
140	Building 168, Fuel Supply Branch, center of S interior wall	- Staining	Unknown	- Lube oil	- Fifteen ft. by twenty ft. area where carts (used to pump lube oil to the ships) were stored when not in use.	- None apparent.	DB100
140	Building 168, Fuel Supply Branch, main shop	- Oil spills	Unknown	- Lubricating oil	- Within the shop are four areas ~ five ft. by six ft. with equipment such as band saws. At each of these areas visible oil was apparent on the concrete floor. Oil spills were ~ five ft. by three ft. in size.	- None apparent.	DB100
140	Building 168, Fuel Supply Branch, small shop	- Oil stain	Unknown	- Oil from drill press	- Three ft. by four ft. area stained.	- None apparent.	DB100
140	Building 168, Serv Mart	- Stain	Unknown	- Sulfuric acid (battery)	- Three significant stains were apparent. - One at the N wall approximate center of building; ~ 3'x3'. - One at the E roll-up door; 3'x5'. - One 16' SW of roll-up door, ~ 5'x5'. - Other small etchings were observed but no residual material was apparent.	- None apparent. White residue visible.	DB100

NAS/NADEP ALAMEDA
Spills and Incidents

Parcel	Location	Type of Incident	Date of Incident	Chemicals Involved	Amounts Spilled or Released	Cleanup, If Done	Reference
140	Building 168, Fuel Supply Branch, main shop	- Stain	Unknown	- Fuel, lubricating oil	- Evidence of small releases from transfer operations. One-half ft. by one ft. area. - Very little staining. - Evidence of release within flammable cabinet.	- None apparent.	DB100

NAS/NADEP ALAMEDA
Title Search

Parcel	Location	Issues of Concern/Remarks	Transfer Information and date	Reference
140	SE portion of Base	Utilities easement reserved in civil 23109, 1944. Location unknown.	154.60 acres from Louis M. MacDermot in Civil Action # 23109 1944	DB008

NAS/NADEP ALAMEDA
Transformers

Parcel	Location	Transformer#	Size	Date Applicable		PCB's ?	PCB Class	Remarks	Reference
140	168	Unknown	Unknown	5/23/94			Unknown	- Transformer sampled 1/4/94. Located in room on E face of building. - See photo 3-9-12. - Presence or absence of PCBs is unknown.	RWB120
140	Building 168	Unknown	Unknown	Unknown			Unknown	- Presence or absence of PCBs is unknown.	DB012
140	W of building 170	Unknown	Unknown	Unknown			Unknown	- Presence or absence of PCBs is unknown.	DB012
140	168	1911892	300 KVA	10/21/88,	9/30/87	Yes	> 50 ppm	257.8 gal.	EMC263
140	168	1911893	Unknown	9/30/87		Yes	Unknown	E Vault.	EMC263
140	168	1911898	300 KVA	10/21/88,	9/30/87	Yes	> 50 ppm	Located in E vault. 282.0 gal.	EMC263
140	168	1911899	300 KVA	10/21/88		Yes	> 50 ppm	Located in E vault. 282 gal.	EMC263

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
140	Just S RR tracks, N boundary of parcel	DB015

Utility Type	Description
Aviation fuel lines	

Potential for Contamination
Possible contamination; fuel lines are not integrity tested.

Parcel:	Location:	Reference:
140	E of Bldg. 168	DB012

Utility Type	Description
electrical	oil or vacuum switch

Potential for Contamination

Parcel:	Location:	Reference:
140	530	EMC308

Utility Type	Description
Sanitary sewers	Line flows NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from building 530.

Parcel:	Location:	Reference:
140	410	EMC308

Utility Type	Description
Sanitary sewers	Line flows NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from building 410.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
140	167	EMC308

Utility Type	Description
Sanitary sewers	Lines flow NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from building 167.

Parcel:	Location:	Reference:
140	166	EMC308

Utility Type	Description
Sanitary sewers	Lines flow NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from building 166.

Parcel:	Location:	Reference:
140	Area 37	EMC308

Utility Type	Description
Sanitary sewers	Lines flow NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from area 37.

Parcel:	Location:	Reference:
140	Natural Gas System	BBK001

Utility Type	Description
Natural gas.	Supplied by PG&E through 2 mains.

Potential for Contamination
Several underground leaks have occurred with Class II and Class III lines.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
140	Natural Gas System	BBK001

Utility Type	Description
Natural gas.	Supplied by PG&E through 2 mains.

Potential for Contamination
Several underground leaks have occurred with Class II and Class III lines.

Parcel:	Location:	Reference:
140	97, 014, 397	BBK326

Utility Type	Description
Fuel lines	"In use" fuel lines drain from tanks at 97; one goes N to parcel 122 to join an abandoned fuel line; one goes W to sea plane ramp number 4 pier; one goes S to building 397; one continuous line covers all 3 piers and wharf area of parcel 155. Extensive branching occurs at the 281 tanks in parcel 138. Pier 3 branches E to tanks 342A and B.

Potential for Contamination
Possible contamination; fuel lines are not integrity tested.

Parcel:	Location:	Reference:
140	east of Seaplane lagoon	BBK929, BBK044

Utility Type	Description
Steam and Condensate System	In Phase III work, these lines were replaced: main distribution line, beginning at northwest corner of parcel 138, one branch goes west to bldg 14, another branch goes south to bldg 64. At manhole #120, southwest of bldg 14, a branch goes east to northeast corner area of bldg 372.

Potential for Contamination
These old asbestos-covered steam lines were thought to have been replaced entirely with calcium silicate lines; but there is no supporting evidence.

NAS/NADEP ALAMEDA

Utilities Report

Parcel:	Location:	Reference:
140	168	EMC317

Utility Type	Description
Storm drains	E side flows to outfall I. W side flows to outfalls I and J.

Potential for Contamination
Yes. Potentially from building 168.

Parcel:	Location:	Reference:
140	169	EMC317

Utility Type	Description
Storm drains	W side flows to outfalls J and I. E side flows to outfall J.

Potential for Contamination
Yes. Potentially from building 169.

PARCEL 141

NAS/NADEP ALAMEDA
Asbestos

Parcel	Location	Survey?	Asbestos?	Friable?	Location of Asbestos	Remarks	Reference
141	169 / General Warehouse	No	Yes	Unknown		- Informal assessment; no supporting evidence.	BBK007
141	169	Yes	Yes	unknown	- Roof is metal and was replaced last year. Different types of floor tile present in office and bathroom areas (less than 100' x 100'). Small quantities of suspended acoustal tile. Wallboard in bathroom and office areas.	- ~ 1,000' of 6" pipes and 400' of 12" piping; appears to be fiberglass. However, according to Louise Davis, she has been informed that some of it may have asbestos.	DRK001

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
141	- In 1947, building 164 is present on parcel 141. - In 1953-1993, no change.	Pacific Aerial Surveys			JLR073

NAS/NADEP ALAMEDA
Building Information

Parcel	Location	Date Constructed	Sq Footage	Type of Construct.	Use	Applicable Date	Remarks	Reference
141	169	1946	86,710	Wood frame with metal siding, concrete floor, wood roof with metal roofing	General warehouse Navy			DB003
141	168, 169, 170				storehouses	1/66		EMC257

NAS/NADEP ALAMEDA

Building Inspection

Parcel: 41	Location: 169	Reference: DRK001
Building Description - Two 300' x 30' metal frame and cover warehouses over concrete slabs. (DLA controls one-half of north warehouse and all of south warehouse; FISC controls one-half of north warehouse). Only material storage, no chemical storage. - According to Fred Gonzales, who has worked in the warehouse for the past 19 years, this warehouse has been used for the same purposes for the past 19 years. - According to Louise Davis, the DLA has controlled the south warehouse for 10 years, previous to which it was abandoned. - Photo 7-15-7.		***Evidence of chemical storage/use and location within building*** - No chemical storage (photos 7-15-1, 7-15-2). - Ordnance is in south warehouse. - Some compressed gases (≈ 10 cylinders of nitrogen).
Other Issues - Floor relatively unstained. See spills / incidents form.		

NAS/NADEP ALAMEDA
Historical

Parcel	Location(s)	Subject(Historical building, indian ruins,etc.)	Remarks	Reference
141	Area east of Pier 1	Fill material	This area was filled with material taken from the channel and turning basin associated with the construction of Pier 3. Fill material potentially contaminated.	EMC217

NAS/NADEP ALAMEDA
Interview

Parcel	Location(s)	Name of Interviewee	Information	Reference
141	169	Carl Marble	On duty at NAS Alameda from Jan. 1944-1956 Supply - clean	BBK054

NAS/NADEP ALAMEDA

IR

Parcel: 141	Location: East of Seaplane Lagoon	Reference: KMT002
Describe source of contamination, including chemicals. Not available from reference. (Potential contamination migration from IR site)		***Describe Contamination*** Part or all of parcel is in a ground water operable unit.
Describe Status of Investigation/remediation N/A from reference		

Parcel: 141	Location: East of Seaplane Lagoon	Reference: KMT003
Describe source of contamination, including chemicals. Not available from reference. (Potential contamination migration from IR site)		***Describe Contamination*** Exact boundary of operable unit in unknown. Sampling has not occurred to define boundary.
Describe Status of Investigation/remediation N/A from reference		

NAS/NADEP ALAMEDA
Miscellaneous Information

Parcel	Location	Subject	Remarks	Reference
141	Pier 3, Avenue N & 9th Street	Railroad tracks	Pier 3 has 6 tracks - 3 N side, 3 S side and one crossover track. Four tracks turn NE at the E end of the pier and end in parcel 160 just W of building 447. One of the pier 3 S side tracks turns NE at the E side of Pier 3, cuts the NW corner of parcel 161 and crosses parcel 198 to meet another pier 3 track along the S side of Avenue N. One of the pier 3 N side tracks runs E along the S side of Avenue N along the parcel line touching parcels 160, 198, 163, 159, 160, 150. At the SW corner of parcel 150 this track turns NE brushing the E side of parcel 202 and then turning N to Avenue M and 9th Street. As this track travels along 9th Street a short branch leaves toward the NE and ends on the N side of Avenue L, S of building 164. At this branch the 9th Street track splits into two and the two tracks travel N along both sides of the street and junction in parcel 134 exactly S of 97D and 97E. There is no crossover track that crosses 9th Street in parcel 134 between parcel 164 and parcel 142.	EMC256
141	Open space	Drainage	- No drains in this area. Drainage flows off onto streets.	DRK001

NAS/NADEP ALAMEDA
Open Space Survey

Parcel:	Location:	Material Storage No	Outdoor Repair No	Equipment Parking No	Is this open space developed? Yes
141	Open space	Wash Down No	Training No	Disposal No	Other: Concrete surrounding area.
		Vehicle Parking No	Drum Storage No	Recreational No	

Stains	Ground cover	Describe use	Reference:
- Only light staining noted on concrete areas (photos 7-15-9, 7-15-10).	- Concrete 90 percent, asphalt 10 percent.	- Area surrounding building 169, which is a warehouse, consists of concrete aprons to N, S, E, and W; however, E of building are railroad tracks (photo 7-15-8). - A large wood disposal dumpster was noted to the S.	DRK001

Are there drains in the area? Yes **Goes Where** - Drainage flows off onto streets.

NAS/NADEP ALAMEDA
Ordnance

Parcel	Location	Ordnance Present?	Applicable Date	Ordnance Type/Use	Management Practices	Reference
141	169, South warehouse	Yes	05/27/94	- Class C explosives throughout South warehouse.	- All appeared to be stored in a proper and safe manner.	DRK001

NAS/NADEP ALAMEDA
Spills and Incidents

Parcel	Location	Type of Incident	Date of Incident	Chemicals Involved	Amounts Spilled or Released	Cleanup, If Done	Reference
141	Open space	- Stain	Unknown	- Unknown	- Small stains at outside areas (photo 7-15-9) - A light 4' by 4' oil stain to the E of and exiting the building, and a white, rusty, concrete stain (photo 7-15-10) to the S.	- None.	DRK001
141	169	- Stains (multiple)	Unknown	- Oils	- Small (1 ' x1' and under) light oil stains throughout building. Less than 1% of floor covered by staining. All staining on concrete. Very few larger stains noted (photo 7-15-5). Very faint in appearance.	- None.	DRK001
141	169	- Stain	Unknown	- Oil	- 4' x 5' oil stain (dark brown to black) on concrete. Appears to have been generated during forklift maintenance. Stain at SW corner of South warehouse.	- None.	DRK001

NAS/NADEP ALAMEDA
Title Search

Parcel	Location	Issues of Concern/Remarks	Transfer Information and date	Reference
141	SE portion of Base	Utilities easement reserved in civil 23109, 1944. Location unknown.	154.60 acres from Louis M. MacDermot in Civil Action # 23109 1944	DB008

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
141	167, 166, 410, 169	BBK329, BBK044

Utility Type	Description
Steam and Condensate System	In Phase III work, these lines were replaced: lateral line from the southeast corner of bldg 169 south to the northwest corner of bldg 410, then west to bldgs 166, 167, then northwest to join distirbution line just south of bldg 38.

Potential for Contamination
These old asbestos-covered steam lines were thought to have been replaced entirely with calcium silicate lines; but there is no supporting evidence.

Parcel:	Location:	Reference:
141	169, 397	BBK329, BBK044

Utility Type	Description
Steam and Condensate System	Lateral line between northeast corner of bldg 169 and northwest corner of bldg 297, runs east-west.

Potential for Contamination
Asbestos-covered steam line.

Parcel:	Location:	Reference:
141	Natural Gas System	BBK001

Utility Type	Description
Natural gas.	Supplied by PG&E through 2 mains.

Potential for Contamination
Several underground leaks have occurred with Class II and Class III lines.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
41	Natural Gas System	BBK001

Utility Type	Description
Natural gas.	Supplied by PG&E through 2 mains.

Potential for Contamination
Several underground leaks have occurred with Class II and Class III lines.

Parcel:	Location:	Reference:
41	169	EMC317

Utility Type	Description
Storm drains	W side flows to outfalls J and I. E side flows to outfall J.

Potential for Contamination
Yes. Potentially from building 169.

PARCEL 150

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
150	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Area appears to be water.	Public Affairs, NAS/NADEP Alameda	11/26/34	MAA-224-77 7	JLR016, JLR012 (MAP LOCATION)
150	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Area appears to be water.	Public Affairs, NAS/NADEP Alameda	5/3/40	Accordion folder #54 (NA 27)	JLR015, JLR012 (MAP LOCATION)
150	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Area appears to be water.	Public Affairs, NAS/NADEP Alameda	July 1942	#3462 (NA 27)	JLR014, JLR012 (MAP LOCATION)
150	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Staging area not apparent; paved area for planes/missiles.	Pacific Aerial Surveys	3/24/47	AV-11-08-0 6	JLR011, JLR012 (MAP LOCATION)
150	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Staging area not apparent; paved area for planes/missiles?	Pacific Aerial Surveys	8/14/53	AVM-1010	JLR010, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
150	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Staging area not apparent; paved area for planes.	Pacific Aerial Surveys	3/1/58	SF AREA-2-22	JLR009, JLR012 (MAP LOCATION)
150	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Staging area not apparent; paved area for planes; a few present.	Pacific Aerial Surveys	7/25/63	AV-550-07-21	JLR008, JLR012 (MAP LOCATION)
150	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Staging area not apparent; paved area for planes.	Pacific Aerial Surveys	4/20/66	AV-710-8-28	JLR007, JLR012 (MAP LOCATION)
150	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Staging area not apparent; paved area for planes.	Pacific Aerial Surveys	9/8/70	AV-965-7-24	JLR006, JLR012 (MAP LOCATION)
150	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Miscellaneous outside staging around buildings 620,618,619; primary area located W & N of buildings 618,619.	Pacific Aerial Surveys	9/4/75	AVM-1014 (aka: AV-1215-7-23 / AV-1215-8-21)	JLR005, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
150	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Miscellaneous outside staging around buildings 620,618,619; primary area located W & N of buildings 618,619.	Pacific Aerial Surveys	1/2/81	AV-2050-07-26	JLR004, JLR012 (MAP LOCATION)
150	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Miscellaneous outside staging around buildings 620,618,619; stained W & N of buildings 618,619; larger area than in 1990.	Pacific Aerial Surveys	5/13/85	AV-2655-3-13	JLR003, JLR012 (MAP LOCATION)
150	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Miscellaneous outside staging around buildings 620,618,619; very stained W of buildings 618,619.	Pacific Aerial Surveys	4/30/90	K-AV-3817-1-6	JLR002, JLR012 (MAP LOCATION)
150	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Miscellaneous outside staging around buildings 620,618,619; very stained W of buildings 618,619.	Pacific Aerial Surveys	4/8/92	AVM-1011	JLR001, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
150	- In 1947, parcel 150 appears to be a large lot used for aircraft parking and/or storage. - In 1953-1970, no change. - In 1975-1981, no change. - In 1985, building 620 is now present. - In 1990, building 621 is now present. - In 1992, five small buildings are now located S of building 621 and two small buildings are now present on the S side of the parcel 150 between parcels 202 and 151. - In 1993, no change.	Pacific Aerial Surveys			JLR073

NAS/NADEP ALAMEDA
Asbestos

Parcel	Location	Survey?	Asbestos?	Friable?	Location of Asbestos	Remarks	Reference
150	302E / Navigation Aid Target	No		No		- Informal assessment; no supporting evidence.	BBK007
150	586 / Sewage Lift Station	No		No		- Informal assessment; no supporting evidence.	BBK007
150	620 / Four Star Maintenance Building	No	Yes	Unknown		- Informal assessment; no supporting evidence.	BBK007

NAS/NADEP ALAMEDA
Building Information

Parcel	Location	Date Constructed	Sq Footage	Type of Construct.	Use	Applicable Date	Remarks	Reference
150	603	1976	169		aircraft rework shop			DB003
150	606	1977	288		aircraft rework shop			DB003
150	621		5,770		waterfront operations building			BBK200
150	620				Four Star maintenance			BBK200
150	586				Sewage Lift Station		200 gallons per minute.	BBK200

NAS/NADEP ALAMEDA
Building Inspection

Parcel:	Location:	Reference:
150	302E	RWB120; JLR070

Building Description	Evidence of chemical storage/use and location within building
- It is a pole for the Navy planes to use as identification while flying overhead or target. It is within two fenced in areas. It has a concrete base and the rest is made of a metal substance, probably steel. Photo 3-10-8.	- N / A

Other Issues
- N / A

Parcel:	Location:	Reference:
150	Building 621 and MINS off-site production support FAC storage area	RWB120; JLR070

Building Description	Evidence of chemical storage/use and location within building
- Corrugated steel exterior - Corrugated steel roof - Three roll-up doors - "Mare Island Naval Shipyard Remote Site Facility" - Current use: Machine shop — lathes, drill presses, etc. - Minor staining in and around all equipment on concrete - Next to building 621 — MINS remote off-site support facility storage area; corrugated steel entire building - Photo 3-10-3	- Miscellaneous minor amounts of oil (lube) for lathe, drill press; also minor amounts (small cans) solvent for cleaning - Small waste cans (oily waste)

Other Issues
- Transformer — outside building (SE corner)

NAS/NADEP ALAMEDA
Building Inspection

Parcel:	***Location:***	***Reference:***
150	620 — Machaon Services of Misalssippi – Family Housing Manbenam 6	RWB120, JLR070

Building Description	***Evidence of chemical storage/use and location within building***
- Housing maintenance building, one story - Outside is wood, plaster board walls inside and ceiling; concrete floor - Administration and maintenance for base housing - Roof wood and asphalt shake - Photo 3-10-6	- Gasoline tank — outside, aboveground - Latex paints: 29 one-gal. cans — see chemical inventory form - Miscellaneous volumes of unchlorinated solvents — see chemical inventory form - Adhesives ≈ twenty-five-gal.

Other Issues
- N / A

NAS/NADEP ALAMEDA
Chemical Inventory

Parcel	Location	Chemical Types	Quantities Stored	Uses and Mgmt Practices	Applicable Date	Reference
150	Open space — parcel 150 (NADEP) W border	- Storage of gasses (argon, oxygen, hydrogen) both flammable and nonflammable (carbon dioxide, nitrogen). They're in cylinders. - Drums are of unknown material; 26-gal. drums — contents unknown.	- ~ 300 of cylinders; 40 twenty-gal. containers; 200 of drums in open storage (55-gal.)	- Gate was locked. - Drums are stored on pallets. - Cylinders are stored on pallets both vertically and horizontally.	5/24/94	RWB120, JLR070
150	Outside space, parcel 150, outside building 621	- Paints solvents. - Drums of "CALLA" heavy duty cleaners (3 drums) temporary storage.	- < 20 gal. in cabinet - Three 55-gal. drums of cleaner	- Stored in cabinet (flammable). - Cleaner stored on pallets.	5/24/94	RWB120, JLR070
150	Building 621	- Oil-lube (for drill presses / lathes).	- Small volumes < 1 gal. observed.	- Stored in cans near equipment. - Disposal into small hazardous waste containers.	5/24/94	RWB120, JLR070
150	Building 620	- Chlorinated solvent - Paint - Adhesive	- < 1 gal. chlorinated solvent - 100 gal. paint - 25 gal. adhesive	- Stored in and around building — no storage area that is special.	5/24/94	RWB120, JLR070

NAS/NADEP ALAMEDA
Hazardous Waste

Parcel	Location(s)	Hazardous Waste?	Type/Quantity	Description	Applicable Dates	Reference
150	Outside space — E side, behind old planes	Yes	- Atmospheric gas oil and petroleum distillate oil - 5 five-gal. drums are abandoned on a site that looks like it had been demolished	- The cans have been abandoned — one was left open. They are full or partially full.	5/24/94	RWB120, JLR070
150	621 — Mare Island Naval Shipyard	Yes	- Ten empty 5-gal. latex paint cans - Used rags with oil, stored in bags	- At the fence line, near the NE corner of building , there is a hazardous waste accumulation area	5/24/94	RWB120, JLR070

NAS/NADEP ALAMEDA
Historical

Parcel	Location(s)	Subject(Historical building, Indian ruins,etc.)	Remarks	Reference
150	East end of NAS	In 1879, an oil refinery was constructed by Pacific Coast Oil Company.	Refinery later purchased by Standard Oil Company which operated the plant until 1903.	BBK009

NAS/NADEP ALAMEDA
Interview

Parcel	Location(s)	Name of Interviewee	Information	Reference
150	Aircraft parking/preserving	Phillip Vercelli NADEP employee from 1945-1982 Worked with Production Engineering Group during his last 12-13 years.	Aircraft were preserved and parked in this area. The engines were run periodically. There were fuel/oil spills associated with connecting and disconnecting the engines.	DB021

NAS/NADEP ALAMEDA

IR

Parcel:	Location:	Reference:
150	East of Seaplane Lagoon	KMT002

Describe source of contamination, including chemicals.	Describe Contamination
Not available from reference. (Potential contamination migration from IR site)	Part or all of parcel is in a ground water operable unit.

Describe Status of Investigation/remediation
N/A from reference

Parcel:	Location:	Reference:
150	East of Seaplane Lagoon	KMT003

Describe source of contamination, including chemicals.	Describe Contamination
Not available from reference. (Potential contamination migration from IR site)	Exact boundary of operable unit in unknown. Sampling has not occurred to define boundary.

Describe Status of Investigation/remediation
N/A from reference

Parcel:	Location:	Reference:
150	Former oil refinery	BBK009

Describe source of contamination, including chemicals.	Describe Contamination
From 1879 to 1903, the Pacific Coast Oil Company operated a refinery. (IR site or sites)	Refinery waste and asphalt-type residue were dumped on site, creating sufficient vapor pressure to disturb Navy-constructed surfacing in the 1940's.

Describe Status of Investigation/remediation
An area 30 feet square down to the old material was excavated. Concrete was poured over the entire area. Backfilling and resurfacing was done.

NAS/NADEP ALAMEDA
Miscellaneous Information

Parcel	Location	Subject	Remarks	Reference
150	S of 584	Diesel oil fuel tanks and fuel lines to associated buildings.	S of 584 fuel lines and associated diesel oil fuel tanks located in parcel 150.	EMC
150	Pier 3, Avenue N & 9th Street	Railroad tracks	Pier 3 has 6 tracks - 3 N side, 3 S side and one crossover track. Four tracks turn NE at the E end of the pier and end in parcel 160 just W of building 447. One of the pier 3 S side tracks turns NE at the E side of pier 3, cuts the NW corner of parcel 161 and crosses parcel 198 to meet another pier 3 track along the S side of Avenue N. One of the pier 3 N side tracks runs E along the S side of Avenue N along the parcel line touching parcels 160, 198, 163, 159, 160, 150. At the SW corner of parcel 150 this track turns NE brushing the E side of parcel 202 and then turning N to Avenue M and 9th Street. As this track travels along 9th Street a short branch leaves toward the NE and ends on the N side of Avenue L, S of building 164. At this branch the 9th Street track splits into two and the two tracks travel N along both sides of the street and junctions in parcel 134 exactly S of 97D and 97E. There is no crossover track that crosses 9th Street in parcel 134 between parcels 164 and 142.	EMC256
150	Building 621, pier 2, Avenue M & 9th Street	Railroad tracks	Track on Pier 2: Two tracks with 3 cross tracks connecting/merging them. One track along the N side of the pier travels E and then NE along the W side of Wharf 1 and joins the track from pier 1. The other track on the S side of Pier 2 travels E along the S side of Avenue M and when it is N of building 621 it turns NE into parcel 153 and joins a N/S track on 9th Street E of the SE corner of parcel 152.	EMC256
150	Open space (NE portion)	Sewage lift station	- N/A storm drains. - Sewage lift station # 8 - direction unknown.	RWB120, JLR070

NAS/NADEP ALAMEDA
Open Space Survey

Parcel:	Location:	Material Storage	Yes	Outdoor Repair	No	Equipment Parking	No	Is this open space developed?	No
150	Open space — SW portion, tenant US Eagle, Inc.	Wash Down	No	Training	No	Disposal	No	Other	
		Vehicle Parking	Yes	Drum Storage	No	Recreational	No		

Stains	Ground cover	Describe use	Reference:
- N / A	- Dirt, asphalt underneath; it's very deteriorated	- Storage yard for refuse containers and trucks - Trains used to run through the area as recently as ten years ago - Assorted oil stains on the dirt — see spills / incidents form. - Gas odor prevalent on parcel - Photo 3-11-10	RWB120

Are there drains in the area? No **Goes Where**

Parcel:	Location:	Material Storage	Yes	Outdoor Repair	Yes	Equipment Parking	No	Is this open space developed?	Yes
150	621 — Mare Island Naval Shipyard	Wash Down	No	Training	No	Disposal	Yes	Other	
		Vehicle Parking	Yes	Drum Storage	Yes	Recreational	No		

Stains	Ground cover	Describe use	Reference:
- Assorted small oil stains — two to three percent of parking area - Rust stain about five ft. by five ft.	- Concrete, asphalt and gravel	- Area was used for storing parts from ships (e.g. the USS Lincoln) Ownership of the area will be transferred to Puget Sound Shipyard next week - Area used for minor repairs that don't involve hazardous materials - Hazardous accumulation area along fence line at the NE corner of 621 - Mobile shipping containers are on the property. - Temporary storage of argon and oxygen - Temporary storage of cleaning equipment for ships. The equipment cleans the bilge area of ships. Detergent is used in the process.	RWB120, JLR070

NAS/NADEP ALAMEDA
Open Space Survey

Are there drains in the area? Yes ***Goes Where*** - Storm drain behind W side of building
- Storm drain behind E side of building

Parcel:	***Location:***	***Material Storage***	***Outdoor Repair***	***Equipment Parking***	***Is this open space developed?***
150	Parcel 150, open space S of building 621	No	No	No	Yes
		Wash Down No	***Training*** No	***Disposal*** No	***Other*** Exclusively drums / gas cylinders
		Vehicle Parking No	***Drum Storage*** Yes	***Recreational*** No	

Stains	***Ground cover***	***Describe use***	***Reference:***
- N / A	- Concrete / asphalt	- Drum storage on pallets within fenced area - Cylinder storage under overhang in fenced area - Drums ≈ 200 55-gal. drums, unknown material; 40 twenty-gal. containers - 200 to 300 gas cylinders - No secondary containment - Photo 3-10-5	RWB120, JLR070

Are there drains in the area? No ***Goes Where***

Parcel:	***Location:***	***Material Storage***	***Outdoor Repair***	***Equipment Parking***	***Is this open space developed?***
150	Building 620 open space	Yes	No	No	Yes
		Wash Down No	***Training*** No	***Disposal*** Yes	***Other*** N / A
		Vehicle Parking Yes	***Drum Storage*** Yes	***Recreational*** No	

Stains	***Ground cover***	***Describe use***	***Reference:***
- No vegetation	- 20 percent asphalt, 80 percent dirt / gravel	- Storage tank (aboveground) 1,000 to 1,200-gal. — poor secondary containment — broken cylinder blocks. - No base material (ground) - Parcel 151 — drum storage to W	RWB120, JLR070

NAS/NADEP ALAMEDA
Open Space Survey

Are there drains in the area? No ***Goes Where***

Parcel:	***Location:***	***Material Storage*** No	***Outdoor Repair*** No	***Equipment Parking*** No	***Is this open space developed?*** No
150	Open space parcel 150 (N central portion)	***Wash Down*** No	***Training*** No	***Disposal*** No	***Other*** N / A
		Vehicle Parking Yes	***Drum Storage*** No	***Recreational*** No	

Stains	***Ground cover***	***Describe use***	***Reference:***
- No vegetation - Small oil stains from cars in parking spots	- Asphalt (good condition)	- Exclusively parking - Miscellaneous oil stains in parking spots (from cars)	RWB120, JLR070

Are there drains in the area? Yes ***Goes Where*** - Not known, parking lot drained at NE corner

Parcel:	***Location:***	***Material Storage*** Yes	***Outdoor Repair*** No	***Equipment Parking*** Yes	***Is this open space developed?*** Yes
150	Open space, parcel 150 (NE portion)	***Wash Down*** No	***Training*** No	***Disposal*** No	***Other*** Airplane bodies, shells storage
		Vehicle Parking Yes	***Drum Storage*** No	***Recreational*** No	

Stains	***Ground cover***	***Describe use***	***Reference:***
- Stains in and around planes (oil) - Devoid of vegetation	- Broken deteriorated asphalt	- "CANs" parcel 149 to E (RCRA) - Planes stored and parted out - Miscellaneous oil stains on round - Four wood sheds in NE corner — various plane parts - Debris scattered over area - Extreme E area — demolished building (outside fence) — footprint only - Salvage area (D7) - Sewage lift station #8 located along M Street about 100 ft. distant from NE corner of	RWB120, JLR070

NAS/NADEP ALAMEDA
Open Space Survey

parcel Twelfth Street / M Street

Are there drains in the area? Yes ***Goes Where*** - N / A storm drains

- Sewage lift station #8 — direction unknown.

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
150	open space, lay down	Photo # 3-10-10 - Sewage lift station, photo facing S, NE of parcel seventy-five ft. from corner of M street and ? (maybe Twelfth Street).	- Sewage lift system #8	RWB001
150	Building 621	Photo # 3-10-3 - Photo facing S	- Facade of 621 Mare Island Naval Shipyard	RWB001
150	Building 621	Photo # 3-10-4 - Photo facing NE, equipment in NW corner of building	- Heavy equipment with oil stains and kitty litter.	RWB001
150	Open space storage	Photo # 3-10-5 - Open space, photo facing E	- Storage of gases and assorted unknown chemicals	RWB001
150	Building 620	Photo # 3-10-6 - Photo facing NW	- Front of building 620	RWB001
150	Building 620	Photo # 3-10-7 - Photo facing N	- Gasoline storage outside	RWB001
150	320E	Photo # 3-10-8 - Photo facing W	- Photo at 320E, it's a pole	RWB001
150	Open space, lay down area	Photo # 3-10-9 - Open space, E side closest to street, salvage area	- VOC cans, see hazardous waste forms	RWB001
150	Open space	Photo # 3-11-10 - Open space — photo facing NW	- General picture of area	RWB001
150	SW portion of parcel	Photo # 3-11-12 - Photo of parcel SW area of US Eagle Tenant, photo facing W	- Asphalt/dirt covering of parcel with oil stain	RWB001
150	SW portion of parcel	Photo # 3-11-11 - Photo of parcel SW area of US Eagle Tenant, photo facing W	- Asphalt/dirt covering of parcel with oil stain	RWB001

NAS/NADEP ALAMEDA
Spills and Incidents

Parcel	Location	Type of Incident	Date of Incident	Chemicals Involved	Amounts Spilled or Released	Cleanup, If Done	Reference
150	Open space — SW portion parcel 150	- Oil stains and gasoline odor toward N end of open space	- Unknown	- Gasoline / oil - "White powder" - Current tenant: US Eagle, Inc.	- Unknown volume - Currently present on dirt - ~ 20-30 percent covered - Very mixed with soil — dark brown colored - Stains at the base of "shed" in open area - Photos 3-11-11 and 3-11-12	- None	JLR070, RWB120
150	621 — Mare Island Naval Shipyard	- Staining surrounding machinery (photo 3-10-4)	- Unknown	- Probably lube oil from equipment	- Staining and slow spilling from machinery	- Kitty litter	RWB120, JLR070
150	Open space parcel 150 (N central portion)	- Miscellaneous oil stains in parking lot	- Unknown	- Oil from cars in parking lot	- Small volumes of oil stained on asphalt - ~ two to three-in. in size in each spot (< one-half percent of total area)	- None	RWB120, JLR070
150	Open space parcel 150 (NE portion)	- Miscellaneous oil stains	- Unknown	- Oil — apparently	- Small volumes of oil stain ground surface — stains one to two-in. diameter (five to ten percent of area)	- None	RWB120, JLR070
150	SE corner of Facility 584	Diesel spill	N/A from reference	Diesel	N/A from reference	N/A from reference	KMT002

NAS/NADEP ALAMEDA
Aboveground Storage Tanks

Parcel	Location	Storage Tank Size (Gallons)	Date Applicable	Type of Tank	Materials Stored	Remarks	Reference
150	620	1,000 to 1,200	5/24/94	Unknown	Gasoline	- Secondary containment surrounding the tank. It's just made of cement blocks. - Photo 3-10-7. - 4' diameter by 10', 125 cu. ft.	RWB120, JLR070

NAS/NADEP ALAMEDA
Title Search

Parcel	Location	Issues of Concern/Remarks	Transfer Information and date	Reference
150	SE portion of Base	Utilities easement reserved in civil 23109, 1944. Location unknown.	154.60 acres from Louis M. MacDermot in Civil Action # 23109 1944	DB008

NAS/NADEP ALAMEDA
Transformers

Parcel	Location	Transformer#	Size	Date Applicable	PCB's ?	PCB Class	Remarks	Reference
150	621	Unknown	500 kVA	5/24/94		Unknown	- Located on E side of building; outside. - Sample date 1/4/94. - Manufactured by Squire and Company. - Switches also located with transformer which is surrounded by fencing and is locked. - Presence or absence of PCBs is unknown.	RWB120, JLR070
150	S of 584	Unknown	Unknown	Unknown		Unknown	- S of 584. - Presence or absence of PCBs is unknown.	EMC314

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
150	South of Bldg. 584	EMC314

Utility Type	Description
electrical	oil/vacuum switch

Potential for Contamination

Parcel:	Location:	Reference:
150	584, 342	BBK326

Utility Type	Description
Fuel lines	Fuel line "probably in use" connects tanks 342A and B, and bldg 584.

Potential for Contamination
Possible contamination; fuel lines are not integrity tested.

Parcel:	Location:	Reference:
150	SG	EMC317

Utility Type	Description
Storm drains	Flows to outfalls J and P.

Potential for Contamination
Yes. Potentially from building SG.

Parcel:	Location:	Reference:
150	410	EMC317

Utility Type	Description
Storm drains	Flows to outfall J.

Potential for Contamination
Yes. Potentially from building 410.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
150	588	EMC317

Utility Type	Description
Storm drains	Flows to outfall J.

Potential for Contamination
Yes. Potentially from building 588.

Parcel:	Location:	Reference:
150	460A	EMC317

Utility Type	Description
Storm drains	Flows to outfall P. Flows to outfall J.

Potential for Contamination
Yes. Potentially from building 460A.

Parcel:	Location:	Reference:
150	620	EMC317

Utility Type	Description
Storm drains	Flows to outfall P.

Potential for Contamination
Yes. Potentially from building 620.

Parcel:	Location:	Reference:
150	619	EMC317

Utility Type	Description
Storm drains	Flows to outfall P.

NAS/NADEP ALAMEDA
Utilities Report

Potential for Contamination
Yes. Potentially from building 619.

Parcel:	***Location:***	***Reference:***
150	618	EMC317

Utility Type	***Description***
Storm drains	Flows to outfall P and J.

Potential for Contamination
Yes. Potentially from building 618.

Parcel:	***Location:***	***Reference:***
150	529	EMC317

Utility Type	***Description***
Storm drains	Flows to outfall P, and J

Potential for Contamination
Yes. Potentially from building 529.

Parcel:	***Location:***	***Reference:***
150	584	BBK328; BBK044

Utility Type	***Description***
Steam and Condensate System	Line begins at bldg 584 goes north and joins East-West main distribution line under Eighth St.

Potential for Contamination
These old asbestos-covered steam lines were thought to have been replaced entirely with calcium silicate lines; but there is no supporting evidence.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
150	S of Parcel 202	EMC314

Utility Type	Description
Electrical	1oil/vacuum switch 1: west side of 8th Avenue between M & N 1: west side of 8th Avenue at North (north side)

Potential for Contamination

Parcel:	Location:	Reference:
150	Natural Gas System	BBK001

Utility Type	Description
Natural gas.	Supplied by PG&E through 2 mains.

Potential for Contamination
Several underground leaks have occurred with Class II and Class III lines.

Parcel:	Location:	Reference:
160	Natural Gas System	BBK001

Utility Type	Description
Natural gas.	Supplied by PG&E through 2 mains.

Potential for Contamination
Several underground leaks have occurred with Class II and Class III lines.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
150	166	EMC317

Utility Type	Description
Storm drains	N side flows to outfall J and I. S side flows to outfalls K and O and P.

Potential for Contamination
Yes. Potentially from building 166.

Parcel:	Location:	Reference:
150	166	EMC317

Utility Type	Description
Storm drains	N side flows to outfall J and I. S side flows to outfalls K and O and P.

Potential for Contamination
Yes. Potentially from building 166.

Parcel:	Location:	Reference:
160	360	EMC317

Utility Type	Description
Storm drains	Flows to outfall P.

Potential for Contamination
Yes from bldg 360.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
150	530	EMC317

Utility Type	Description
Storm drains	Flows to outfalls P and J.

Potential for Contamination
Yes. Potentially from building 530.

Parcel:	Location:	Reference:
150	338	EMC317

Utility Type	Description
Storm drains	S side flows to outfall Q. N side flows to outfall P.

Potential for Contamination
Yes. Potentially from building 338.

NAS/NADEP ALAMEDA

Wastewater Report

Parcel:	Location:	Is Industrial Wastewater Generated?	Reference:
150	Outside space — adjacent to parking lot and salvage area D7		RWB120, JLR070

Types of Wastewater

- Unsure as to whether it is industrial or sanitary sewage.
- Lift station 8.
- Photo 3-10-10.

Discharge flow drain line

- No drain — just a lift station.

PARCEL 151

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
151	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Area appears to be water.	Public Affairs, NAS/NADEP Alameda	11/26/34	MAA-224-77 7	JLR016, JLR012 (MAP LOCATION)
151	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Area appears to be water.	Public Affairs, NAS/NADEP Alameda	5/3/40	Accordion folder #54 (NA 27)	JLR015, JLR012 (MAP LOCATION)
151	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Area appears to be water.	Public Affairs, NAS/NADEP Alameda	July 1942	#3462 (NA 27)	JLR014, JLR012 (MAP LOCATION)
151	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Staging area not apparent; paved area for planes/missiles.	Pacific Aerial Surveys	3/24/47	AV-11-08-0 6	JLR011, JLR012 (MAP LOCATION)
151	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Staging area not apparent; paved area for planes/missiles?	Pacific Aerial Surveys	8/14/53	AVM-1010	JLR010, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
151	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Staging area not apparent; paved area for planes.	Pacific Aerial Surveys	3/1/58	SF AREA-2-22	JLR009, JLR012 (MAP LOCATION)
151	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Staging area not apparent; paved area for planes; a few present.	Pacific Aerial Surveys	7/25/63	AV-550-07-21	JLR008, JLR012 (MAP LOCATION)
151	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Staging area not apparent; paved area for planes.	Pacific Aerial Surveys	4/20/66	AV-710-8-28	JLR007, JLR012 (MAP LOCATION)
151	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Staging area not apparent; paved area for planes.	Pacific Aerial Surveys	9/8/70	AV-965-7-24	JLR006, JLR012 (MAP LOCATION)
151	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Miscellaneous outside staging around buildings 620,618,619; primary area located W & N of buildings 618,619.	Pacific Aerial Surveys	9/4/75	AVM-1014 (aka: AV-1215-7-23 / AV-1215-8-21)	JLR005, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
151	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Miscellaneous outside staging around buildings 620,618,619; primary area located W & N of buildings 618,619.	Pacific Aerial Surveys	1/2/81	AV-2050-07 -26	JLR004, JLR012 (MAP LOCATION)
151	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Miscellaneous outside staging around buildings 620,618,619; stained W & N of buildings 618,619; larger area than in 1990.	Pacific Aerial Surveys	5/13/85	AV-2655-3-13	JLR003, JLR012 (MAP LOCATION)
151	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Miscellaneous outside staging around buildings 620,618,619; very stained W of buildings 618,619.	Pacific Aerial Surveys	4/30/90	K-AV-3817-1-6	JLR002, JLR012 (MAP LOCATION)
151	Entire parcel	- Staging area. - Map location: 30,31-X,Y. - Miscellaneous outside staging around buildings 620,618,619; very stained W of buildings 618,619.	Pacific Aerial Surveys	4/8/92	AVM-1011	JLR001, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
151	- In 1947, parcel is being used for aircraft parking. - In 1953-1981, no change. - In 1985, no change. - In 1990, building 618 is now present. - In 1992-1993, no change.	Pacific Aerial Surveys			JLR073

NAS/NADEP ALAMEDA
Asbestos

Parcel	Location	Survey?	Asbestos?	Friable?	Location of Asbestos	Remarks	Reference
151	618 / Pavement and Grounds Equipment Shed	Yes		No			BBK004
151	619 / Pavement and Grounds Equipment Shed	Yes		Unknown			BBK004
151	302E / Navigation Aid Target	No		No		- Informal assessment; no supporting evidence.	BBK007
151	586 / Sewage Lift Station	No		No		- Informal assessment; no supporting evidence.	BBK007

NAS/NADEP ALAMEDA
Building Information

Parcel	Location	Date Constructed	Sq Footage	Type of Construct.	Use	Applicable Date	Remarks	Reference
151	619		1,000		pavement and grounds equipment shed			BBK200
151	618		1,000		pavement and grounds equipment shed			BBK200
151	586				Sewage Lift Station		200 gallons per minute.	BBK200

NAS/NADEP ALAMEDA
Building Inspection

Parcel:	Location:	Reference:
151	618	RWB120

Building Description	Evidence of chemical storage/use and location within building
- Composed of corrugated metal, concrete floor, metal roof - Photo 3-11-6	- Storage of paints, paint thinner; oxidizers - See chemical inventory form

Other Issues
- N / A

Parcel:	Location:	Reference:
151	619	RWB120

Building Description	Evidence of chemical storage/use and location within building
- Metal siding, concrete floor, metal roof - Used as storage shed - Photo 3-11-7	- Storage of sodium hydroxide; cupric sulfate; sodium sulfate; roof sealer; asphalt/petroleum; trichlorotrifluoroethane (Forane 77); caustic soda

Other Issues
- N / A

NAS/NADEP ALAMEDA
Chemical Inventory

Parcel	Location	Chemical Types	Quantities Stored	Uses and Mgmt Practices	Applicable Date	Reference
151	618 — run by PWC	1. Flammable (synthetic resin enamel), chloronated or halogenated solvents 2. Oxidizer (calcium hypochlorite) 3. Latex paint	1. 50 X 5-gal. of halogenated solvent (paint thinners) 2. 40 X 5-gal. oxidizer 3. 200 X 1-gal. paint	- Paints and solvents are stored on metal pallets or wood pallets. They are stacked.	5/25/94	RWB120
151	619	1. Methylene phosphoric acid 2. Sodium hydroxide 3. Cupric sulfate 4. Sodium sulfite 5. Oil 6. Trichlorotrifluoroethane	1. 3 X 55-gal. 2. 20 X 55-gal. 3. 100-gal. 4. 15-gal. 5. 100-gal. 6. 150-gal.	- All are stored in 20, 40 or 55-gal. containers on wood pallets on the concrete floor or on wood pallets on the metal shelf		RWB120
151	618	NON HALOGENATED ORGANICS, CORROSIVES	GALLONS			EMC006
151	DRUM STORAGE @ SE CORNER OF YARD 618/619	PAINT	GALLONS	PAINT	9/30/93	EMC006
151	619	NON HALOGENATED ORGANICS, PAINT	GALLONS			EMC006
151	618	Corrosives	2,000 gal.	Chemical treatment for steam plants.	2/24/94	EMC017

NAS/NADEP ALAMEDA

IR

Parcel:	Location:	Reference:
151	East of Seaplane Lagoon	KMT002

Describe source of contamination, including chemicals.	Describe Contamination
Not available from reference. (Potential contamination migration from IR site)	Part or all of parcel is in a ground water operable unit.

Describe Status of Investigation/remediation
N/A from reference

Parcel:	Location:	Reference:
151	East of Seaplane Lagoon	KMT003

Describe source of contamination, including chemicals.	Describe Contamination
Not available from reference. (Potential contamination migration from IR site)	Exact boundary of operable unit in unknown. Sampling has not occurred to define boundary.

Describe Status of Investigation/remediation
N/A from reference

Parcel:	Location:	Reference:
151	Former oil refinery	BBK009

Describe source of contamination, including chemicals.	Describe Contamination
From 1879 to 1903, the Pacific Coast Oil Company operated a refinery. (IR site or sites)	Refinery waste and asphalt-type residue were dumped on site, creating sufficient vapor pressure to disturb Navy-constructed surfacing in the 1940's.

Describe Status of Investigation/remediation
An area 30 feet square down to the old material was excavated. Concrete was poured over the entire area. Backfilling and resurfacing was done.

NAS/NADEP ALAMEDA

Open Space Survey

Parcel	Location	Material Storage	Outdoor Repair	Equipment Parking	Is this open space developed?
151	Outside space —parcel 151	Yes	No	No	Yes
		Wash Down: No	Training: No	Disposal: No	
		Vehicle Parking: No	Drum Storage: Yes	Recreational: No	
					Other: Storage of large timber and treated (preserved) wood — used for building piers

Stains

- Many small stains beneath stored logs and treated timbers (≈ 80 to 90 percent); 2-in. to 3-in. diameter —> 1 ft. diameter
- No vegetation present
- Area near storm drain stained from washdown water (rainfall washdown) from logs/timber

Ground cover

- Asphalt — excellent condition

Describe use

- Central portion of open space (S central portion controlled by PWC) — large telephone poles and timbers treated with creosote and copper green, 50 ft. by 15 ft. high by 100 ft.
- Strong creosote odor, paint storage (drums) — ≈ 400-gal.
- Stained on asphalt
- Empty drums stored on NW corner of parcel, including within an open shed
- Photo 3-11-8

Reference:

JLR070, RWB120

Are there drains in the area? Yes ***Goes Where*** - One drain SE corner drains parcel, all washdown and rainwater collect here

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
151	618	Photo # 3-11-6 - Front of 618 - Facing S	- Front of building	RWB001
151	619	Photo # 3-11-7 - Front of 619 - Facing N	- Front of building	RWB001
151	Open space	Photo # 3-11-8 - Open space - Facing NW	- Photo of loop soaked in creosote	RWB001
151	Open space	Photo # 3-11-9 - Photo in SE quad of space - Photo facing N	- Storage area for logs and chemicals — drain	RWB001

NAS/NADEP ALAMEDA
Spills and Incidents

Parcel	Location	Type of Incident	Date of Incident	Chemicals Involved	Amounts Spilled or Released	Cleanup, If Done	Reference
151	Outside space, parcel 151	- Stained with creosote/copper green	- Stained currently	- Creosote/copper green, strong creosote odor	- Stained ~ 80 to 90 percent (2-in. to 3-in. — 1 ft. diameter) underneath timbers — dark staining, green staining near/around copper green timbers - Photo 3-11-8	- N / A	JLR070, RWB120
151	NAS Bldg. 619, Ave. N	Leaking drum		Cyclohexylamine	5 gallons	No waterways involved; Navy to cleanup.	BBK002
151	Bldg. 619, Avenue N	Hole in drum (Report No. 128140)	7/21/92	Cyclohexylamine	5 gallons	- Leak secured - Spilled material recanned	BBK002

NAS/NADEP ALAMEDA
Storm Water

Parcel	Location	Stormwater Discharge Points	Drainage Area and Sampling	Reference
151	Outside space, parcel 151	- Not known	- Drainage area is sink for runoff from creosote treated and copper green treated timbers and poles for pier construction — no sampling	JLR070, RWB120

NAS/NADEP ALAMEDA
Title Search

Parcel	Location	Issues of Concern/Remarks	Transfer Information and date	Reference
151	SE portion of Base Location unknown.	Utilities easement reserved in civil 23109, 1944.	154.60 acres from Louis M. MacDermot in Civil Action # 23109 1944	DB008

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
151	Natural Gas System	BBK001

Utility Type	Description
Natural gas.	Supplied by PG&E through 2 mains.

Potential for Contamination
Several underground leaks have occurred with Class II and Class III lines.

Parcel:	Location:	Reference:
151	Natural Gas System	BBK001

Utility Type	Description
Natural gas.	Supplied by PG&E through 2 mains.

Potential for Contamination
Several underground leaks have occurred with Class II and Class III lines.

Parcel:	Location:	Reference:
151	166	EMC017

Utility Type	Description
Storm drains	N side flows to outfall J and I. S side flows to outfalls K and O and P.

Potential for Contamination
Yes. Potentially from building 166.

Parcel:	Location:	Reference:
151	360	EMC017

Utility Type	Description
Storm drains	Flows to outfall P.

NAS/NADEP ALAMEDA
Utilities Report

Potential for Contamination
Yes from bldg 360.

Parcel:	Location:	Reference:
151	530	EMC317

Utility Type	Description
Storm drains	Flows to outfalls P and J.

Potential for Contamination
Yes. Potentially from building 530.

Parcel:	Location:	Reference:
151	338	EMC317

Utility Type	Description
Storm drains	S side flows to outfall Q. N side flows to outfall P.

Potential for Contamination
Yes. Potentially from building 338.

Parcel:	Location:	Reference:
151	SG	EMC317

Utility Type	Description
Storm drains	Flows to outfalls J and P.

Potential for Contamination
Yes. Potentially from building SG.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
151	410	EMC317

Utility Type	Description
Storm drains	Flows to outfall J.

Potential for Contamination
Yes. Potentially from building 410.

Parcel:	Location:	Reference:
151	588	EMC317

Utility Type	Description
Storm drains	Flows to outfall J.

Potential for Contamination
Yes. Potentially from building 588.

Parcel:	Location:	Reference:
151	460A	EMC317

Utility Type	Description
Storm drains	Flows to outfall P. Flows to outfall J.

Potential for Contamination
Yes. Potentially from building 460A.

Parcel:	Location:	Reference:
151	620	EMC317

Utility Type	Description
Storm drains	Flows to outfall P.

NAS/NADEP ALAMEDA
Utilities Report

Potential for Contamination Yes. Potentially from building 620.

Parcel: 151	***Location:*** 619	***Reference:*** EMC317
Utility Type Storm drains	***Description*** Flows to outfall P.	
Potential for Contamination Yes. Potentially from building 619.		

Parcel: 151	***Location:*** 618	***Reference:*** EMC317
Utility Type Storm drains	***Description*** Flows to outfall P and J.	
Potential for Contamination Yes. Potentially from building 618.		

Parcel: 151	***Location:*** 529	***Reference:*** EMC317
Utility Type Storm drains	***Description*** Flows to outfall P, and J	
Potential for Contamination Yes. Potentially from building 529.		

PARCEL 153

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
153	- In 1947, parcel is a parking and storage area. - In 1953-1993, no change.	Pacific Aerial Surveys			JLR073

NAS/NADEP ALAMEDA
Asbestos

Parcel	Location	Survey?	Asbestos?	Friable?	Location of Asbestos	Remarks	Reference
153	351 / Corrosion Control Shop (NADEP)	No	Yes	Unknown		- Informal assessment; no supporting evidence.	BBK007
153	588 / Industrial Waste Pump Station #3	No		No		- Informal assessment; no supporting evidence.	BBK007

NAS/NADEP ALAMEDA
Building Information

Parcel	Location	Date Constructed	Sq Footage	Type of Construct.	Use	Applicable Date	Remarks	Reference
153	351	1949	2,000	concrete slab, metal panel	line crew shelter	3/90	Authorized for demolition.	DB006
153	351	1949	946		Corrosion control - clean shop			DB003
153	588				Industrial Waste Pump Station #3		100 gallons per minute.	BBK200

NAS/NADEP ALAMEDA
Building Inspection

Parcel:	Location:	Reference:
183	B88	JWL070

Building Description	Evidence of chemical storage/use and location within building
- Open shed-like metal beam structure covering some small tanks and the control panels for the IWTP (B588 is the IWTP). No side walls, only a corrugated roof. The IWTP is abandoned. The ground level part of the structure is walled with chain-linked fencing.	- Much chemical storage has occurred. The structure consist of a series of tanks and pipes used to pretreat industrial wastewater prior to discharge to sanitary sewer line. Signs of staining on the ground and signs of tank leaks on the sides of the older tanks.

Other Issues
- No transformers or IH issues.

Parcel:	Location:	Reference:
183	351 — corrosion control	RWB120

Building Description	Evidence of chemical storage/use and location within building
- Used to be for corrosive control. It's now vacant and locked. Through a window we could see it was empty - The floor is concrete, the walls and ceiling are made of corrugated metal. It's the shape of half a cylinder - Photo 3-11-13	- N / A - Floors looked to be stained — see spills / incidents form

Other Issues
- N / A

NAS/NADEP ALAMEDA
Chemical Inventory

Parcel	Location	Chemical Types	Quantities Stored	Uses and Mgmt Practices	Applicable Date	Reference
153	B588	- Former IWTP chemicals (currently abandoned). - Current chemicals present: Polymer solvent / solvents / petroleum products / thinner.	- 5 to 10 gal. polymer solvent. - Unknown quantity former IWTP chemicals.	- Eight 55-gal. drums have removable tops and four contain no liquids, only cloth rags labeled as "clean." The other four drums appear empty. - One skid holding 11 canisters and small drums of various sizes generally labeled as solvents or petroleum products or thinners. - All drums/canisters are located on concrete pad. - Three 20-gal. plastic drums, no signs of leakage. These drums are full, contents are unknown.	5/26/94	JLR070

NAS/NADEP ALAMEDA
Hazardous Waste

Parcel	Location(s)	Hazardous Waste?	Type/Quantity	Description	Applicable Dates	Reference
153	B588	Yes	- Current quantity — none - Former quantity — unknown - Type — unknown	- Storage area - Management unknown - Currently abandoned IWTP	5/26/94	JLR070

NAS/NADEP ALAMEDA
Historical

Parcel	Location(s)	Subject(Historical building, indian ruins,etc.)	Remarks	Reference
153	Area east of Pier 1	Fill material	This area was filled with material taken from the channel and turning basin associated with the construction of Pier 3. Fill material potentially contaminated.	EMC217

NAS/NADEP ALAMEDA
Interview

Parcel	Location(s)	Name of Interviewee	Information	Reference
153	NADEP Buildings 351	Elizabeth Berman 263-7179	No lead paint used or disposed at NADEP since lead paint was prohibited No lead remediation or abatement at NADEP No lead testing at NADEP	EMC221, EMC224
153	Aircraft degassing	Phillip Vercelli NADEP employee from 1945-1982 Worked with Production Engineering Group during his last 12-13 years.	There were significant fuel spills associated with connecting and disconnecting the engines. NADEP would have information on these activities.	DB021

NAS/NADEP ALAMEDA
IR

Parcel:	Location:	Reference:
153	East of Seaplane Lagoon	KMT002

Describe source of contamination, including chemicals.	Describe Contamination
Not available from reference. (Potential contamination migration from IR site)	Part or all of parcel is in a ground water operable unit.

Describe Status of Investigation/remediation
N/A from reference

Parcel:	Location:	Reference:
153	East of Seaplane Lagoon	KMT003

Describe source of contamination, including chemicals.	Describe Contamination
Not available from reference. (Potential contamination migration from IR site)	Exact boundary of operable unit in unknown. Sampling has not occurred to define boundary.

Describe Status of Investigation/remediation
N/A from reference

NAS/NADEP ALAMEDA
Miscellaneous Information

Parcel	Location	Subject	Remarks	Reference
153	Open space	Railroad tracks cutting through the parcel's open space	- Tracks are old and well worn. Abandoned now. Cargo from train cars unknown. Unknown spill history. - Switching controls / levers are enclosed in creosite coated wooden vaults along the tracks.	JLR070
153	Pier 3, Avenue N & 9th Street	Railroad tracks	Pier 3 has 6 tracks - 3 N side, 3 S side and one crossover track. Four tracks turn NE at the E end of the pier and end in parcel 160 just W of building 447. One of the pier 3 S side tracks turns NE at the E side of pier 3, cuts the NW corner of parcel 161 and crosses parcel 198 to meet another pier 3 track along the S side of Avenue N. One of the pier 3 N side tracks runs E along the S side of Avenue N along the parcel line touching parcels 160, 198, 163, 159, 160, 150. At the SW corner of parcel 150 this track turns NE brushing the E side of parcel 202 and then turning N to Avenue M and 9th Street. As this track travels along 9th Street a short branch leaves toward the NE and ends on the N side of Avenue L, S of building 164. At this branch the 9th Street track splits into two and the two tracks travel N along both sides of the street and junctions in parcel 134 exactly S of 97D and 97E. There is no crossover track that crosses 9th Street in parcel 134 between parcels 164 and 142.	EMC256

NAS/NADEP ALAMEDA
Oil/Water Separator

Parcel	Location(s)	Detailed Location	Applicable Date(s)	Description	Reference
153	588	SE corner of 588			EMC308, EMC316

NAS/NADEP ALAMEDA
Open Space Survey

Parcel:	Location:	Material Storage Yes	Outdoor Repair No	Equipment Parking Yes	Is this open space developed? Yes
153	All of the open space	Wash Down No	Training No	Disposal No	Other
		Vehicle Parking Yes	Drum Storage No	Recreational No	

Stains

- Occasional staining on asphalt / dirt covering — a separate stain report has been compiled. A few large stains ≈ five-in. in diameter, and a few trivial small stains (oil or hydraulic fluid most likely for all stains)

Ground cover

- Old, worn out asphalt mostly, some dirt coverage

Describe use

- Storage of large avionics equipment. Most items are in large wooden crates. A lot of rusting metal. Abandoned railroad tracks are present. See photo 16-1-2. A separate miscellaneous form has been completed on the railroad tracks.
- Parcel 152, the neighboring parcel, is an abandoned industrial wastewater treatment plant. No runoff control is found.
- NOTE: the E edge of parcel 153's open space has, for this review only, been extended about fifty yd. to the E to an existing fence line. We have infringed into parcel 211's open space.
- There is a large steam trap of some sort (see photo 16-1-16) located on the S end of the open space, just S of building 410. The top is venting a lot of steam an maintenance personnel are on the site. Ponding water is forming around the edges from steam condensate.

Reference:

JLR070

Are there drains in the area? No **Goes Where**

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
153	Open space	Photo # 16-1-1 - S central portion of parcel 153, near abandoned railroad tracks	- Stain on open parcel	FWF001
153	Building 410	Photo # 16-1-10 - Looking E along the N side of parcel 153, just N of building 410	- Concrete mixing vault (foreground), tanks and controls for the rest of the industrial wastewater treatment plant	FWF001
153	Building 588	Photo # 16-1-11 - Looking ESE from the N of building 588	- Storage tanks used by the IWTP	FWF001
153	Building 588	Photo # 16-1-12 - Looking ESE from the N of building 588	- Elevated storage tank and controls for the IWTP	FWF001
153	Building 588	Photo # 16-1-13 - Looking S from the N of building 588	- Stain from over filled tank	FWF001
153	Open space	Photo # 16-1-2 - N end of parcel, looking S through entrance gate	- Equipment in storage, railroad tracks, pavement covering	FWF001
153	Open space	Photo # 16-1-6 - S end of parcel looking N, building 410 in background	- Steam trap of some sort; venting a lot of steam, maintenance personnel on the site	FWF001
153	351	Photo # 3-11-13 - Photo of 351 - Photo facing E	- Front of building	RWB001

NAS/NADEP ALAMEDA
Spills and Incidents

Parcel	Location	Type of Incident	Date of Incident	Chemicals Involved	Amounts Spilled or Released	Cleanup, If Done	Reference
153	Outside space — parcel 153	- Stain — oily appearance	- Unknown	- Oil apparently	- Unknown volume - Five ft. by three ft. — S central part of parcel near abandoned railroad tracks - Two ft. by two ft. — near center of parcel - Stains ~ < one percent of parcel, small ~ three in. diameter - Mostly oil stains	- N / A	JLR070
153	588 — the IWTP	- Spills of various size and color	- Unknown	1. Some oils — small stains (greater than two ft. diameter) 2. A large white stain from a tank overfilled — alum maybe or some neutralizing / coagulating agent	1. Thirty to forty gal. of alum-like compound, see photo 16-1-13 2. Oils — all spills very small 3. There is also a tank marked "sulfuric acid" with a lot of staining/dripping marks on its side. 4. A second large white stain is located around a stainless steel tank. 5. Heavy dark staining around a large chemical-feed hopper. Hopper is labeled as "caustic." 6. All of these stains are with a 100'x30' area of B588.	- None — the IWTP is out of service	JLR070
153	351	- Staining on floor	- Unknown	- Unknown — building vacant	- Affected area, 10 percent of concrete floor - Whitish and grayish stains	- N / A	RWB120, JLR070

NAS/NADEP ALAMEDA
Aboveground Storage Tanks

Parcel	Location	Storage Tank Size (Gallons)	Date Applicable	Type of Tank	Materials Stored	Remarks	Reference
153	Building 588	Various: 500 - 20,000	Abandoned	Steel (all tanks)	Sulfuric acid, wastewater, caustic	- Numerous tanks — eight total aboveground storage tanks. - All for IWTP process. - All abandoned. - Marked tanks T402, T413, T414, T415: Sulfuric acid, effluent discharge, clarifier, flow equalization, neutralization. Photos 16-1-11, 16-1-2 show all tanks. - Photo 16-1-13: Stained area from spill (former). - One tank clearly appeared to have overflowed at one time. - Areas beneath oil tanks — corroded and caked with residue.	JLR070

NAS/NADEP ALAMEDA
Underground Storage Tanks

Parcel	Location	Storage Tank Size (Gallons)	Date Applicable	Type of Tank	Materials Stored	Remarks	Reference
153	Building 588	~ 16,000	Unknown	Concrete	Wastewater	- Surface vaults for neutralization / mixing (possibly two-chambers); ~ six ft. deep, twelve ft. wide, thirty ft. long. - Currently abandoned . - Liquid (1 to 2 ft. at bottom). - Wastewater from building 410.	JLR070

NAS/NADEP ALAMEDA
Title Search

Parcel	Location	Issues of Concern/Remarks	Transfer Information and date	Reference
153	SE portion of Base	Utilities easement reserved in civil 23109, 1944. Location unknown.	154.60 acres from Louis M. MacDermot in Civil Action # 23109 1944	DB008

NAS/NADEP ALAMEDA
Transformers

Parcel	Location	Transformer#	Size	Date Applicable	PCB's ?	PCB Class	Remarks	Reference
153	351	Unknown	Unknown	Unknown		Unknown	- S of 351. - Presence or absence of PCBs is unknown.	EMC314

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
153	530	EMC308

Utility Type	Description
Sanitary sewers	Line flows NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from building 530.

Parcel:	Location:	Reference:
153	166	EMC316

Utility Type	Description
Industrial sewer	Flows NW to parcel 061 where it joins the sanitary sewer line to East Bay Municipal Utilities District (EBMUD).

Potential for Contamination
Yes. Potentially from building 166.

Parcel:	Location:	Reference:
153	529	EMC316

Utility Type	Description
Industrial sewer	Flows to parcel 61 where it joins the sanitary sewer line to East Bay Municipal Utilities District (EBMUD).

Potential for Contamination
Yes. Potentially from building 529.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
153	410	EMC316

Utility Type	Description
Industrial sewer	Flows NW to parcel 61 where it joins the sanitary sewer line to East Bay Municipal Utilities District (EBMUD).

Potential for Contamination
Yes. Potentially from building 410.

Parcel:	Location:	Reference:
153	167	EMC316

Utility Type	Description
Industrial sewer	Flows NW to parcel 61 where it joins the sanitary sewer line to East Bay Municipal Utilities District (EBMUD).

Potential for Contamination
Yes. Potentially from building 167.

Parcel:	Location:	Reference:
153	169	EMC317

Utility Type	Description
Storm drains	W side flows to outfalls J and I. E side flows to outfall J.

Potential for Contamination
Yes. Potentially from building 169.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
153	166	EMC317

Utility Type	Description
Storm drains	N side flows to outfall J and I. S side flows to outfalls K and O and P.

Potential for Contamination
Yes. Potentially from building 166.

Parcel:	Location:	Reference:
153	167, 166, 410, 169	BBK329, BBK044

Utility Type	Description
Steam and Condensate System	In Phase III work, these lines were replaced: lateral line from the southeast corner of bldg 169 south to the northwest corner of bldg 410, then west to bldgs 166, 167, then northwest to join distirbution line just south of bldg 38.

Potential for Contamination
These old asbestos-covered steam lines were thought to have been replaced entirely with calcium silicate lines; but there is no supporting evidence.

Parcel:	Location:	Reference:
163	530	BBK329, BBK044

Utility Type	Description
Steam and Condensate System	In Phase III work, these lines were replaced: lateral line from the northwest corner of parcel 211, east to northwest of bldg 410, then south along western edge of bldg 410.

Potential for Contamination
These old asbestos-covered steam lines were thought to have been replaced entirely with calcium silicate lines; but there is no supporting evidence.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
153	530	EMC317

Utility Type	Description
Storm drains	Flows to outfalls P and J.

Potential for Contamination
Yes. Potentially from building 530.

Parcel:	Location:	Reference:
153	338	EMC317

Utility Type	Description
Storm drains	S side flows to outfall Q. N side flows to outfall P.

Potential for Contamination
Yes. Potentially from building 338.

Parcel:	Location:	Reference:
153	SG	EMC317

Utility Type	Description
Storm drains	Flows to outfalls J and P.

Potential for Contamination
Yes. Potentially from building SG.

Parcel:	Location:	Reference:
153	410	EMC317

Utility Type	Description
Storm drains	Flows to outfall J.

NAS/NADEP ALAMEDA
Utilities Report

Potential for Contamination
Yes. Potentially from building 410.

Parcel:	Location:	Reference:
153	668	EMC317

Utility Type	Description
Storm drains	Flows to outfall J.

Potential for Contamination
Yes. Potentially from building 588.

Parcel:	Location:	Reference:
153	460A	EMC317

Utility Type	Description
Storm drains	Flows to outfall P. Flows to outfall J.

Potential for Contamination
Yes. Potentially from building 460A.

Parcel:	Location:	Reference:
153	620	EMC317

Utility Type	Description
Storm drains	Flows to outfall P.

Potential for Contamination
Yes. Potentially from building 620.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
153	619	EMC317

Utility Type	Description
Storm drains	Flows to outfall P.

Potential for Contamination
Yes. Potentially from building 619.

Parcel:	Location:	Reference:
153	618	EMC317

Utility Type	Description
Storm drains	Flows to outfall P and J.

Potential for Contamination
Yes. Potentially from building 618.

Parcel:	Location:	Reference:
153	529	EMC317

Utility Type	Description
Storm drains	Flows to outfall P, and J

Potential for Contamination
Yes. Potentially from building 529.

NAS/NADEP ALAMEDA

Wastewater Report

Parcel:	Location:	Is Industrial Wastewater Generated?	Reference:
153	Building 688	Yes	JLR070

Types of Wastewater	Discharge flow drain line
- IWTP abandoned — after treatment of waste from building 410 at IWTP wastewater flowed into sewer system at IWPS #3 location.	- Discharge to IWPS #3.

PARCEL 154

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
154	167	- SHIPBD A/C Supp. Equipment (NADEP). - Map location: 27-W. - Building not apparent; water present at this location.	Public Affairs, NAS/NADEP Alameda	11/26/34	MAA-224-77 7	JLR016, JLR012 (MAP LOCATION)
154	Southern half of parcel	- Staging area. - Map location: 27,28-W. - Area appears to be water.	Public Affairs, NAS/NADEP Alameda	11/26/34	MAA-224-77 7	JLR016, JLR012 (MAP LOCATION)
154	167	- SHIPBD A/C Supp. Equipment (NADEP). - Map location: 27-W. - Building not apparent; water present at this location.	Public Affairs, NAS/NADEP Alameda	5/3/40	Accordion folder #54 (NA 27)	JLR015, JLR012 (MAP LOCATION)
154	Southern half of parcel	- Staging area. - Map location: 27,28-W. - Area appears to be water.	Public Affairs, NAS/NADEP Alameda	5/3/40	Accordion folder #54 (NA 27)	JLR015, JLR012 (MAP LOCATION)
154	167	- SHIPBD A/C Supp. Equipment (NADEP). - Map location: 27-W. - Building not apparent; water present at this location.	Public Affairs, NAS/NADEP Alameda	July 1942	#3462 (NA 27)	JLR014, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
154	Southern half of parcel	- Staging area. - Map location: 27,28-W. - Area appears to be water.	Public Affairs, NAS/NADEP Alameda	July 1942	#3462 (NA 27)	JLR014, JLR012 (MAP LOCATION)
154	167	- SHIPBD A/C Supp. Equipment (NADEP). - Map location: 27-W. - Building apparent.	Pacific Aerial Surveys	3/24/47	AV-11-08-0 6	JLR011, JLR012 (MAP LOCATION)
154	Southern half of parcel	- Staging area. - Map location: 27,28-W. - Staging area not apparent; staining very apparent around building 166; also widespread S of buildings 166 and 167.	Pacific Aerial Surveys	3/24/47	AV-11-08-0 6	JLR011, JLR012 (MAP LOCATION)
154	167	- SHIPBD A/C Supp. Equipment (NADEP). - Map location: 27-W. - Building apparent.	Pacific Aerial Surveys	8/14/53	AVM-1010	JLR010, JLR012 (MAP LOCATION)
154	Southern half of parcel	- Staging area. - Map location: 27,28-W. - Staging area not apparent; staining very apparent around building 166; also widespread S of 166 and 167.	Pacific Aerial Surveys	8/14/53	AVM-1010	JLR010, JLR012 (MAP LOCATION)
154	167	- SHIPBD A/C Supp. Equipment (NADEP). - Map location: 27-W. - Building apparent.	Pacific Aerial Surveys	3/1/58	SF AREA-2-22	JLR009, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
154	Southern half of parcel	- Staging area. - Map location: 27,28-W. - Staging area not apparent; paved area for planes; staining apparent, especially S of building 167.	Pacific Aerial Surveys	3/1/58	SF AREA-2-22	JLR009, JLR012 (MAP LOCATION)
154	167	- SHIPBD A/C Supp. Equipment (NADEP). - Map location: 27-W. - Building apparent.	Pacific Aerial Surveys	7/25/63	AV-550-07-21	JLR008, JLR012 (MAP LOCATION)
154	Southern half of parcel	- Staging area. - Map location: 27,28-W. - Staging area not apparent; paved area for planes; staining apparent S of buildings 166 and 167.	Pacific Aerial Surveys	7/25/63	AV-550-07-21	JLR008, JLR012 (MAP LOCATION)
154	167	- SHIPBD A/C Supp. Equipment (NADEP). - Map location: 27-W. - Building apparent.	Pacific Aerial Surveys	4/20/66	AV-710-8-28	JLR007, JLR012 (MAP LOCATION)
154	Southern half of parcel	- Staging area. - Map location: 27,28-W. - Staging area not apparent; paved area for planes; staining apparent, especially S of building 166.	Pacific Aerial Surveys	4/20/66	AV-710-8-28	JLR007, JLR012 (MAP LOCATION)
154	167	- SHIPBD A/C Supp. Equipment (NADEP). - Map location: 27-W. - Building apparent.	Pacific Aerial Surveys	9/8/70	AV-965-7-24	JLR006, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
154	Southern half of parcel	- Staging area. - Map location: 27,28-W. - Staging area not apparent; paved area for planes; staining apparent.	Pacific Aerial Surveys	9/8/70	AV-965-7-2 4	JLR006, JLR012 (MAP LOCATION)
154	167	- SHIPBD A/C Supp. Equipment (NADEP). - Map location: 27-W. - Building apparent.	Pacific Aerial Surveys	9/4/75	AVM-1014 (aka: AV-1215-7-23 / AV-1215-8-21)	JLR005, JLR012 (MAP LOCATION)
154	Southern half of parcel	- Staging area. - Map location: 27,28-W. - Miscellaneous outside staging S of buildings 166 and 167; minimal staging apparent.	Pacific Aerial Surveys	9/4/75	AVM-1014 (aka: AV-1215-7-23 / AV-1215-8-21)	JLR005, JLR012 (MAP LOCATION)
154	167	- SHIPBD A/C Supp. Equipment (NADEP). - Map location: 27-W. - Building apparent.	Pacific Aerial Surveys	1/2/81	AV-2050-07 -26	JLR004, JLR012 (MAP LOCATION)
154	Southern half of parcel	- Staging area. - Map location: 27,28-W. - Miscellaneous outside staging S of buildings 166 and 167; some areas are stained.	Pacific Aerial Surveys	1/2/81	AV-2050-07 -26	JLR004, JLR012 (MAP LOCATION)
154	167	- SHIPBD A/C Supp. Equipment (NADEP). - Map location: 27-W. - Building apparent.	Pacific Aerial Surveys	5/13/85	AV-2655-3-13	JLR003, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
154	Southern half of parcel	- Staging area. - Map location: 27,28-W. - Miscellaneous outside staging S of buildings 166 and 167; some areas are stained.	Pacific Aerial Surveys	5/13/85	AV-2655-3-13	JLR003, JLR012 (MAP LOCATION)
154	167	- SHIPBD A/C Supp. Equipment (NADEP). - Map location: 27-W. - Building apparent.	Pacific Aerial Surveys	4/30/90	K-AV-3817-1-6	JLR002, JLR012 (MAP LOCATION)
154	Southern half of parcel	- Staging area. - Map location: 27,28-W. - Miscellaneous outside staging S of buildings 166 and 167.	Pacific Aerial Surveys	4/30/90	K-AV-3817-1-6	JLR002, JLR012 (MAP LOCATION)
154	167	- SHIPBD A/C Supp. Equipment (NADEP). - Map location: 27-W. - Building apparent.	Pacific Aerial Surveys	4/8/92	AVM-1011	JLR001, JLR012 (MAP LOCATION)
154	Southern half of parcel	- Staging area. - Map location: 27,28-W. - Miscellaneous outside staging S of buildings 166 and 167.	Pacific Aerial Surveys	4/8/92	AVM-1011	JLR001, JLR012 (MAP LOCATION)

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
154	Outside area N and S of buildings 166 and 167, E of 166	This area is generally open space adjacent to buildings 166 and 167. A few planes are parked on the S side of the two buildings. The aerial photo shows this area to be considerably stained, particularly around and beneath the planes.	Pacific Aerial Surveys	4/20/66	AV-710-8-2 8	JLR007
154	Outside area N and S of buildings 166 and 167, E of 166	This area is generally open space adjacent to buildings 166 and 167. One plane is parked on the S side of building 166. The aerial photo shows this area to be considerably stained, particularly around and beneath the plane. The stained areas appear to be darkest on the N and S sides of both buildings. Staining is more prevalent on this photo than on the 1966 photo.	Pacific Aerial Surveys	7/25/63	AV-550-07- 21	JLR008

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
154	Outside area N and S of buildings 166 and 167, E of 166	This area is generally open space adjacent to buildings 166 and 167. The aerial photo shows this area to be considerably stained, particularly around and beneath missiles that appear to be staged near the buildings. The stained areas appear to be darkest on the N and S sides of both buildings. Staining is more prevalent on this photo than on the 1963 photo.	Pacific Aerial Surveys	3/1/58	SF AREA-2-22	JLR009

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
154	Outside area N and S of buildings 166 and 167, E of 166	This area is generally open space adjacent to buildings 166 and 167. The aerial photo shows this area to be extremely stained, particularly around and beneath missiles that appear to be staged near the buildings. Two small planes also appear on the E side of building 166; the area around and beneath these planes is stained. The stained areas appear to be darkest on the N, S, and E sides of the buildings. Staining is even more prevalent on this photo than on the 1958 photo.	Pacific Aerial Surveys	8/14/53	AVM-1010	JLR010

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
154	Outside area N and S of buildings 166 and 167, E of 166	This area is generally open space adjacent to buildings 166 and 167. The aerial photo shows this area to be extremely stained, particularly around and beneath missiles that appear to be staged near the buildings. Several planes also appear on the E side of building 166; the area around and beneath these planes is stained. The stained areas appear to be darkest on all sides of the buildings. Staining is even more prevalent on this photo than on the 1953 photo.	Pacific Aerial Surveys	3/24/47	AV-11-08-0 6	JLR011

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
154	- In 1947, parcel is used for aircraft parking and storage, building 167 is present. - In 1953, the soils or asphalts is stained and building 287 is present. - In 1958-1963, no change. - In 1966, building 318 is present. - In 1970, no change. - In 1975, building 555 is present. - In 1981-1985, no change. - In 1990, building 318 is no longer present. - In 1992-1993, no change.	Pacific Aerial Surveys			JLR073

NAS/NADEP ALAMEDA
Asbestos

Parcel	Location	Survey?	Asbestos?	Friable?	Location of Asbestos	Remarks	Reference
154	Building 167	No		Unknown	- Insulation on steam pipes and other pipes is shrouded with white fabric jacket. Shrouded pipes are found throughout building.	- It is unknown whether an asbestos survey has been done. - Presence or absence of asbestos is unknown.	ASC3001
154	167 / Shipboard A/C Support Equipment (NADEP)	No	Yes	Unknown		- Visual inspection only.	BBK006
154	287 / Sewage Pump Station (PWC)	No		No		- Informal assessment; no supporting evidence.	BBK007
154	340 / Fire Protection Pump House (PWC)	Yes		Unknown			BBK004
154	555 / Electrical Sub-Station #6	No		No		- Informal assessment; no supporting evidence.	BBK007

NAS/NADEP ALAMEDA
Asbestos Removal/Renovation

Parcel	Location	Renovation/ Removal?	Date Done	Description	Reference
154	Building 167	Yes		- Insulation on piping wrapped and/or transite encapsulated. - Date done is unknown.	BBK011

NAS/NADEP ALAMEDA
Building Information

Parcel	Location	Date Constructed	Sq Footage	Type of Construct.	Use	Applicable Date	Remarks	Reference
154	167						Generator Accumulation Point(GAP) site 67 is inactive.	EMC204
154	167	1946	55,400	concrete floor, steel frame with hardboard siding, stucco walls, tar/gravel built-up roof	Dynamic components shop; plant services for aircraft overhaul; shipbd aircraft supp. equipment		Building used for Prop shop and air-launch retrieval (for 15-20 years) when Hunters Point was closed.	DB003, DB004, DB020
154	340					1953	Demolished.	EMC300
154	318				light tower	10/86	Demolished.	DB006
154	167				Prop shop & aircraft preservation	1/66		EMC257
154	555				Electrical Substation		12 kVA	BBK200
154	340				Fire Protection Pump House		3,050 gallons per minute.	BBK200
154	287				Sewage Pump Station		1,000 gallons per minute.	BBK200

NAS/NADEP ALAMEDA
Building Inspection

Parcel:	Location:	Reference:
154	Building 318	DRK001

Building Description	Evidence of chemical storage/use and location within building
- Building demolished, see open space survey form , W and far S of building 167.	N/A

Other Issues

Parcel:	Location:	Reference:
154	Building 287	DRK001

Building Description	Evidence of chemical storage/use and location within building
- Sewage lift station #4. - 10'x10' concrete pad - set on top of concrete. - Photo 7-13-2.	- No evidence of chemical storage.

Other Issues

Parcel:	Location:	Reference:
154	Building 164 SE of building 166	DRK001

Building Description	Evidence of chemical storage/use and location within building
- Building not on parcel map. - Appears to be an administration building. - Exterior of building is aluminum siding and wood roof. - Appears to be a portable building. "PWC Transportation Dept. Dispatch" (photo 7-13-7)	- No evidence of chemical storage.

Other Issues

NAS/NADEP ALAMEDA
Building Inspection

Parcel:	Location:	Reference:
154	Building 666 — substation 8	D021

Building Description
- Construction: Concrete floor and walls, corrugated metal roof
- Use: Electrical substation 8; non-PCB, oil-filled circuit breakers and air circuit breakers present. A transformer compound is adjacent to W side of substation

Evidence of chemical storage/use and location within building
- Oil-filled transformer in compound; non-PCB fluid

Other Issues

Parcel:	Location:	Reference:
154	Building 167	ASC100

Building Description
- Built in 1946, concrete floor, stucco walls, tar and gravel flat roof. This building is a hangar housing propeller repair facilities. Has had this use for at least 30 years. In 1972 ship board repair group took over the NE quadrant of the building. This operator moved here from Hunter's Point. The roof is in good shape. Mezzanine has offices and bathrooms

Evidence of chemical storage/use and location within building
- Building houses all types of industrial activities including painting, grinding, cleaning (using solvents, acids, bases, etc.) metal working and plastic working

Other Issues

Parcel:	Location:	Reference:
154	Building 167 NE quadrant	ASC100

Building Description
- In 1972 this area was acquired from the propeller shop and turned over to shipboard launch repair. This group repairs parts for aircraft launch systems. Parts are stored for repair, reuse and kit makeup. 80 percent plus is used for bin and pallet storage

Evidence of chemical storage/use and location within building
- Two large milling machines with self-contained coolant systems. Lubricants for manufacturing of parts

NAS/NADEP ALAMEDA
Building Inspection

- This operation came from Hunter's Point	
Other Issues	

Parcel: 154	***Location:*** Building 167, NW quadrant	***Reference:*** ASC100
Building Description		***Evidence of chemical storage/use and location within building***
- Propeller components repair section, ≈ 100 ft. by 100 ft. area in NW quadrant of building. High bay structure with hangar doors. Shop has been here for at least 25 to 30 years		- Chemicals stored in cabinets, small quantities at each work station. Prop blade and rubber boat shop along W wall in SW corner of the quadrant. Shop contains sump and sinks. Final destination unknown - Photos 1-21-21, 1-21-22, and 1-21-23. Oil is stored in the propeller test stands, evidence of leakage at base of equipment
Other Issues		
- Paint peeling from ceiling and walls		

Parcel: 154	***Location:*** Building 167, SE quadrant	***Reference:*** ASC100
Building Description		***Evidence of chemical storage/use and location within building***
- SE quadrant is used for propeller assembly and propeller shipping		- Small amounts of chemicals in two cabinets plus smaller amounts at each worker's assembly bench
Other Issues		

NAS/NADEP ALAMEDA
Building Inspection

Parcel: 154	Location: Building 167, SW quadrant	Reference: ASC100
Building Description - Cleaning and painting of propellers. NaOH dip tanks, painting and grinding shop. Non destructive investigation (NDI) testing of propeller parts. Cleaning tanks contain PD-680, 100-gal., (dry cleaning solvent), VVLA-100 (hot oil) 200-gal. Parts cleaner (baking soda and water). Recycling of most fluids occurs. A second PD-680 tank (200-gal.), 1,1,1-trichloroethane tank for degreasing (100-gal.) and Hydraulic oil dip tank (100-gal.) for ship parts		**Evidence of chemical storage/use and location within building** - Tanks in room. NaOH tank is in NW corner of this area 15 ft. from W wall, 20 ft. from N wall. Base of tank filled with absorbent material. Rinse from NaOH tank is fed to portable tank outside of building. Paint shop with spray booth, water system is not working, fumes are exhausted to air. Cleaning shop has two grinding booths with dust collector. Bead blasting machine. Closed dust collector system. Dust collector machine has metal contaminated plastic dust. Waste collected by base environmental group
Other Issues		

Parcel: 154	Location: Building 340	Reference: DRK001
Building Description - Metal shed over concrete (photo 7-14-2). - Appears to be a pumphouse. Small electrical shack located adjacent. - Keys unavailable for viewing interior.		**Evidence of chemical storage/use and location within building** - None noted on outside. - Inside not inspected. - Underground storage tank and vent pipe evident.
Other Issues - Transformer fenced and on concrete pad, N of building and oil-filled switches also on pad.		

NAS/NADEP ALAMEDA
Chemical Inventory

Parcel	Location	Chemical Types	Quantities Stored	Uses and Mgmt Practices	Applicable Date	Reference
154	Exterior area — S of building 167	1. Oil 2. Flammables 3. Absorbent / oily water 4. Lead 5. Corrosives	1. < 50 gal. 2. < 10 gal. 3. < 30 gal. 4. Possible lead stored in 55-gal. drum 5. ~ 10,000 gal.	- Storage of drums, miscellaneous chemical. - Empty containers. - Staining from oil on concrete.	5/24/94	DRK001
154	Open space,S of building 166	- Compressed gasses (oxygen, acetylene, argon) - Lube oils and hydraulic fluid - Diesel and gasoline - Petroleum based solvents (ei. PD-680) - Paints	- 10 gal. paint - < 50 gal. lube oils, grease, hydraulic fluids - ~ 10 gal. of degreaser (PD-680) - ~ 35 five-gal. buckets paint	- Area has small stains throughout. - Many drums poorly labeled and stored in uncovered locations. - In scrap yard, there was a "riggers" storage shed with locked metal flammable lockers and a large flammable locker (photo 7-13-17); gasoline was stored in front (photo 7-13-17). - In scrap yard area, due S of building 154, there are ~ 20 drums containing lube oil (some of which are half full or almost empty) and 4 drums of PD-680. - One portable diesel tank and one portable PD-680 tank, each holding ~ 100-gal. - 10 gal. of paint is stored in flammable locker. - Adjacent to locker, ~ 35 five-gal. buckets of paint stored on pallets.	5/23/94	DRK001

NAS/NADEP ALAMEDA
Chemical Inventory

Parcel	Location	Chemical Types	Quantities Stored	Uses and Mgmt Practices	Applicable Date	Reference
154	Building 167	1. Nonhalogenated organics 2. Nonhalogenated organics 3. Nonhalogenated organics 4. Acid/metal 5. Base 6. Metal 7. Acids/bases	1. 100-gal. 2. 50-gal. 3. 50-gal. 4. 800-lb. 5. 300-lb. 6. 5-gal. 7. 20-gal.	1. Solvent stored in parts washing tank located along E wall, 75 ft. S of N wall 2. Organic amino metal working fluid stored in drum on wooden pallet 75 ft. S of N wall, 20 ft. W of E wall 3. Two flammables storage lockers located 20 ft. S of N wall, 75 ft. W of E wall 4. Chromium triocide stored in open metal shed 40 ft. E and 15 ft. S of SW corner of building. Containers are 100-lb. each, metal 5. Sodium hydroxide in same area as 4., stored in fiber drums and in plastic jugs 6. Cadmium plating solution stored in locker 1-22-11 — same area as 4. 7. Acids and bases cleaning/etching solutions in lockers — same area as 4.	5/18/94	ASC3001

NAS/NADEP ALAMEDA
Chemical Inventory

Parcel	Location	Chemical Types	Quantities Stored	Uses and Mgmt Practices	Applicable Date	Reference
154	Building 167	1. Nonhalogenated organics 2. Base 3. Nonhalogenated organics 4. Nonhalogenated organics 5. Nonhalogenated organics 6. Nonhalogenated organics / poison	1. 20-gal. 2. 1-gal. 3. 25-gal. 4. 200-gal. 5. 20-gal. 6. 10-lb.	1. Material stored in 2 flammables storage lockers, 50 ft. N of S wall, 50 ft. E of W wall 2. Material stored on bench 50 ft. N of S wall, 50 ft. E of W wall 3. Paints used in spray booth on W wall, 50 ft. N of S wall 4. Oil used in magnaflux machine located 75 ft. N of S wall, 150 ft. E of W wall 5. Methylethylketone stored in flammables storage locker, 150 ft. W of E wall, 150 ft. N of S wall 6. Resin stored in combustibles storage locker, 150 ft. N of S wall, 50 ft. W of E wall	5/18/94	ASC3001

NAS/NADEP ALAMEDA
Chemical Inventory

Parcel	Location	Chemical Types	Quantities Stored	Uses and Mgmt Practices	Applicable Date	Reference
154	Building 167	1. Acid/metal 2. Acid 3. Nonhalogenated organics 4. Halogenated organics 5. Nonhalogenated organics 6. Base 7. Nonhalogenated organics 8. Nonhalogenated organics 9. Nonhalogenated organics	1. 1500-gal. 2. 1500-gal. 3. 10-gal. 4. 100-gal. 5. 400-gal. 6. 50-gal. 7. 100-gal. 8. 100-gal. 9. 20-gal.	1. Chromic acid used in anodizing aluminum propellers — anodizing located 75 ft. N of S wall, 40 ft. E of W wall 2. Nitric acid used in anodizing aluminum propellers — anodizing location as in 1. 3. Lubricants stored in combustibles storage locker, 50 ft. N of S wall, 150 ft. E of W wall 4. 1,1,1-trichloroethane stored in vapor degreaser on S wall, 80 ft. E of W wall 5. Solvent stored in two 200-gal. dip tanks, 70 ft. E of W wall along S wall 6. Sodium bicarbonate in degreaser on S wall, 70 ft. E of W wall 7. Hot oil bath on S wall, 80 ft. E of W wall 8. Oil dip tank on wheels, presently located 20 ft. N of S wall, 70 ft. E of W wall 9. Two flammable materials storage lockers located 100 ft. N of S wall, 100 ft. E of W wall	5/18/94	ASC3001

NAS/NADEP ALAMEDA
Chemical Inventory

Parcel	Location	Chemical Types	Quantities Stored	Uses and Mgmt Practices	Applicable Date	Reference
154	Building 167	1. Nonhalogenated organics 2. Nonhalogenated organics 3. Nonhalogenated organics 4. Base 5. Nonhalogenated organics 6. Halogenated organics 7. Nonhalogenated organics/poison	1. 7-gal. 2. 30-gal. 3. 200-gal. 4. 3,000-gal. 5. 10-gal. 6. 10-gal. 7. 25-gal.	1. Flammables material storage cabinet 15 ft. E and 20 ft. S of NW corner of building 2. Stored in 5 flammable materials storage cabinets in Boot Room. Boot room located on W side of building ~ 100 ft. from N wall 3. Hydraulic fluid in propeller testing machines located 100 ft. from N wall and 50 ft. from W wall 4. Sodium hydroxide dip tanks located 75 ft. N of S wall, 40 ft. E of W wall used in anodizing process 5. NDI testing penetrant. Material comes in aerosol cans and is stored in flammables storage locker, 75 ft. N of S wall. 150 ft. E of W wall 6. Same as 5. 7. Toluene Diisocyanate Resin stored in combustible storage locker 50 ft. N of S wall, 150 ft. E of W wall	5/18/94	ASC3001
154	167	PAINT, NON HALOGENATED ORGANICS, CORROSIVES, PETROLEUM PROD, HALOGENATED ORGANICS	40000 GALLONS		10/25/93	EMC001

NAS/NADEP ALAMEDA
Hazardous Waste

Parcel	Location(s)	Hazardous Waste?	Type/Quantity	Description	Applicable Dates	Reference
154	Open space, S of building 166	Yes	- Two drums of oily waste and oil with naphtha and benzene.	- Drums on pallets and over containment with labels and covered. - However, stain noted behind (photos 7-13-15, 7-13-18)	5/24/94	DRK001
154	Outside area between building 167 and 166	Yes	- Satellite hazardous waste storage area (photo 7-13-12) - A large rusty silo labeled "danger-lead" was emptying into a drum here, and there was one unlabeled drum on pallet	- Area heavily stained with rust - Drum on pallet in area but not labeled	5/24/94	DRK001
154	Building 167	Yes	1. Waste metal from milling machines and coolant 400-lbs. 2. GAP site 72, absorbent with nonhalogenated organics (1-22-12)	1. Allowed to accumulate at satellite storage then taken to GAP site 2. Waste taken to GAP site on a daily basis and removed from the GAP site by GAP site personnel	5/18/94	DET200
154	Building 167	Yes	- Absorbent with nonhalogenated organics — 55-gal.	- GAP site 72 - GAP site personnel remove the waste from the GAP site - Worker takes waste to GAP site at end of day except for metal turning which are accumulated at the milling machines	5/18/94	DET200
154	Building 167, NW quadrant		- 50-gal drum — paper products - 50-gal drum — metal cans - 50-gal drum — spent envirosolv CRX solvent emulsion cleaner - 25-gal drum — towels contaminated with hydraulic fluid, lubricating - 5-gal drum — MEK	- Drums on pallet. Drums with liquids have secondary containment - All waste picked up and disposed of by base environmental group - GAP site is 15 ft. from W wall, 30 ft. from N wall	5/18/94	ASC100
154	Building 167, SW quadrant		- 200-lbs. plastic dust contaminated with heavy metals	- Dust removed by environmental group	5/18/94	ASC100

NAS/NADEP ALAMEDA
Hazardous Waste

Parcel	Location(s)	Hazardous Waste?	Type/Quantity	Description	Applicable Dates	Reference
154	Building 167, SW quadrant — GAP site		- 50-gal drum — glass beads contaminated with heavy metals (1/2 full) - 25-gal drum — aerosol cans - 5-gal can — used thinner (MEK) - 5-gal can — used alcohol - 25-gal drum — paper towels contaminated with MEK, stripper (N-Methylpyrolidone) and pans - Three 50-gal drums — empty cans	- Cans and drums on pallets. Containers with liquids have secondary containment (1-22-2)	5/18/94	ASC100
154	167	Yes	NON HALOGENATED ORGANICS, METALS, PAINT, CORROSIVES, PETROLEUM PROD, LEAD/16,000 GAL	STORED IN 55 GAL DRUMS & 5,000 GAL TANKS	1993	EMC204, DB016, EMC006

NAS/NADEP ALAMEDA
Historical

Parcel	Location(s)	Subject(Historical building, indian ruins,etc.)	Remarks	Reference
154	E of Pier 2	Fill material.	Fill from channel and turning basin was used to construct more land. Fill material potentially contaminated.	EMC217
154	Area east of Pier 1	Fill material	This area was filled with material taken from the channel and turning basin associated with the construction of Pier 3. Fill material potentially contaminated.	EMC217

NAS/NADEP ALAMEDA
Interview

Parcel	Location(s)	Name of Interviewee	Information	Reference
154	NADEP Building 167	Elizabeth Berman 263-7179	No lead paint used or disposed at NADEP since lead paint was prohibited No lead remediation or abatement at NADEP No lead testing at NADEP	EMC221, EMC224
154	Aircraft parking/preserving	Phillip Vercelli NADEP employee from 1945-1982 Worked with Production Engineering Group during his last 12-13 years.	Aircraft were preserved and parked in this area. The engines were run periodically. There were fuel/oil spills associated with connecting and disconnecting the engines.	DB021
154	Bldg. 167	- Lyn Stirewalt, former NADEP employee (510) 534-3649 13.5 yrs. as a maintenance machinist (1978-1991), in bldgs 5, 164, 400	- Cleaning shops used heavy caustics; had stripping tanks; and grease for aircraft. Lots of spills occurred in the shops. Evacuations occurred in the shops. Aluminum went down the storm drain from the grinding room in the building.	D035

NAS/NADEP ALAMEDA
IR

Parcel: Location:	Reference: KMT002
154 East of Seaplane Lagoon	
Describe source of contamination, including chemicals. Not available from reference. (Potential contamination migration from IR site)	***Describe Contamination*** Part or all of parcel is in a ground water operable unit.
Describe Status of Investigation/remediation N/A from reference	

Parcel: Location:	Reference: KMT003
154 East of Seaplane Lagoon	
Describe source of contamination, including chemicals. Not available from reference. (Potential contamination migration from IR site)	***Describe Contamination*** Exact boundary of operable unit in unknown. Sampling has not occurred to define boundary.
Describe Status of Investigation/remediation N/A from reference	

NAS/NADEP ALAMEDA
Open Space Survey

Parcel:	Location:	Material Storage Yes	Outdoor Repair No	Equipment Parking Yes	Is this open space developed? Yes
154	Exterior area E of building 166	Wash Down Yes	Training No	Disposal No	Other
		Vehicle Parking Yes	Drum Storage No	Recreational No	

Stains	Ground cover	Describe use	Reference:
- Light paint stains throughout this area. Moderate oil staining (appears to be from vehicle parking).	- Concrete and asphalt.	- This area is used for vehicle parking (cars, trucks, buses) and equipment parking (photo 7-13-1), and contains buildings 555 and 164. - There are 2 fifty-five-gal. drums located directly SE of building 555 where there appears to be a very dark stain around the drums (5'x5'). (Photo 7-13-4) - Large transformer W of building 555; large transformer NE of building 166 (see transformer form). - Large tank with unknown contents (photo 7-13-3) on asphalt. - Rusty metal storage locker (6'x12') 20 ft. SE of building 166 with unknown contents. - SW area of parcel has continuous stains on W border of concrete (5'x80'). (photo 7-13-9) - Paint stain 2'x2' SE of building 164 (photo 7-13-10).	DRK001

Are there drains in the area? Yes ***Goes Where*** - 2'x2' storm drain 3' feet S of 164. May be used for vehicle washdown (hoses and a vehicle noted next to drain).

Parcel:	Location:	Material Storage Yes	Outdoor Repair No	Equipment Parking Yes	Is this open space developed? Yes
194	Outside area between building 167 and 166 and N of 167	Wash Down No	Training No	Disposal No	Other
		Vehicle Parking Yes	Drum Storage No	Recreational No	

Stains	Ground cover	Describe use	Reference:
- Unknown filled utility port (7-13-25).	- Concrete	- This area is between buildings 166 and 167, and N of 167. - Area mainly used for vehicle parking and equipment storage.	DRK001

NAS/NADEP ALAMEDA
Open Space Survey

- Area labeled "hazardous waste storage area" (photo 7-13-12) and rusty "danger-lead" silo.

- Fenced-off region N of 167 (equipment storage). (photo 7-13-11)
- Large flammable materials locker present.
- Metal storage sheds throughout area.
- Adjacent to 166 is a large rusty silo, surrounded by chain. Area stained by rust. Area labeled "hazardous waste area." Drum on pallet not labeled. (photo 7-13-12)
- Unknown utility port filled with dirt, N of 167. (photo 7-13-25)

Are there drains in the area? No ***Goes Where***

Parcel: 164 ***Location:*** Open space, S of building 166 ***Material Storage*** Yes ***Wash Down*** No ***Vehicle Parking*** No ***Outdoor Repair*** No ***Training*** No ***Drum Storage*** No ***Equipment Parking*** Yes ***Disposal*** No ***Recreational*** No ***Is this open space developed?*** Yes ***Other***

Stains
- Stains throughout area
- Stain noted from hazardous waste area
- Dark stain on concrete behind hazardous materials storage shed - runs under shed 3'x5'

Ground cover
- Concrete 80 percent, asphalt 20 percent

Describe use
- Equipment storage yard for hangar, apparently much of the equipment is being staged here prior to being shipped to North Island.
- Some of the chemicals are acetylene, oxygen,argon, lube oils, diesel (portable 100-gal. tank).
- Scrap metal, welding supplies.
- Hazardous waste accumulation area (oily waste, waste with naphtha and benzene) on a spill pallet over concrete in a shed
- Tool lockers throughout area
- Riggers storage area with large chemical locker
- Also, there was a fenced off area surrounding building 726 that was inaccessible
- S/W two large metal dumpsters storing scrap metal, electrical shack
- Portable 55-gal. diesel tank with cleaning solvent tank ≈ 100 gal.
- Two metal storage lockers, paint, oil, and rust stains
- Three large empty tanks between building 166 and 167 (once contained hydraulic fluid,

Reference:
DRK001

NAS/NADEP ALAMEDA

Open Space Survey

currently empty)
- See chemical inventory

Are there drains in the area? No ***Goes Where***

Parcel: 164 ***Location:*** Exterior area S of building 167 ***Material Storage*** Yes ***Wash Down*** Yes ***Vehicle Parking*** Yes ***Outdoor Repair*** No ***Training*** No ***Drum Storage*** Yes ***Equipment Parking*** Yes ***Disposal*** No ***Recreational*** No ***Is this open space developed?*** Yes ***Other***

Stains	***Ground cover***	***Describe use***	***Reference:***
- Miscellaneous oil staining on concrete (photos 7-13-20, 7-13-22)	- Concrete	- This area is a contractor area, but it does contain the Navy prop. shop. Ground cover is concrete - The area is mainly used for storage of welding supplies, prop. shop, scrap metal, miscellaneous equipment, drums, hazardous materials locker and tanks - S of building is a miscellaneous fifty-gal. drum (photo 7-13-23) - S of building are 2 fifty-gal. drums — one labeled "hazardous waste — lead only" and another was absorbent with oily water. - SW of building 167 is a hazardous materials locker (fifteen ft. by twenty ft. by twenty ft.) with aluminum frame and fiberglass (poor condition) insulation. The locker contained corrosives and acids. No spills noted - Directly outside SW side of building 167 is a long, dark, heavy stain on the concrete (two ft. by twenty-five-ft.) (photo 7-13-22) - Adjacent to building 167 are two large 5,000-gal tanks that were labeled corrosives. - One tank is sixty ft. SW of building 167, and the other is twenty ft. W of 167 - Miscellaneous oil stains appeared throughout the S exterior area of building 167	DRK001

Are there drains in the area? Yes ***Goes Where*** - Storm drain approximately 200 ft. S of building 167

NAS/NADEP ALAMEDA
Open Space Survey

Parcel:	Location:	Material Storage No	Outdoor Repair No	Equipment Parking Yes	Is this open space developed? Yes
154	W and far S of building 167 outside space	Wash Down No	Training No	Disposal Yes	Other
		Vehicle Parking Yes	Drum Storage No	Recreational Yes	

Stains	Ground cover	Describe use	Reference:
	- Concrete 20 percent, asphalt 80 percent	- Parking area for hangars and for dock area - Area to the W and SW of building 167 and to the far S of building 167 and 166 - Some equipment is parked to the immediate W of building 167 - Transformer W of 167, sampled 1/4/94. - Building 340 located in the SW of this area. Building 318 appears to have been demolished.	DRK001

Are there drains in the area? Yes **Goes Where** - Storm drains throughout parking areas

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
154	Building 167	Photo # 1-21-20 - NW corner propeller repair	- GAP site 68	DET200
154	Building 167	Photo # 1-21-21 - Boot room (rubber room), W side, 100 ft. from N wall - From E	- Floor in generally poor condition	DET200
154	Building 167	Photo # 1-21-22 - 6 ft. W of SE corner of boot room - From NW	- Large sink and drain	DET200
154	Building 167	Photo # 1-21-23 - 50 ft. from W wall and 100 ft. from N wall	- Propeller control test stand, hydraulic fluid stain, (12 ft. by 10 ft.)	DET200
154	Building 167	Photo # 1-21-24 - 6 ft. W of SE corner of boot room - From SE	- Sump, grate is 2 ft. by 3 ft.	DET200
154	Building 167	Photo # 1-21-25 - Three ft. E of SW corner of boot room - From N	- Sump, grate is 6 sq. ft.	DET200
154	Building 167	Photo # 1-21-26 - W side 100 ft. N of S wall - From E	- Drain in boiler room, one-quarter sq. ft.	DET200
154	Building 167	Photo # 1-21-27 - 75 ft. N of S wall and 40 ft. E of W wall - From SW	- Stain, sodium hydroxide, under tip tank, 400 sq. ft.	DET200
154	Building 167	Photo # 1-21-28 - 75 ft. N of S wall and 40 ft. E of W wall - From SW	- Tip tank - broadview	DET200
154	Building 167	Photo # 1-22-1 - 100 ft. E of W wall and 90 ft. N of S wall - From W	- Stain, 24 sq. ft., 6 ft. by 4 ft.	DET200
154	Building 167	Photo # 1-22-10 - 40 ft. E from SW corner and 15 ft. S of S wall, exterior	- Chemical storage, degraded walls, stain (3 ft. by 6 ft.)	DET200

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
154	Building 167	Photo # 1-22-11 - 40 ft. E of SW corner and 15 ft. S of S wall, exterior - From N	- Storage cabinet	DET200
154	Building 167	Photo # 1-22-12 - 30 ft. E of SW corner and 15 ft. S of S wall, exterior - From N	- GAP site 72, absorbent with non-halogenated organics, 55 gal.	DET200
154	Building 167	Photo # 1-22-2 - SW corner of building - From W	- GAP site 71	DET200
154	Building 167	Photo # 1-22-3 - Propeller paint room, SW corner of building, NW corner of room - From SE	- Etched and stained floor, 225 sq. ft., 15 ft. by 15 ft.	DET200
154	Building 167	Photo # 1-22-4 - 35 ft. E of W wall at base of S wall - From N	- Stains around grease remover equipment, 45 ft. by 3 ft.	DET200
154	Building 167	Photo # 1-22-5 - SE corner of building, propeller shop - From W	- Excessively stained floor, which is 8,000 sq. ft., 70 percent stained	DET200
154	Building 167	Photo # 1-22-6 - 20 ft. W of E wall and 70 ft. S of N wall - From N	- Milling machine, stain, waste metal, stain is 100 sq. ft. (20 ft. by 5 ft.)	DET200
154	Building 167	Photo # 1-22-7 - 40 ft. W of E wall, and 110 ft. S of N wall - From E	- Milling machine and stain, 32 sq. ft.	DET200
154	Building 167	Photo # 1-22-8 - Base of E wall and seventy ft. S of N wall - From W	- Stains at base of solvent tank, 12 sq. ft. (4 ft. by 3 ft.)	DET200
154	Building 167	Photo # 1-22-9 - Base of exterior, 40 ft. E from SW corner	- Stained area, 1 ft. by 8 ft. and 10 ft. by 4 ft.	DET200
154	Building 558	Photo # 4-11-1 - Transformer compound E of building 558	- Non-PCB capacitors leaking on concrete	MAW001

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
154	Building 558	Photo # 4-11-2 - Transformer compound adjacent to building 557	- Non PCB oil leaking from transformer	MAW001
154	Building 558	Photo # 4-11-3 - Transformer compound adjacent to building 557	- Shell "DIALA (R) oil" transformer oil	MAW001
154	Building 558	Photo # 4-11-4 - Transformer compound #561	- PCB sticker and oil drain	MAW001
154	Open space	Photo # 7-13-1 - S view, N of parcel	- View of area	DRK001
154	Open space	Photo # 7-13-10 - S view, SE of building 166	- 2 ft. by 5 ft. and 2 ft. by 2 ft. paint stains	DRK001
154	Open space	Photo # 7-13-11 - W view, N of building 167	- N storage yard for building 167	DRK001
154	Open space	Photo # 7-13-12 - E view, area W of building 166	- Rusty silo	DRK001
154	Open space	Photo # 7-13-13 - S view, S of building 166	- View of area	DRK001
154	Open space	Photo # 7-13-14 - S view, S of building 166	- View of area	DRK001
154	Open space	Photo # 7-13-15 - SW view, S of building 166	- Hazardous waste storage area	DRK001
154	Open space	Photo # 7-13-16 - N view, S of building 166	- Fenced off area controlled by air pac	DRK001
154	Open space	7-13-17 Photo # - N view, S of building 166	- "Riggers" storage shed	DRK001
154	Open space	Photo # 7-13-18 - NE view, S of building 166	- Stains behind hazardous waste area	DRK001
154	Open space	Photo # 7-13-19 - W view, S of building 166	- Paint and flammable materials locker	DRK001
154	Building 287	Photo # 7-13-2 - NW view, NE corner	- Sewage lift station	DRK001
154	Open space	Photo # 7-13-21 - S view, S of building 167	- 15 to 20 miscellaneous drums in the area	DRK001

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
154	Open space	Photo # 7-13-22 - E view, S of building 167	- Heavy staining exiting building 167	DRK001
154	Open space	Photo # 7-13-23 - N view, S of building 167	- View of spilled paint or concrete in contractor area	DRK001
154	Building 340	Photo # 7-13-24 - SW view, SW of parcel	- View of building 154	DRK001
154	Open space	Photo # 7-13-25 - S view, N of building 167	- Miscellaneous dirt filled utility port near hangar	DRK001
154	Open space	Photo # 7-13-3 - SW view, NE corner	- PWC 60 ton test tank (unknown contents)	DRK001
154	Open space	Photo # 7-13-4 - NE view, adjacent to building 555	- Drums leaking oil and stain	DRK001
154	Open space	Photo # 7-13-5 - NW view, NE corner	- Paint stains (under 1 ft. by 1 ft.)	DRK001
154	Open space	Photo # 7-13-6 - NW view, E of building 166	- Steam line and 3 ft. bare insulation (12 in.)	DRK001
154	Open space	Photo # 7-13-7 - SW view, SE of building 166	- Building 164 "PWC Transportation Department Dispatch	DRK001
154	Open space	Photo # 7-13-8 - NW view, SE of building 166	- Unknown rusted storage locker	DRK001
154	Open space	Photo # 7-13-9 - S view, SE of building 166	- Oil stench concrete, 5 ft. by 80 ft.	DRK001
154	Building 167	Photo # 1-30-22 - NW corner electical room - Facing E	- 150 KvA oil-filled 112 gal. transformer - 4160-120/208	AC001
154	Building 167	Photo # 1-30-23 - NW corner W side - Facing E	- 4160-480 300 kVA oil-filled transformer	ASC3001

NAS/NADEP ALAMEDA
Spills and Incidents

Parcel	Location	Type of Incident	Date of Incident	Chemicals Involved	Amounts Spilled or Released	Cleanup, If Done	Reference
154	Open area, S of building 166	- Stain	- Unknown	- Oil, naphtha, benzene	- Dark triangular stain (four ft. by five ft.) exiting hazardous waste storage area (photo 7-13-18)	- None	DRK001
154	SE of building 555	- Stain	- Unknown	- Oil	- Very dark stain, leaking from 2 fifty-five-gal. waste oil drums (photo 7-13-4) (~ five ft. by five ft.)	- No cleanup performed	DRK001
154	Exterior area S of building 167	- Stains	Unknown	- Oil	- The southern exterior area of building 167 had numerous miscellaneous oil stains on the concrete. Approximate total staining: 10'x10'.	- No cleanup performed.	DRK001
154	Building 167	- Stain	- Unknown	- Hydraulic fluid	- 120 sq. ft. (12 ft. by 10 ft.) - 50 ft. from W wall, 100 ft. from N wall - 1-21-23		DET200
154	Building 167	- Stain	- Unknown	- Unknown	- 6 ft. by 4 ft. - 90 ft. N of S wall, 100 ft. E of W wall - 1-22-1		DET200
154	Building 167	- Stain	- Unknown	- Unknown	- 15 ft. by 15 ft. - Room in SW corner of building - NW corner of room - 1-22-3		DET200
154	Building 167	- Stain	- Unknown	- Unknown	- 3 ft. by 45 ft. - 35 ft. E of W wall at base of S wall - 1-22-4		DET200

NAS/NADEP ALAMEDA
Spills and Incidents

Parcel	Location	Type of Incident	Date of Incident	Chemicals Involved	Amounts Spilled or Released	Cleanup, If Done	Reference
154	Building 167	- Stain	- Unknown	- Unknown	- SE quadrant of building - 70 percent of floor area stained - 1-22-5		DET200
154	Building 167	- Stain	- Unknown	- Machine cooling fluid	- 5 ft. by 20 ft. - 20 ft. W of E wall, 70 ft. S of N wall - 1-22-6		DET200
154	Building 167	- Stain	- Unknown	- Milling machine coolant	- 8 ft. by 4 ft. - 40 ft. W of E wall, 110 ft. S of N wall - 1-22-7		DET200
154	Building 167	- Stain	- Unknown	- Unknown	- 4 ft. by 3 ft. - Base of E wall, 70 ft. S of N wall - 1-22-8		DET200
154	Building 167	- Stain	- Unknown	- Unknown	- 3 ft. by 6 ft. - Exterior: 40 ft. E of SW corner, 15 ft. S of S wall - 1-22-10		DET200
154	Building 167	- Stain	- Unknown	- Unknown	- 1 ft. by 8 ft. and 10 ft. by 4 ft. - 40 ft. E of SW corner, base of exterior wall - 1-22-9		DET200
154	Building 167	- Stain	- Unknown	- Sodium hydroxide	- 40 ft. by 10 ft. - 75 ft. N of S wall, 40 ft. E of W wall - 1-21-27		DET200

NAS/NADEP ALAMEDA
Spills and Incidents

Parcel	Location	Type of Incident	Date of Incident	Chemicals Involved	Amounts Spilled or Released	Cleanup, If Done	Reference
154	Bldg. 167 (Concrete)	Storage tank overfilled (Report No. 126742)	7/14/92	Nitric acid	50.00 gallons	- Absorbants used with neutralizers - Release lasted for 1 hour	BBK002
154	Bldg. 167	Storage tank overflow (Report No. 92-5114)	7/14/92	Nitric Acid	50 gallons	- Navy performed cleanup.	BBK002
154	Bldg. 167, parking lot	release	12/20/92	unleaded gasoline	15 gallons from privately owned vehicle onto asphalt	absorbant material. 1/2 gallon recovered.	DB017

NAS/NADEP ALAMEDA
Aboveground Storage Tanks

Parcel	Location	Storage Tank Size (Gallons)	Date Applicable	Type of Tank	Materials Stored	Remarks	Reference
154	S and SW of building 167	5,000	Unknown	Unknown	Corrosives	- Adjacent to building 167 are two large 5,000-gal. portable tanks that were labeled corrosives. - One tank is 60 ft. SW of building 167 and the other is 20 ft. W of building 167.	DRK001

NAS/NADEP ALAMEDA
Title Search

Parcel	Location	Issues of Concern/Remarks	Transfer Information and date	Reference
154	SE portion of Base	Utilities easement reserved in civil 23109, 1944. Location unknown.	154.60 acres from Louis M. MacDermot in Civil Action # 23109 1944	DB008

NAS/NADEP ALAMEDA
Transformers

Parcel	Location	Transformer#	Size	Date Applicable	PCB's ?	PCB Class	Remarks	Reference
154	Outside space	See below	Unknown	5/24/94		Unknown	1. Large, fenced in transformer on concrete pad, W of building 555, sampled 1/4/94. 2. Large, fenced in transformer on concrete pad labeled "X201," E of building 166. 3. E/SE of parcel, a plastic enclosed set of switchgear. 4. Large, fenced in transformer on concrete pad, sampled 1/4/94; located W of building 167. 5. Transformer and three oil-filled switches, fenced and on concrete pad, N of building 340. - Presence or absence of PCBs is unknown.	DRK001
154	555	Unknown	2,000 kVA	5/24/94		Unknown	- Substation 8 — 2,000 kVA (12 kV) / 4160 (marked "sampled" 1/4/94 and has sticker stating "no PCBs").	D021
154	Building 167 — transformer room NW corner of building, W side, outdoors	Unknown	See below	6/10/94		Unknown	- Liquid filled transformer (in room) — 150 kVA, 4160-120/208V, 112-gal. (photo 1-30-22). - Oil-filled switch. - Outdoor — 300 kVA, 4160-480V, 1,800-lbs. fluid (photo 1-30-23). - Presence or absence of PCBs is unknown.	ASC100
154	166	Unknown	Unknown	Unknown		Unknown	- Transformer E side of 166. - Presence or absence of PCBs is unknown.	EMC315

NAS/NADEP ALAMEDA
Transformers

Parcel	Location	Transformer#	Size	Date Applicable	PCB's ?	PCB Class	Remarks	Reference
154	167	Unknown	Unknown	Unknown		Unknown	- NW side: Two transformers. - Presence or absence of PCBs is unknown.	EMC314
154	167	Unknown	200 KVA	10/21/88	Yes	> 50 ppm	Located in W vault. 222 gal.	EMC263
154	340	Unknown	Unknown	Unknown		Unknown	- N side of 340. - Presence or absence of PCBs is unknown.	EMC314
154	Building 340, N pad	Unknown	200 kVA	Unknown		Unknown	- Map grid location: 31-W . - To be replaced by contractor/ ECD - 4/90. - Presence or absence of PCBs is unknown.	EMC127
154	Building 340, N pad	Unknown	200 kVA	Unknown		Unknown	- Map grid location: 31-W. - Replaced by PWCSFB ECD - 12/90. - Presence or absence of PCBs is unknown.	EMC126
154	167	1911894	Unknown	9/30/87	Yes	Unknown	E vault. Removed / stored - 8/2/87.	EMC263
154	340	2735508	200 KVA	11/1/91	Yes	> 50 ppm	N pad. 160.0 gal. Removal / storage date: 10/31/90. Hauled date: 2/14/91.	EMC263
154	555	6335346	2500 KVA	10/30/86, 9/30/87	Yes	> 50 ppm	Located at substation 8. 368.0 gal. Removed / stored: 3/7/88. Hauled: 3/29/88.	EMC263

NAS/NADEP ALAMEDA
Transformers

Parcel	Location	Transformer#	Size	Date Applicable	PCB's ?	PCB Class	Remarks	Reference
154	167	6820944	300 KVA	10/30/86, 9/30/87	Yes	> 50 ppm	Located W pad. 197 gal.	EMC263
154	555	Unknown	Unknown	Unknown		Unknown	- One transformer and one substation on the W side of the station. - Presence or absence of PCBs is unknown.	EMC314
154	Building 340	Unknown	Unknown	Unknown		Unknown	- Fenced in and on concrete pad, N of building. Switch also. - Presence or absence of PCBs is unknown.	DRK001

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
154	167	EMC317

Utility Type	Description
Storm drains	N side flows to outfall J. S side flows to outfall K.

Potential for Contamination
Yes. Potentially from building 167.

Parcel:	Location:	Reference:
154	555	EMC414

Utility Type	Description
Substation #8	in B-555

Potential for Contamination

Parcel:	Location:	Reference:
154	Fuel lines that run along interface between hangars and facility bldgs of NADEP	BBK000

Utility Type	Description
Aviation gas lines; now abandoned.	

Potential for Contamination
- When abandoned, lines were drained and filled with water. Breaks have occurred along pipeline.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
154	530	EMC308

Utility Type	Description
Sanitary sewers	Line flows NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from building 530.

Parcel:	Location:	Reference:
154	410	EMC308

Utility Type	Description
Sanitary sewers	Line flows NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from building 410.

Parcel:	Location:	Reference:
154	167	EMC308

Utility Type	Description
Sanitary sewers	Lines flow NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from building 167.

Parcel:	Location:	Reference:
154	166	EMC308

Utility Type	Description
Sanitary sewers	Lines flow NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from building 166.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
154	Area 37	EMC306

Utility Type	Description
Sanitary sewers	Lines flow NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from area 37.

Parcel:	Location:	Reference:
154	Natural Gas System	BBK001

Utility Type	Description
Natural gas.	Supplied by PG&E through 2 mains.

Potential for Contamination
Several underground leaks have occurred with Class II and Class III lines.

Parcel:	Location:	Reference:
154	Natural Gas System	BBK001

Utility Type	Description
Natural gas.	Supplied by PG&E through 2 mains.

Potential for Contamination
Several underground leaks have occurred with Class II and Class III lines.

Parcel:	Location:	Reference:
154	97, 014, 397	BBK325

Utility Type	Description
Fuel lines	"In use" fuel lines drain from tanks at 97; one goes N to parcel 122 to join an abandoned fuel line; one goes W to sea plane ramp number 4 pier; one goes S to building 397; one continuous line covers all 3 piers and wharf area of parcel 155. Extensive branching

	occurs at the 281 tanks in parcel 138. Pier 3 branches E to tanks 342A and B.
Potential for Contamination Possible contamination; fuel lines are not integrity tested.	

Parcel: 154	***Location:*** 166	***Reference:*** EMC316
Utility Type Industrial sewer		***Description*** Flows NW to parcel 061 where it joins the sanitary sewer line to East Bay Municipal Utilities District (EBMUD).
Potential for Contamination Yes. Potentially from building 166.		

Parcel: 154	***Location:*** 167	***Reference:*** EMC316
Utility Type Industrial sewer		***Description*** Flows NW to parcel 61 where it joins the sanitary sewer line to East Bay Municipal Utilities District (EBMUD).
Potential for Contamination Yes. Potentially from building 167.		

Parcel: 154	***Location:*** 168	***Reference:*** EMC317
Utility Type Storm drains		***Description*** E side flows to outfall I. W side flows to outfalls I and J.
Potential for Contamination Yes. Potentially from building 168.		

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
154	169	EMC317

Utility Type	Description
Storm drains	W side flows to outfalls J and I. E side flows to outfall J.

Potential for Contamination
Yes. Potentially from building 169.

Parcel:	Location:	Reference:
154	166	EMC317

Utility Type	Description
Storm drains	N side flows to outfall J and I. S side flows to outfalls K and O and P.

Potential for Contamination
Yes. Potentially from building 166.

Parcel:	Location:	Reference:
154	166	EMC317

Utility Type	Description
Storm drains	N side flows to outfall J and I. S side flows to outfalls K and O and P.

Potential for Contamination
Yes. Potentially from building 166.

NAS/NADEP ALAMEDA
Utilities Report

Parcel: 154	Location: 449	Reference: EMC317
Utility Type Storm drains		**Description** Flows to outfall I and J
Potential for Contamination Yes. Potentially from building 449.		

Parcel: 154	Location: 167, 166, 410, 169	Reference: BBK329, BBK044
Utility Type Steam and Condensate System		**Description** In Phase III work, these lines were replaced: lateral line from the southeast corner of bldg 169 south to the northwest corner of bldg 410, then west to bldgs 166, 167, then northwest to join distirbution line just south of bldg 38.
Potential for Contamination These old asbestos-covered steam lines were thought to have been replaced entirely with calcium silicate lines; but there is no supporting evidence.		

Parcel: 154	Location: 530	Reference: EMC317
Utility Type Storm drains		**Description** Flows to outfalls P and J.
Potential for Contamination Yes. Potentially from building 530.		

NAS/NADEP ALAMEDA
Utilities Report

Parcel: 54	Location: 338	Reference: EMC317
Utility Type Storm drains	**Description** S side flows to outfall Q. N side flows to outfall P.	
Potential for Contamination Yes. Potentially from building 338.		

Parcel: 54	Location: 93	Reference: EMC317
Utility Type Storm drains	**Description** Flows to outfalls J and P.	
Potential for Contamination Yes. Potentially from building SG.		

Parcel: 54	Location: 410	Reference: EMC317
Utility Type Storm drains	**Description** Flows to outfall J.	
Potential for Contamination Yes. Potentially from building 410.		

Parcel: 54	Location: 508	Reference: EMC317
Utility Type Storm drains	**Description** Flows to outfall J.	

NAS/NADEP ALAMEDA
Utilities Report

Potential for Contamination
Yes. Potentially from building 588.

Parcel: 154	Location: 460A	Reference: EMC317
Utility Type Storm drains		**Description** Flows to outfall P. Flows to outfall J.
Potential for Contamination Yes. Potentially from building 460A.		

Parcel: 154	Location: 620	Reference: EMC317
Utility Type Storm drains		**Description** Flows to outfall P.
Potential for Contamination Yes. Potentially from building 620.		

Parcel: 154	Location: 619	Reference: EMC317
Utility Type Storm drains		**Description** Flows to outfall P.
Potential for Contamination Yes. Potentially from building 619.		

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
154	618	EMC317

Utility Type	Description
Storm drains	Flows to outfall P and J.

Potential for Contamination
Yes. Potentially from building 618.

Parcel:	Location:	Reference:
154	529	EMC317

Utility Type	Description
Storm drains	Flows to outfall P, and J

Potential for Contamination
Yes. Potentially from building 529.

Parcel:	Location:	Reference:
154	584	BBK429, BBK044

Utility Type	Description
Steam and Condensate System	Line begins at bldg 584 goes north and joins East-West main distribution line under Eighth St.

Potential for Contamination
These old asbestos-covered steam lines were thought to have been replaced entirely with calcium silicate lines; but there is no supporting evidence.

NAS/NADEP ALAMEDA
Wastewater Report

Parcel / Location	Is Industrial Wastewater Generated? Yes	Reference: DET200
154 Building 167		
Types of Wastewater	***Discharge flow drain line***	
1. Cleanser (Comet, Ajax) used to scrape teflon like coating off rubber. Goes down drain in rubber room.	1. 120 ft. S of NW corner — flow path not determined.	
2. Boiler room blow down to drain steam room — boiler additives.	2. 150 ft. N of SW corner — flow path not determined.	

Parcel / Location	Is Industrial Wastewater Generated? Yes	Reference: ASC3001
154 Building 167		
Types of Wastewater	***Discharge flow drain line***	
- Washdown of parts from bead blasting. Bead blasting performed in room located on W wall, 75 ft. N of S wall.	- It is unclear where the wastewater is discharged to.	

Parcel / Location	Is Industrial Wastewater Generated? Yes	Reference: ASC3001
154 Building 167		
Types of Wastewater	***Discharge flow drain line***	
- Rinsewater from anodizing aluminum process.	- Water is stored in portable tank located on W side of building.	

PARCEL 155

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
155	- In 1947, parcel is the berthing piers and wharf area. In the Seaplane Lagoon there are 3 piers. - In 1953, building 38 is present. - In 1958, no change. - In 1963, 2 piers in the Seaplane Lagoon are no longer present. - In 1966-1970, no change. - In 1975, pier 2 has been made longer. - In 1981-1993, no change.	Pacific Aerial Surveys			JLR073

NAS/NADEP ALAMEDA
Asbestos

Parcel	Location	Survey?	Asbestos?	Friable?	Location of Asbestos	Remarks	Reference
155	Along the Sea Lagoon	No		Unknown	- Pipelines with possible asbestos insulation run along the E side of the sea lagoon.	- Presence or absence of asbestos is unknown. - See photo 5-10-20.	EMC1000
155	38 / Aircraft Acoustical Enclosure	No		No		- Informal assessment; no supporting evidence.	BBK007
155	65 / Transformer Substation (PWC)	No		No		- Informal assessment; no supporting evidence.	BBK007
155	558 / Electrical Sub-Station #14	No		No		- Informal assessment; no supporting evidence.	BBK007
155	601 / Oil Spill Cleanup Facility	No	Yes	Unknown		- Informal assessment; no supporting evidence.	BBK007

NAS/NADEP ALAMEDA
Building Information

Parcel	Location	Date Constructed	Sq Footage	Type of Construct.	Use	Applicable Date	Remarks	Reference
155	267					1953	Demolished.	EMC300
155	433, 434					1953	Both demolished.	EMC300
155	38					1953	Demolished.	EMC300
155	Pier 1	1939	2,511	reinforced concrete, wood piles	berthing pier			DB003, DB020
155	Pier 2	1941	10,766	reinforced concrete, wood piles	berthing pier			DB003, DB020
155	Pier 3	1945	22,032	reinforced concrete, wood piles	berthing pier			DB003, DB020
155	65				transformer substation		4,160 kVA	BBK200
155	601		1,008		Oil/Spill Cleanup Facility			BBK200
155	558				Electrical Substation #14		12 kVA	BBK200

NAS/NADEP ALAMEDA
Building Inspection

Parcel:	Location:	Reference:
156	Building 658 — substation 14	DD21

Building Description	Evidence of chemical storage/use and location within building
- Construction: Concrete floor, walls, corrugated metal roof - Use: Electrical substation 14; no oil-filled devices, only dry-type circuit breakers are present. A transformer compound is associated with the substation; it is located across Fifth Street, E of the building	- Non-PCB fluid leaking from capacitors in transformer compound

Other Issues
- See transformer form

Parcel:	Location:	Reference:
165	38	EMC1000

Building Description	Evidence of chemical storage/use and location within building
- Fuel shack, metal corrugated walls and roof, floor is concrete on pier pilings	- MOGas and other gasoline and other flammables are stored here, see chemical inventory form

Other Issues
- Eye wash was leaking and puddles exist

Parcel:	Location:	Reference:
155	601	EMC1060

Building Description	Evidence of chemical storage/use and location within building
- Metal corrugated shed, originally used as SOREX oil / water separator which used tanks; now it's storage — oil / water separator was cut up and disposed - Baker tanks are on Pier 1 as they have always been - Oil / water separator never quite worked so it was removed and now 601 is storage	- Waste oil oil / water separator used to be in 601, stains still apparent

NAS/NADEP ALAMEDA
Building Inspection

Other Issues - Waste oil hoses, cause stains

NAS/NADEP ALAMEDA
Chemical Inventory

Parcel	Location	Chemical Types	Quantities Stored	Uses and Mgmt Practices	Applicable Date	Reference
155	Pier 3	- Solvent	- 5 gal.	- 5-gal. container on pier.	5/10/94	EEW1006
155	Pier 2	- Non-halogenated organics - Halogenated organics - Petroleum product — waste oil	- 125 gal. total	- Stored on the pier until it is loaded onto ships.	5/10/94	EMC1000
155	Building 38	- Hydraulic fluid, lubricating oil, gasoline, MOGAS	- 440-gal.	- Various fuel/fluid stains on concrete floor inside building - Two drums labeled empty - IH issue: eye wash station appears to be leaking	5/20/94	EEW1000
155	HOME PORTED SHIPS	HAZARDOUS MATERIAL/HAZARDOUS WASTE	VARIOUS GALLONS	ALL HAZMAT/HAZWASTE LEAVING SHIP IS TURNED OVER TO PWC FOR DISPOSAL. PWC HANDLES CONTRACTORS AND MANIFESTS.		EMC213

NAS/NADEP ALAMEDA
Hazardous Waste

Parcel	Location(s)	Hazardous Waste?	Type/Quantity	Description	Applicable Dates	Reference
155	Pier 1	Yes	- Bilge water / oil / metals - Three eight ft. by eight ft. by six ft. containers ~ 6,500 gal.	- Three hazardous containers labeled waste oil, from bilge water donuts - Stored on wood blocks on concrete with no secondary containment - Berm prevents direct spillage into bay - See photo 5-10-17	5/10/94	EMC1000
155	Pier 3	Yes	- Paints (quantity: enough to paint an aircraft carrier) - Epoxies - Resins - Oils - 300 gal. maximum total	- Materials are used and waste is generated on the ship - Waste is moved to the pier awaiting disposal, some is put in dumpsters, some is just piled on the ground, none is protected from rain or wind - See photos 5-11-3, 5-11-2	5/10/94	EMC1000
155	UST AT PIER 4	Yes	PETROLEUM PROD/1 M GAL		9/30/93	EMC006
155	HOME PORTED SHIPS	Yes	ALL HAZARDOUS WASTE IS TURNED OVER TO PWC FOR DISPOSAL			EMC213

NAS/NADEP ALAMEDA
Historical

Parcel	Location(s)	Subject(Historical building, Indian ruins,etc.)	Remarks	Reference
155	Alameda Island	In 1864, a railroad running from High Street, Oakland, to the present site of Pier 2 was built.	This became the western terminus of the Central Pacific Transcontinental Railroad. Unable to define location within other parcels based on reference.	BBK009
155	Airfield	On 12/2/30, US Army acquired site from the city.	Site named Benton Field.	BBK009
155	East of Pier 2	Fill material	Fill from channel and turning basin was used to construct more land. Fill material potentially contaminated.	EMC217

NAS/NADEP ALAMEDA
Interview

Parcel	Location(s)	Name of Interviewee	Information	Reference
155	Piers	- Gil Rivera, Crane & Rigging Foreman (510) 263-3258 or 263- 3259 Bldg 292, Office 23 years at NAS Alameda, supervises crane & rigging, and forklift operators	- Historically, there have been fuel spills from refueling activities. Hazardous materials have occurred on the piers in the past; the fire department responded to the incidents. Hazardous waste used to be off-loaded from the ships and stored on the piers prior to removal for disposal. Now, hazardous wastes remain on the ships until the removal contractor is present on-site.	D032
155	NADEP Building 601	Elizabeth Berman 263-7179	No lead paint used or disposed at NADEP since lead paint was prohibited No lead remediation or abatement at NADEP No lead testing at NADEP	EMC221, EMC224

NAS/NADEP ALAMEDA
IR

Parcel:	Location:	Reference:
155	Piers and Turning Basin	EMC404

Describe source of contamination, including chemicals.	Describe Contamination
From 1943 to 1974, shipboard and industrial waste was dumped in the Turning Basin and the Pier Area. Sediments show contamination with metals, Volatile Organic Compounds (VOCs) and petroleum products.	

Describe Status of Investigation/remediation

Parcel:	Location:	Reference:
155	East of Seaplane Lagoon	KMT003

Describe source of contamination, including chemicals.	Describe Contamination
Not available from reference. (Potential contamination migration from IR site)	Exact boundary of operable unit in unknown. Sampling has not occurred to define boundary.

Describe Status of Investigation/remediation
N/A from reference

NAS/NADEP ALAMEDA
LUST

Parcel: 156	Location: 16-1	Reference: DB016
Describe source of contamination, including chemicals. UST unauthorized release (leak) Report 4/1/92 diesel tank leak		***Describe Contamination***
Describe Status of investigation/remediation leak being confirmed		

NAS/NADEP ALAMEDA
Miscellaneous Information

Parcel	Location	Subject	Remarks	Reference
155	Pier 2	Historical	Pier 2 was acknowledged as an historical site of the railroad (photo 5-10-23).	EMC1000
155	Whole parcel	Railroad tracks	Tracks run throughout the parcel mostly along the parcel borders.	EMC1000
155	Pier 3, SE corner of pier	Fuel transfer point between shore facilities and fuel barges - rate of 60,00 gal./hr.	Part of fuel system (utilities).	BBK001 (NAS Alameda Fuel Branch Operations Manual, 31 May 91)
155	Pier 1 and Seaplane lagoon	Analytical results of boring samples.	Samples were tested for metals: antimony, arsenic, cadmium, chromium, cyanide, copper, lead, mercury, nickel, selenium, silver, zinc and pesticides (EPA method 8080) and Polychlorinated Biphenyls (PCBs). No concentrations exceed 22CCR66261.24 (within regulatory standards).	BBK107
155	Pier 3, Avenue N & 9th Street	Railroad tracks	Pier 3 has 6 tracks - 3 N side, 3 S side and one crossover track. Four tracks turn NE at the E end of the pier and end in parcel 160 just W of building 447. One of the pier 3 S side tracks turns NE at the E side of pier 3, cuts the NW corner of parcel 161 and crosses parcel 198 to meet another pier 3 track along the S side of Avenue N. One of the pier 3 N side tracks runs E along the S side of Avenue N along the parcel line touching parcels 160, 198, 163, 159, 160, 150. At the SW corner of parcel 150 this track turns NE brushing the E side of parcel 202 and then turning N to Avenue M and 9th Street. As this track travels along 9th Street a short branch leaves toward the NE and ends on the N side of Avenue L, S of building 164. At this branch the 9th Street track splits into two and the two tracks travel N along both sides of the street and junctions in parcel 134 exactly S of 97D and 97E. There is no crossover track that crosses 9th Street in parcel 134 between parcels 164 and 142.	EMC256
155	Pier 1	Railroad tracks	Track on pier 1 starts on parcel 158 and travels E and crosses Wharf 1 then NE and to the corner of parcel 138 to the junction at the shed on the S side of parcel 138.	EMC256

NAS/NADEP ALAMEDA
Oil/Water Separator

Parcel	Location(s)	Detailed Location	Applicable Date(s)	Description	Reference
155	601	- Inside 601, former oil / water separator, also on Pier 1			EMC1060

NAS/NADEP ALAMEDA
Open Space Survey

Parcel:	Location:	Material Storage: Yes	Outdoor Repair: Yes	Equipment Parking: Yes	Is this open space developed? Yes
155	Pier 3	Wash Down: Yes	Training: No	Disposal: Yes	
		Vehicle Parking: Yes	Drum Storage: Yes	Recreational: No	Other:

Stains	Ground cover	Describe use	Reference:
- Miscellaneous oil-type stains everywhere (0.5" diameter to 5 ft. by 15 ft.) - Black stains around three dumpsters at E end of pier	- Concrete	- Pallets of partially empty deck-coating chemicals - Normal pier activities (equipment transfer, loading / unloading) - Locked CONEX box on N end of pier - Mobil trailer-type shops on pier (welding shop, etc., removed while ships are gone) - Potential transformers under pier (accessed via manhole — must be confirmed) - Welding gas cylinders for mobile shops (oxygen acetylene, liquefied petroleum gas (MAPP gas)) - Railroad tracks - Unknown equipment / material in and under pier - Excess material / garbage storage at W end of pier - Ships are in port 3-4 month at a time	EEW1006

Are there drains in the area? Yes ***Goes Where*** - Numerous drains in pier (runoff / washdown drains to them) unknown where they drain to (probably the bay)

Parcel:	Location:	Material Storage: Yes	Outdoor Repair: No	Equipment Parking: Yes	Is this open space developed? Yes
165	Pier 2	Wash Down: Yes	Training: No	Disposal: Yes	
		Vehicle Parking: Yes	Drum Storage: No	Recreational: No	Other:

Stains	Ground cover	Describe use	Reference:
-Small oil-type stains on concrete	- Concrete	- Railroad tracks - Equipment parking - Loading / unloading of docked ships (normal pier activities) - No impact on neighboring parcels (parcel 155 may impact water surrounding it) - Unknown pavement patches in pier, unknown building structure - Open paint containers (painting of pier in progress)	EEW1006

NAS/NADEP ALAMEDA
Open Space Survey

- Two cu. ft. of resin in two containers
- Washdown area at end of pier — water has visible sheen
- Numerous steam / sewer / water / electrical utility lines under pier

Are there drains in the area? Yes ***Goes Where*** - ≈ fifteen drains on pier (runoff from pier drains into bay)

Parcel:	***Location:***	***Material Storage*** Yes	***Outdoor Repair*** No	***Equipment Parking*** Yes	***Is this open space developed?*** Yes
156	Street and parking area	***Wash Down*** No	***Training*** No	***Disposal*** No	***Other***
		Vehicle Parking Yes	***Drum Storage*** Yes	***Recreational*** No	

Stains	***Ground cover***	***Describe use***	***Reference:***
- Small stains in street and parking area (0.5" to 5" diameter) (throughout street / parking area)	- Asphalt, concrete, shoreline is rock	- Potential impact from parcel 138 from underground storage tanks adjacent to E side of Fifth Street - Railroad tracks - Pipe discharge into Fifth Street from vault on parcel 136 (photo 5-10-4) — PWC - Eight in. aboveground pipeline runs along W shoreline - Two 2-in. diameter, heavily corroded pipeline (running E-W) protrude from rocks of shoreline (and disappears under pavement) - Marked buried gasoline lines - One 55-gal. drum of lube oil - Aboveground diesel storage tank in parking area along W shore (near building 15) -Various access plates (to vaults) throughout	EEW1006

Are there drains in the area? Yes ***Goes Where*** - Runoff from parking area along W side of Fifth Street
- Ten plus drains in street / parking area

NAS/NADEP ALAMEDA
Open Space Survey

Parcel:	Location:	Material Storage: Yes	Outdoor Repair: No	Equipment Parking: No	Is this open space developed? Yes
155	Pier 1	Wash Down: Yes	Training: No	Disposal: Yes	Other:
		Vehicle Parking: Yes	Drum Storage: No	Recreational: No	

Stains	Ground cover	Describe use	Reference:
- Small tanks (four-in. to fifteen-in. diameter) on pier (near waste oil containers)	- Concrete	- Waste oil storage (from DONUT bilge water recovery, presumably), (possible disposal, too) - Waste oil recovery-type equipment near waste oil storage containers - No apparent impact on neighboring parcels other than the surrounding water	EW1006

Are there drains in the area? Yes **Goes Where** - Drains on pier drain directly to surrounding water — includes runoff from pier surface (leaks from waste oil containers)

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
155	Fishing pier	Photo # 5-10-10 - At the fishing pier, S side, W view	- Pipe discharge, origin unknown	EMC1000
155	S side of sea lagoon	Photo # 5-10-11 - S of fishing pier, view W	- Concrete bunker with vent and door on top	EMC1000
155	N side building 64	Photo # 5-10-12 - N side of building 64, view W	- View of E side of parcel 156 docks, note 55-gal. drum behind blue locker at center of photo	EMC1000
155	E side building 15	Photo # 5-10-13 - View W	- Transformer	EMC1000
155	SE side building 15	Photo # 5-10-14 - View SW	- Aboveground storage tank — diesel	EMC1000
155	N of pier 1	Photo 5-10-15 - N pier 1, view N.	- Concrete slabs, hole caps and gasoline demarcations on the ground.	EMC1000
155	Pier 1	Photo 5-10-16 - Pier 1, view W	- Cooler with yellow cord leading under pier.	EMC1000
155	Pier 1	Photo 5-10-17 - Pier 1, view SE.	- Three hazardous waste (waste oil) containers.	EMC1000
155	Pier 1	Photo 5-10-18 - View W.	- Bilge waste donuts on left; waste oil containers on right.	EMC1000
155	Pier 1	Photo 5-10-19 - View W.	- Waste/bilge water pumps?	EMC1000
155	Pier 1	Photo 5-10-20 - View SE.	- Possible asbestos/insulation on steam pipe.	EMC1000
155	Pier 2	Photo # 5-10-21 - Center pier 2, view E	- Roof 2 ft. high (possible underground storage tank), gray concrete slab and black asphalt slab, equipment parking	EMC1000
155	Pier 2	Photo # 5-10-22 - S side, view S	- Fish feeding on wastewater from USS Samuel Gompers	EMC1000
155	Pier 2	Photo # 5-10-23 - S side, view S	- Railroad memorial (historical)	EMC1000
155	Wharf	Photo # 5-10-24 - Wharf between piers 2 and 3, view W	- Transformer within secondary containment	EMC1000
155	Pier 3	Photo # 5-10-25 - N side of pier 3, view N	- Oil stains and absorbent under pump truck/generator	EMC1000

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
155	Pier 3	Photo # 5-10-26 - N side of pier 3, view N	- Oil stains and absorbent under pump truck/generator	EMC1000
155	Pier 3	Photo # 5-10-27 - N side of pier 3, view N	- Oil stains and absorbent under pump truck/generator	EMC1000
155	Fifth Street	Photo # 5-10-4 - W of building 113, N of fishing pier, view E	- Pipe discharge to street from parcel 136	EMC1000
155	Parking lot NW corner of parcel	Photo # 5-10-5 - W of building 113, N of fishing pier, view S	- Sink hole and parking spaces (motor fluids enter ground)	EMC1000
155	N of the W side of the parcel	Photo # 5-10-6 - W of building 114, N of fishing pier, view W	- Transformer	EMC1000
155	NW side of the parcel	Photo # 5-10-7 - Along the sea lagoon; N of fishing pier, view S	- Pipeline (possibly steam)	EMC1000
155	E side of the sea lagoon	Photo # 5-10-8 - Along the sea lagoon; N of fishing pier, view N	- Pipe discharge to sea lagoon, unknown origin	EMC1000
155	Fishing pier	Photo # 5-10-9 - At the fishing pier, N side, N view	- Pipe discharge, origin unknown	EMC1000
155	Pier 3	Photo # 5-11-1 - N side of pier 3 at the 800 marker (mooring), view N	- 15 ft. by 5 ft. stain	EMC1000
155	Pier 3	Photo # 5-11-2 - N side of pier 3 at the 800 marker (mooring), view W	- Trash collection at end of pier 3	EMC1000
155	Pier 3	Photo # 5-11-3 - N side of pier 3 at the 800 marker (mooring), view SE	- Hazardous waste — deck coating cans contains solvent and epoxy resins	EMC1000
155	Pier 3	Photo # 5-11-4 - N side of pier 3 at the 800 marker (mooring), view N	- USS Abraham Lincoln	EMC1000
155	601	Photo # 5-21-12 - SW of building 38, view N	- Waste oil hoses - Stains on concrete	EEW1000
155	601	Photo # 5-21-13 - View NW	- Oil/fuel stain on concrete floor	EEW1000
155	UST 15-1,2,3	Photo # X-1-17 - Photographed by Bill Spong, ERM-Sacramento. - E of sea plane lagoon, facing S	- Underground storage tank location	DB100

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
155	Pier 3	Photo # 5-11-5 - View W	- USS Portsmouth	EMC1000

NAS/NADEP ALAMEDA
Spills and Incidents

Parcel	Location	Type of Incident	Date of Incident	Chemicals Involved	Amounts Spilled or Released	Cleanup, If Done	Reference
155	Pier 3	- Spill	- Unknown	- Some kind of oil	- Fifteen ft. by five ft. stain, N side of pier 3 at the 800 marker (mooring) - See photo 5-11-1	- None	EMC1000
155	Pier 3	- Spill	- Unknown	- Oil	- Next to the third set of transformers (starting W from the wharf) on the N side of pier — concrete affected - See photos 5-10-25, 5-10-26 and 5-10-27	- Absorbent applied around drip pans - Metal drip pans catch most of leakage	EMC1000
155	Pier 1	- Spill	- Unknown	- Bilge water	- Small stains on concrete sidewalk between bilge donuts in the sea lagoon and hazardous waste containers on the pier - Photo 5-10-18	- None	EMC1000
155	Building 558 — substation 14	- Leak	- Unknown	- Non-PCB fluid from capacitors	- ≈ three-ft. by three-ft.	- None apparent	D021
155	601	- Stain	- Unknown	- Waste oil	- Waste oil is released as excess from hoses which are used to transfer waste oil from donuts to Baker tanks - Stain is black, 30 ft. by 20 ft., 10 percent on concrete, (photo 5-21-12)	- None	EMC1000

NAS/NADEP ALAMEDA
Aboveground Storage Tanks

Parcel	Location	Storage Tank Size (Gallons)	Date Applicable	Type of Tank	Materials Stored	Remarks	Reference
155	SE side of building 15	~ 1,000	5/10/94	Unknown	Diesel	- Tank was seen on site walk. - Photo 5-10-14. - Situated on concrete pad with no spill protection.	EMC1000

NAS/NADEP ALAMEDA
Underground Storage Tanks

Parcel	Location	Storage Tank Size (Gallons)	Date Applicable	Type of Tank	Materials Stored	Remarks	Reference
155	N of pier 1, SE side of building 15	Unknown	Unknown	Unknown	Gasoline	- Gasoline lines or tank may be located here. - See photo to see "gasoline line" demarcations on asphalt. - Photo 5-10-15.	EMC1000
155	15-1	2,000	1987	Steel	Diesel	- Installation date unknown.	DB001
155	15-1	2,000	1987-1991	Unknown	Diesel	- First tested in 1987 (passed). Failed 10/21/91 testing. - Status: abandoned. - Scheduled to be removed in 1994.	DB002
155	15-1	2,000	7/24/93	Steel / iron	Diesel	- Active tank. - Date installed: unknown - Unknown if single-walled. - Unknown lining and corrosion protection located on east side of Building 15 adjacent to 5th Street.	EMC002
155	15-3	2,000	7/24/93	Steel	Unknown		EMC002

NAS/NADEP ALAMEDA
Storm Water

Parcel	Location	Stormwater Discharge Points	Drainage Area and Sampling	Reference
155	Fifth Street	- Next to steam pipe system	- Drains to street gutter just W of building 113 - Photo 5-10-4	EMC1000
155	33 Outfalls into SF Bay, Oakland Estuary and Pier Area	33 discharge points located around the perimeter of the station.	Drainage Area: Various Sampling Results: Unknown - Most of piping is corrugated metal which is cracked and/or corroded, causing debris to flush into pipes during storms.	BBK001

NAS/NADEP ALAMEDA
Title Search

Parcel	Location	Issues of Concern/Remarks	Transfer Information and date	Reference
155	Southern boundary of Base		159.21 acres leased from City of Alameda - NOY (R) 54077 1955 and O5RP4077 1989	DB008
155	Most of NAS maps #3, 4, 5		1072.03 acres from War Department by Executive Order #7467. 1936	DB008
155	SE portion of Base	Utilities easement reserved in civil 23109, 1944. Location unknown.	154.60 acres from Louis M. MacDermot in Civil Action # 23109 1944	DB008

NAS/NADEP ALAMEDA
Transformers

Parcel	Location	Transformer#	Size	Date Applicable	PCB's ?	PCB Class	Remarks	Reference
155	NW side of parcel	Unknown	Unknown	5/10/94		Unknown	- Located W of building 14. - N of fishing pier. - Presence or absence of PCBs is unknown.	EMC1000
155	E side building 15	Unknown	Unknown	Unknown		Unknown	- Pad-mounted. - See photo 5-10-13. - Presence or absence of PCBs is unknown.	EMC1000
155	Wharf	Unknown	Unknown	Unknown		Unknown	- One transformer located between piers 2 and 3 (see photo 5-10-24). - One substation located between piers 1 and 2. - Transformer located within fenced area with secondary containment berm. - Presence or absence of PCBs is unknown.	EMC1000

NAS/NADEP ALAMEDA
Transformers

Parcel	Location	Transformer#	Size	Date Applicable	PCB's ?	PCB Class	Remarks	Reference
155	Pier 2 and 3	Unknown	Unknown	Unknown		Unknown	- ~ 150 transformers on the pier. - Some were covered and not able to be counted. - No evidence of leaks; the serial numbers were not too easily read due to corrosion. Some transformer serial numbers were identical (this was odd). - Pier 3 had a concrete slab in the middle under some dumpsters with a vented manhole where a fan (for cooling) and some fins (possibly from a transformer) were visible below. - Presence or absence of PCBs is unknown.	EMC1000
155	558 (transformer across street)	Z190037	10,000	5/24/94		Unknown	- Non-PCB fluid label on transformer. - Capacitor bank (twelve on a steel frame) marked no PCBs (three sitting on concrete and leaking non-PCB fluid).	D021
155	Building Pier 1 W	Unknown	750 kVA	Unknown		Unknown	- To be replaced by contractor ECD - 2/90. - Presence or absence of PCBs is unknown.	EMC126
155	Pier 3	Unknown	Unknown	Unknown		Unknown	- Center pier: 13 transformers. - One transformer E side - TV-1. - Presence or absence of PCBs is unknown.	EMC314

NAS/NADEP ALAMEDA
Transformers

Parcel	Location	Transformer#	Size	Date Applicable	PCB's ?	PCB Class	Remarks	Reference
155	W side of Wharf 2 between Piers 2 and 3	Unknown	Unknown	Unknown		Unknown	- At pole 149. - Presence or absence of PCBs is unknown.	EMC314
155	558	3031940	Unknown	9/30/87	Yes	Unknown	Sub 14.	EMC263
155	Pier 3	3416005	600 KVA	10/30/86	Yes	> 50 ppm	Located TV-5. 270.0 gal. Stored: 8/7/87.	EMC263
155	Wharf 1	3416006	600 KVA	10/30/86, 9/30/87	Yes	> 50 ppm	Located W side. 270.0 gal. Removed / stored: 4/6/85.	EMC263
155	Pier 2 & 3	3416008	600 KVA	10/30/86	Yes	> 50 ppm	Located TV-1. 270.0 gal. Removed / stored: 7/11/86. Hauled: 9/19/86.	EMC263
155	Pier 1	34523	750 KVA	10/30/86, 9/30/87	Yes	> 50 ppm	Located W side. 217 gal.	EMC263
155	Pier 3	3735352	25 KVA	10/30/86	Yes	> 50 ppm	Located TV-3. 15.0 gal. In storage: 6/11/86. Hauler: 9/19/86.	EMC263
155	Pier 2	PFC1527	2500 KVA	10/30/86, 9/30/87	Yes	> 50 ppm	Located TV-2.	EMC263
155	Pier 2	TV-C, TV-D, TV-E	Unknown	Unknown		Unknown	- Pier 2 at pole 101 - two transformers. - Pier 2 at pole 102. - Pier 2 at pole 103. - Presence or absence of PCBs is unknown.	EMC314

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
155	E border of seaplane lagoon	DB016

Utility Type	Description
Aviation fuel line	

Potential for Contamination
Water filled. Possible contamination; fuel lines are not integrity tested.

Parcel:	Location:	Reference:
155	Pier 1	DB016

Utility Type	Description
Aviation fuel line	

Potential for Contamination
Water filled. Possible contamination; fuel lines are not integrity tested.

Parcel:	Location:	Reference:
155	Piers 1, 2, 3 and boundary between piers	DB015

Utility Type	Description
Gasoline line	

Potential for Contamination

Parcel:	Location:	Reference:
155	558	EMC014

Utility Type	Description
Substation #14	in B-558

Potential for Contamination

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
155	15	BBK026

Utility Type	Description
Fuel lines	An underground storage tank supplies fuel to southern boat slip of bldg 15. There are also 2 abandoned USTs.

Potential for Contamination
Possible contamination; fuel lines are not integrity tested.

Parcel:	Location:	Reference:
155	pier area	BBK044

Utility Type	Description
Steam and Condensate System	The lines that outline the piers were replace by private contractors, Monterey Mechanical and E.C. Brougham.

Potential for Contamination
These old asbestos-covered steam lines were thought to have been replaced entirely with calcium silicate lines; but there is no supporting evidence.

Parcel:	Location:	Reference:
155	south of bldg 15	BBK029, BBK044

Utility Type	Description
Steam and Condensate System	Line begins southwest of bldg 64 goes southeast to start at pier 1.

Potential for Contamination
These old asbestos-covered steam lines were thought to have been replaced entirely with calcium silicate lines; but there is no supporting evidence.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
156	midpoint of piers 2 and 3	BBK329, BBK044

Utility Type	Description
Steam and Condensate System	Lateral line begins at pier 2 goes south along wharf to southern edge of pier 3.

Potential for Contamination
Abandoned asbestos-covered steam line.

Parcel:	Location:	Reference:
156	6	EMC317

Utility Type	Description
Storm drains	Two lines flow S to outfall F, and FF. One line flows N to outfall B. One line flows N to outfall A.

Potential for Contamination
Yes. Potential contamination from building 5.

Parcel:	Location:	Reference:
155	Fuel lines that run along interface between hangars and facility bldgs of NADEP	BBK009

Utility Type	Description
Aviation gas lines; now abandoned.	

Potential for Contamination
- When abandoned, lines were drained and filled with water. Breaks have occurred along pipeline.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
155	Primarily east end of NAS	BBK001

Utility Type	Description
Fuel system.	Managed by NAS Alameda Fuels Branch. They also oversee collection storage and disposal of "waste oils." - consists of 13,000 ft of welded steel pipeline. - specific areas were entered on separate templates.

Potential for Contamination
None as specified in this reference.

Parcel:	Location:	Reference:
165	Natural Gas System	BBK001

Utility Type	Description
Natural gas.	Supplied by PG&E through 2 mains.

Potential for Contamination
Several underground leaks have occurred with Class II and Class III lines.

Parcel:	Location:	Reference:
165	Natural Gas System	BBK001

Utility Type	Description
Natural gas.	Supplied by PG&E through 2 mains.

Potential for Contamination
Several underground leaks have occurred with Class II and Class III lines.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
155	W of 39, 40, 644	BBK326

Utility Type	Description
Fuel lines	Line from N edge of parcel 155 goes N and NW to a network of lines on taxiway 7, N of ramps 3 and 4 on parcel 23. Three lines go N from the network and end in the open areas W of buildings 39, 40, and 41.

Potential for Contamination
Possible contamination; fuel lines are not integrity tested.

Parcel:	Location:	Reference:
155	97, 014, 397	BBK325

Utility Type	Description
Fuel lines	"In use" fuel lines drain from tanks at 97; one goes N to parcel 122 to join an abandoned fuel line; one goes W to sea plane ramp number 4 pier; one goes S to building 397; one continuous line covers all 3 piers and wharf area of parcel 155. Extensive branching occurs at the 281 tanks in parcel 138. Pier 3 branches E to tanks 342A and B.

Potential for Contamination
Possible contamination; fuel lines are not integrity tested.

Parcel:	Location:	Reference:
155	6	EMC317

Utility Type	Description
Storm drains	Flows SE to outfall G.

Potential for Contamination
Yes. Potentially from building 6.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
155	391	EMC317

Utility Type	Description
Storm drains	Flows SW to outfall G.

Potential for Contamination
Yes. Potentially from building 391.

Parcel:	Location:	Reference:
155	114	EMC317

Utility Type	Description
Storm drains	Two lines flow N to outfall D. One line flows S to outfall G.

Potential for Contamination
Yes. Potentially from building 114.

Parcel:	Location:	Reference:
155	73B	EMC317

Utility Type	Description
Storm drains	One flows to outfall E. One flows to outfall G.

Potential for Contamination
Yes. Potentially from building 73B.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
156	39	EMC317

Utility Type	Description
Storm drains	Flows to outfall G.

Potential for Contamination
Yes. Potentially from building 39.

Parcel:	Location:	Reference:
156	40	EMC317

Utility Type	Description
Storm drains	Flows to outfall G.

Potential for Contamination
Yes. Potentially from building 40.

Parcel:	Location:	Reference:
156	41	EMC317

Utility Type	Description
Storm drains	Flows to outfall G.

Potential for Contamination
Yes. Potentially from building 41.

Parcel:	Location:	Reference:
156	607	EMC317

Utility Type	Description
Storm drains	Flows to outfall G.

Potential for Contamination
Yes. Potentially from building 607.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
155	162	EMC317

Utility Type	Description
Storm drains	N flows to outfall G. S flows to outfall H.

Potential for Contamination
Yes. Potentially from building 162.

Parcel:	Location:	Reference:
155	112	EMC317

Utility Type	Description
Storm drains	Flows to outfall G.

Potential for Contamination
Yes. Potentially from building 112.

Parcel:	Location:	Reference:
155	393	EMC317

Utility Type	Description
Storm drains	Flows to outfall G.

Potential for Contamination
Yes. Potentially from building 393.

Parcel:	Location:	Reference:
155	67	EMC317

Utility Type	Description
Storm drains	Flows to outfall G.

NAS/NADEP ALAMEDA
Utilities Report

Potential for Contamination
Yes. Potentially from building 67.

Parcel:	Location:	Reference:
155	398	EMC317

Utility Type	Description
Storm drains	Flows to outfall G.

Potential for Contamination
Yes. Potentially from building 398.

Parcel:	Location:	Reference:
155	459	EMC317

Utility Type	Description
Storm drains	Flows to outfall H.

Potential for Contamination
Yes. Potentially from building 459.

Parcel:	Location:	Reference:
155	284	EMC317

Utility Type	Description
Storm drains	Flows to outfall H.

Potential for Contamination
Yes. Potentially from building 284.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
156	118	EMC317

Utility Type	Description
Storm drains	Flows to outfall H.

Potential for Contamination
Yes. Potentially from building 118.

Parcel:	Location:	Reference:
156	east of Seaplane lagoon	BBK329, BBK044

Utility Type	Description
Steam and Condensate System	In Phase III work, these lines were replaced: main distribution line, beginning at northwest corner of parcel 138, one branch goes west to bldg 14, another branch goes south to bldg 64. At manhole #120, southwest of bldg 14, a branch goes east to northeast corner area of bldg 372.

Potential for Contamination
These old asbestos-covered steam lines were thought to have been replaced entirely with calcium silicate lines; but there is no supporting evidence.

Parcel:	Location:	Reference:
165	113	EMC317

Utility Type	Description
Storm drains	Flows to outfall G.

Potential for Contamination
Yes. Potentially from building 113.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
156	349	EMC317

Utility Type	Description
Storm drains.	Flows to outfall H.

Potential for Contamination
Yes. Potentially from building 349.

Parcel:	Location:	Reference:
156	168	EMC317

Utility Type	Description
Storm drains	E side flows to outfall I. W side flows to outfalls I and J.

Potential for Contamination
Yes. Potentially from building 168.

Parcel:	Location:	Reference:
159	169	EMC317

Utility Type	Description
Storm drains	W side flows to outfalls J and I. E side flows to outfall J.

Potential for Contamination
Yes. Potentially from building 169.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
156	180	EMC317

Utility Type	Description
Storm drains	Flows to outfall I.

Potential for Contamination
Yes. Potentially from building 180.

Parcel:	Location:	Reference:
156	166	EMC317

Utility Type	Description
Storm drains	N side flows to outfall J and I. S side flows to outfalls K and O and P.

Potential for Contamination
Yes. Potentially from building 166.

Parcel:	Location:	Reference:
155	449	EMC317

Utility Type	Description
Storm drains	Flows to outfall I and J

Potential for Contamination
Yes. Potentially from building 449.

Parcel:	Location:	Reference:
155	167, 166, 410, 169	BBK329, BBK044

Utility Type	Description
Steam and Condensate System	In Phase III work, these lines were replaced: lateral line from the southeast corner of bldg 169 south to the northwest corner of bldg 410, then west to bldgs 166, 167, then

	northwest to join distirbution line just south of bldg 38.
Potential for Contamination These old asbestos-covered steam lines were thought to have been replaced entirely with calcium silicate lines; but there is no supporting evidence.	

Parcel: 155	***Location:*** 530	***Reference:*** EMC317
Utility Type Storm drains	***Description*** Flows to outfalls P and J.	
Potential for Contamination Yes. Potentially from building 530.		

Parcel: 155	***Location:*** 338	***Reference:*** EMC317
Utility Type Storm drains	***Description*** S side flows to outfall Q. N side flows to outfall P.	
Potential for Contamination Yes. Potentially from building 338.		

Parcel: 155	***Location:*** SG	***Reference:*** EMC317
Utility Type Storm drains	***Description*** Flows to outfalls J and P.	
Potential for Contamination Yes. Potentially from building SG.		

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
155	410	EMC317

Utility Type	Description
Storm drains	Flows to outfall J.

Potential for Contamination
Yes. Potentially from building 410.

Parcel:	Location:	Reference:
155	588	EMC317

Utility Type	Description
Storm drains	Flows to outfall J.

Potential for Contamination
Yes. Potentially from building 588.

Parcel:	Location:	Reference:
155	460A	EMC317

Utility Type	Description
Storm drains	Flows to outfall P. Flows to outfall J.

Potential for Contamination
Yes. Potentially from building 460A.

Parcel:	Location:	Reference:
155	620	EMC317

Utility Type	Description
Storm drains	Flows to outfall P.

Potential for Contamination
Yes. Potentially from building 620.

Parcel: 155	Location: 619	Reference: EMC317
Utility Type: Storm drains	Description: Flows to outfall P.	
Potential for Contamination: Yes. Potentially from building 619.		

Parcel: 155	Location: 618	Reference: EMC317
Utility Type: Storm drains	Description: Flows to outfall P and J.	
Potential for Contamination: Yes. Potentially from building 618.		

Parcel: 155	Location: 529	Reference: EMC317
Utility Type: Storm drains	Description: Flows to outfall P, and J	
Potential for Contamination: Yes. Potentially from building 529.		

NAS/NADEP ALAMEDA
Utilities Report

Parcel: Location:	Reference:
155 167	EMC317
Utility Type Storm drains	**Description** N side flows to outfall J. S side flows to outfall K.
Potential for Contamination Yes. Potentially from building 167.	

NAS/NADEP ALAMEDA
Wastewater Report

Parcel	Location	Industrial Wastewater Generated?	Reference
156	Home ported ships	B	EMC213

Types of Wastewater
- All wastewater from the ship is tanked away, treated at the IWTPs, and discharged to EBMUD.
- Previously the wastewater was discharged to the Bay.

Discharge flow drain line
- Not available from reference.

PARCEL 159

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
159	- In 1947, building 292 is present and the parcel appears to be used for aircraft parking and storage. - In 1953, lot appears to be stained due to aircraft. - In 1958-1963, no change. - In 1966, parcel 159 is vacant. - In 1970, used for parking and storage. - In 1975, building 565 is present. - In 1981, no change. - In 1985, a small building is present in the S corner of the parcel. - In 1990-1993, no change.	Pacific Aerial Surveys			JLR073

NAS/NADEP ALAMEDA
Asbestos

Parcel	Location	Survey?	Asbestos?	Friable?	Location of Asbestos	Remarks	Reference
159	292	No		Unknown	- Floor tile, some pipe lagging, shingles.	- Presence or absence of asbestos is unknown. - Non-friable.	EMC1000
159	292 / Riggers Shop	No	Yes	Unknown		- Informal assessment; no supporting evidence.	BBK007
159	302W / Navigation Aid Target	No		No		- Informal assessment; no supporting evidence.	BBK007
159	566 / Guard and Watch Tower	No	Yes	Unknown		- Informal assessment; no supporting evidence.	BBK007

NAS/NADEP ALAMEDA
Building Information

Parcel	Location	Date Constructed	Sq Footage	Type of Construct.	Use	Applicable Date	Remarks	Reference
159	292	1945	2,735		Rigging shop			DB003
159	566	1975	225		guard and watch towers			DB003
159	292				Public Works riggers	1/66		EMC257

NAS/NADEP ALAMEDA
Building Inspection

Parcel:	Location:	Reference:
159	292	EMC 1061

Building Description	Evidence of chemical storage/use and location within building
- Concrete foundation — wood walls - Possible asbestos, non-friable asbestos shingles, friable asbestos lagging was removed by PWC - Coffee room, bathrooms, mop room, offices - Outside storage locker should be inspected during outside area inspection - Crane and rigging located here at least last 24 years (Gil's length of service)	- Outside building, engine oil locker; and four more lockers this should be covered in outside inspection 1. flammable material, 2. grease and oil, 3. cleaning gear and 4. storage hoses pump parts - Hazardous waste rags present in loft area - Swedging machine in rigging loft — uses gasoline in loft area - Gas can located on shelf S side of loft room

Other Issues
- Paint chipping in office and ceilings

Parcel:	Location:	Reference:
159	566	EMC1000

Building Description	Evidence of chemical storage/use and location within building
- Guard tower for parking area - Thirty ft. high platform with ladder leading to it - Guard shack is five ft. by three ft. (toll booth size) with one chair, top half is windows constructed of aluminum frame	- None

Other Issues
- One dumpster

NAS/NADEP ALAMEDA
Chemical Inventory

Parcel	Location	Chemical Types	Quantities Stored	Uses and Mgmt Practices	Applicable Date	Reference
159	292, outside area E side	- Lube oil - Grease	- 100 gal.	- Stored in CONEX boxes. - See photo 5-25-2 and 5-25-3.	5/24/93	EMC1000

NAS/NADEP ALAMEDA
Hazardous Waste

Parcel	Location(s)	Hazardous Waste?	Type/Quantity	Description	Applicable Dates	Reference
159	292	Yes	- Hazardous waste: oily rags from swedging machine	- Oily rags are collected in a can then disposed of in red bags and transfered to hazardous waste disposal unit	5/20/94	EMC1061

NAS/NADEP ALAMEDA
Historical

Parcel	Location(s)	Subject(Historical building, Indian ruins,etc.)	Remarks	Reference
159	East of Pier 2	Fill material	Fill from channel and turning basin was used to construct more land. Fill material potentially contaminated.	EMC217

NAS/NADEP ALAMEDA
Interview

Parcel	Location(s)	Name of Interviewee	Information	Reference
159	292	- Gil Rivera — building 292, 263-3258 or 263-3259, 24 years at Alameda	- Guide for building 292 - Will supply a list of long time employees of his unit, which include: - William Bryan — crane operator - Ray Boyer — safety coordinator - Frank Watson — retired, 52 years service, was here when the base opened (note: a good source — may want to contact) - Gil gave us the names and years of service for his employees. He will help with interviews that may be needed for phase II	EMC1061
159	Bldg. 292	- Gil Rivera, Crane & Rigging Foreman (510) 263-3258 or 263- 3259 Bldg 292, Office 23 years at NAS Alameda, supervises crane & rigging, and forklift operators	- Pier piling maintenace was historically performed in building. The building contains VAT, asbestos pipe lagging, and transite.	D032

NAS/NADEP ALAMEDA
IR

Parcel:	***Location:***	***Reference:***
159	East of Seaplane Lagoon	KMT003

Describe source of contamination, including chemicals.	***Describe Contamination***
Not available from reference. (Potential contamination migration from IR site)	Exact boundary of operable unit in unknown. Sampling has not occurred to define boundary.

Describe Status of Investigation/remediation
N/A from reference

NAS/NADEP ALAMEDA
Miscellaneous Information

Parcel	Location	Subject	Remarks	Reference
159	Pier 3, Avenue N & 9th Street	Railroad tracks	Pier 3 has 6 tracks - 3 N side, 3 S side and one crossover track. Four tracks turn NE at the E end of the Pier and end in parcel 160 just W of building 447. One of the Pier 3 S side tracks turns NE at the E side of Pier 3, cuts the NW corner of parcel 161 and crosses parcel 198 to meet another Pier 3 track along the S side of Avenue N. One of the Pier 3 N side tracks runs E along the S side of Avenue N along the parcel line touching parcels 160, 198, 163, 159, 160, 150. At the SW corner of parcel 150 this track turns NE brushing the E side of parcel 202 and then turning N to Avenue M and 9th Street. As this track travels along 9th Street a short branch leaves toward the NE and ends on the N side of Avenue L, S of building 164. At this branch the 9th Street track splits into two and the two tracks travel N along both sides of the street and junctions in parcel 134 exactly S of 97D and 97E. There is no crossover track that crosses 9th Street in parcel 134 between parcels 164 and 142.	EMC256
159	Pier 2	Railroad tracks	Track on Pier 2: Two tracks with 3 cross tracks connecting/merging them. One track along the N side of the pier travels E and then NE along the W side of Wharf 1 and joins the track from pier 1. The other track on the S side of pier 2 travels E along the S side of Avenue M and when it is N of building 621 it turns NE into parcel 153 and joins a N/S track on 9th Street E of the SE corner of parcel 152.	EMC256

NAS/NADEP ALAMEDA
Open Space Survey

Parcel:	Location:	Material Storage	Yes	Outdoor Repair	Yes	Equipment Parking	Yes	Is this open space developed?	Yes
159	001	Wash Down	Yes	Training	No	Disposal	No		
		Vehicle Parking	Yes	Drum Storage	No	Recreational	No		

Stains

- Car parking stains > 1,000, see photos 5-25-4 and 5-25-6
- 20 ft. by 20 ft. stain NE corner of parcel, third parking row from the E, fourth parking space from the N, see photo 5-25-7, 4 ft. by 2 ft. transmission fluid spill just 5 ft. W of this stain
- One 10 ft. by 2 ft. stain fifth parking row from the E, fourth parking space from the N
- Note: Parking row is a lane one drives with parking spaces on one or both sides

Ground cover

- 100 percent paved - 50 percent concrete, 50 percent asphalt.

Describe use

.- Building 292
- One dumpster N side of 566
- One port-a-potty S side of 566

Reference:

EMC1000

NAS/NADEP ALAMEDA
Open Space Survey

Are there drains in the area? Yes ***Goes Where*** - Strom drains are scattered throughout the parking area of the parcel — under cars
- One was found under a car in the sixth parking row, seventh parking space from the E
- One was found under a car in the first parking row from the E, fourth parking space from the N
- This drain line covers the N parking area with about four drains

Parcel: 168 ***Location:*** ***Material Storage*** Yes ***Outdoor Repair*** No ***Equipment Parking*** Yes ***Is this open space developed?*** Yes
Wash Down No ***Training*** No ***Disposal*** Yes ***Other***
Vehicle Parking Yes ***Drum Storage*** Yes ***Recreational*** No

Stains	***Ground cover***	***Describe use***	***Reference:***
- Oil stains on concrete around building 292 - Large 10 ft. by 10 ft. stain in NE portion on pavement - Fresh puddle of transmission fluid under vehicle in NE portion of parcel - Several large stains (7 ft. by 2 ft., 4 ft. by 3 ft., 1 ft. by 2 ft.)	- 5 percent concrete, 95 percent paved	- Short / long term vehicle parking (30 stalls on concrete, over 1,000 stalls on apshalt) - Parking of crane / rigging equipment on W side of building 292 - Concrete vault with two condensate return pumps - Large trash dumpster in parking area	EEW1000

Are there drains in the area? Yes ***Goes Where*** - Drains in parking area collect runoff from pavement (approximately 4 drains)
- Drains are hidden under parked cars
- One drain is at the edge of a stain

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
159		Photo # 5-25-10 - View NW.	- Fresh transmission fluid (red) drip on pavement under car (2 ft. by 4 ft.).	EEW1000
159	E of building 292	Photo # 5-25-2 - E side of building 292. - View E.	- Fifty-five gal. drum of lubricating oil. - Stain on floor.	EEW1000
159	E of building 292	Photo # 5-25-3 - E side of building 292. - View E.	- Flammable material locker. - Engine oil locker.	EEW1000
159	Parking area	Photo # 5-25-4 - W side of building 292. - View E.	- Oil stains typical of concrete parking area (or cracked concrete).	EEW1000
159	Parking area	Photo # 5-25-5 - View S (from N edge of parcel).	- Oil stains typical of paved parking area.	EEW1000
159	Parking area	Photo # 5-25-6 - S edge of Avenue M view.	- 4 ft. by 3 ft. fuel-like stain on pavement.	EEW1000
159	Parking area	Photo # 5-25-7 - View S	- Large stain (10 ft. by 10 ft.)	EEW1000
159	Parking area	Photo # 5-25-8 - View W.	- 2 ft. by 7 ft. stain on pavement.	EEW1000
159	Parking area	Photo # 5-25-9 - View SE.	- Drain and 1 ft. by 2 ft. stain under car.	EEW1000

NAS/NADEP ALAMEDA
Spills and Incidents

Parcel	Location	Type of Incident	Date of Incident	Chemicals Involved	Amounts Spilled or Released	Cleanup, If Done	Reference
159	292	- Spill	5/20/94	- Generator fuel - Grease / oil	- Unknown - Large pans and stains exist under the generators	- Absorbent applied	EMC 1061

NAS/NADEP ALAMEDA
Storm Water

Parcel	Location	Stormwater Discharge Points	Drainage Area and Sampling	Reference
159	Middle of parking area	- Stain around drain	- Drainage area: Paved parking area	EEW1000

NAS/NADEP ALAMEDA
Title Search

Parcel	Location	Issues of Concern/Remarks	Transfer Information and date	Reference
159	SE portion of Base	Utilities easement reserved in civil 23109, 1944. Location unknown.	154.60 acres from Louis M. MacDermot in Civil Action # 23109 1944	DB008

NAS/NADEP ALAMEDA
Transformers

Parcel	Location	Transformer#	Size	Date Applicable	PCB's ?	PCB Class	Remarks	Reference
159	Whole parcel	N / A	N / A	N / A		Unknown	- One transformer, 14,000kVA, located NW corner of parcel. - One transformer, E side of subship office, N of 342 A and B. - One transformer, SE corner of parcel. - One transformer, W of 612 on the E side of parcel. - PCB N/A.	EMC1000
159	NW corner of parcel	Unknown	Unknown	Unknown		Unknown	- Within fenced area at NW corner of parcel 159. - Presence or absence of PCBs is unknown.	EMC314
159	S edge of parcel	Unknown	Unknown	Unknown		Unknown	- One pad-mounted and two transformers. - Presence or absence of PCBs is unknown.	EMC314

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
159	West side of 8th Street	EMC014

Utility Type	Description
Electrical	2 oil/vacuum switches 1: west side of 8th Avenue between M & N 1: west side of 8th Avenue at North (north side)

Potential for Contamination

Parcel:	Location:	Reference:
159	584	BBK329, BBK044

Utility Type	Description
Steam and Condensate System	Line begins at midpoint of Piers 2 and 3, goes east to bldg 584.

Potential for Contamination
These old asbestos-covered steam lines were thought to have been replaced entirely with calcium silicate lines; but there is no supporting evidence.

Parcel:	Location:	Reference:
159	Fuel lines that run along interface between hangars and facility bldgs. of NADEP	BBK009

Utility Type	Description
Aviation gas lines; now abandoned.	

Potential for Contamination
- When abandoned, lines were drained and filled with water. Breaks have occurred along pipeline.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
159	166	EMC317

Utility Type	Description
Storm drains	N side flows to outfall J and I. S side flows to outfalls K and O and P.

Potential for Contamination
Yes. Potentially from building 166.

Parcel:	Location:	Reference:
159	584	BBK329, BBK044

Utility Type	Description
Steam and Condensate System	Line begins at bldg 584 goes north and joins East-West main distribution line under Eighth St.

Potential for Contamination
These old asbestos-covered steam lines were thought to have been replaced entirely with calcium silicate lines; but there is no supporting evidence.

PARCEL 160

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
160	- In 1947, building 293 is present. Rest of parcel is used for aircraft parking. - In 1953, building 447 is present. - In 1958-1970, no change. - In 1975, buildings 551 and 557 are present. - In 1981-1993, no change.	Pacific Aerial Surveys			JLR073

NAS/NADEP ALAMEDA
Asbestos

Parcel	Location	Survey?	Asbestos?	Friable?	Location of Asbestos	Remarks	Reference
160	551 / Sewage Holding Tank and Building	No	No			- Informal assessment; no supporting evidence.	BBK007
160	557 / Electric Distribution Line	No	No			- Informal assessment; no supporting evidence.	BBK007
160	302W / Navigation Aid Target	No	No			- Informal assessment; no supporting evidence.	BBK007

NAS/NADEP ALAMEDA
Building Information

Parcel	Location	Date Constructed	Sq Footage	Type of Construct.	Use	Applicable Date	Remarks	Reference
160	293	1946	1083	semi-permanent	boat repair shop	6/88	demolished.	DB006
160	447	1944	532	semi-permanent	storage for water front operations	prior to 1989	Not present during 1992 survey.	DB006
160	418	1952	1,136	semi-permanent	boat repair shelter	6/88	demolished.	DB006
160	Trailer				subships			BBK200
160	557				Electrical Distribution Line		8,600 linear feet	BBK200
160	551				Sewage Holding Tank & Building		98,000 gallons	BBK200

NAS/NADEP ALAMEDA
Building Inspection

Parcel:	Location:	Reference:
160	Building 557 — substation 12	DD21

Building Description	Evidence of chemical storage/use and location within building
- Construction: Concrete floor and walls, corrugated metal ceiling - Use: Electrical substation #12; no oil-filled devices, only air circuit breakers are present. Transformer compound located adjacent to the E side of substation	- Release of non-PCB fluid on S side of transformer #X-558 (see photo 4-11-2) - Drums of transformer fluid stored in transformer compound

Other Issues

Parcel:	Location:	Reference:
160	293, 447, 217	BBK802

Building Description	Evidence of chemical storage/use and location within building
- Demolished	

Other Issues

Parcel:	Location:	Reference:
160	Mare Island Naval Shipyard Remote Facility	BBK802, BBK826

Building Description	Evidence of chemical storage/use and location within building
- Trailer type, wood reinforced with steel. Tile floor - On site since 1987. Currently used as office space	- None

Other Issues
- No IH issues

NAS/NADEP ALAMEDA

Building Inspection

Parcel:	Location:	Reference:
80	Supervip office	BBK802

Building Description	Evidence of chemical storage/use and location within building
- Trailer type - In use since 1986 - Photo 6-21-21	- No chemicals evident

Other Issues
- No IH issues

NAS/NADEP ALAMEDA
Chemical Inventory

Parcel	Location	Chemical Types	Quantities Stored	Uses and Mgmt Practices	Applicable Date	Reference
160	Building 557 — transformer compound	- Transformer fluid	- Eight 55-gal. drums	- Stored on wood pallets or on concrete in 55-gal. drum (see photo 4-11-3).	5/24/94	D021
160	Mare Island Shipyard Remote Facility	1. Paint products 2. Metal remover 3. Isopropyl alcohol 4. Batteries	1. <100-gal. 2. < 1-gal. 3. < 1-gal. 4. 2 large units	- Paint products kept in separate lockers; team G could not gain access. Hazardous materials locker stores materials used on ships while they are in port. Material is transferred to main Vallejo Mare Island Facility when ships are out of port. - Batteries were stored on pallet outside	5/23/94	BBK802, BBK826

NAS/NADEP ALAMEDA
Historical

Parcel	Location(s)	Subject(Historical building, Indian ruins,etc.)	Remarks	Reference
160	East of Pier 2	Fill material	Fill from channel and turning basin was used to construct more land. Fill material potentially contaminated.	EMC217

NAS/NADEP ALAMEDA
Interview

Parcel	Location(s)	Name of Interviewee	Information	Reference
160	Bldg. 551	- Randy Cate, Environmental Coordinator (510) 263-3716 Bldg. 1 4.5 yrs. at NADEP, 8.5 yrs. at NAS Alameda, manages env. compliance prog.	- Historically, PCB-containing fluid was sprayed on the perimeter road for weed control. - Sewage mixed with JP-5 backed up in the sewage lift station (building 551) and contaminated the parcel around the building. The material went into the storm drain and soil near building.	D036
160	Aircraft parking/preserving	Phillip Vercelli NADEP employee from 1945-1982 Worked with Production Engineering Group during his last 12-13 years.	Aircraft were preserved and parked in this area. The engines were run periodically. There were fuel/oil spills associated with connecting and disconnecting the engines.	DB021

NAS/NADEP ALAMEDA
Miscellaneous Information

Parcel	Location	Subject	Remarks	Reference
160	Pier 3, Avenue N & 9th Street	Railroad tracks	Pier 3 has 6 tracks - 3 N side, 3 S side and one crossover track. Four tracks turn NE at the E end of the pier and end in parcel 160 just W of building 447. One of the pier 3 S side tracks turns NE at the E side of pier 3, cuts the NW corner of parcel 161 and crosses parcel 198 to meet another pier 3 track along the S side of Avenue N. One of the pier 3 N side tracks runs E along the S side of Avenue N along the parcel line touching parcels 160, 198, 163, 159, 160, 150. At the SW corner of parcel 150 this track turns NE brushing the E side of parcel 202 and then turning N to Avenue M and 9th Street. As this track travels along 9th Street a short branch leaves toward the NE and ends on the N side of Avenue L, S of building 164. At this branch the 9th Street track splits into two and the two tracks travel N along both sides of the street and junctions in parcel 134 exactly S of 97D and 97E. There is no crossover track that crosses 9th Street in parcel 134 between parcels 164 and 142.	EMC256

NAS/NADEP ALAMEDA
Open Space Survey

Parcel:	Location:	Material Storage: Yes	Outdoor Repair: No	Equipment Parking: Yes	Is this open space developed? Yes
180	Outside area of buildings 557, 551, cupship office	Wash Down: No	Training: No	Disposal: Yes	Other
		Vehicle Parking: Yes	Drum Storage: No	Recreational: No	

Stains	Ground cover	Describe use	Reference:
- Typical parking lot stains - Stain under maintenance equipment - Stain under diesel generator E of building 557	- 90 percent asphalt (good), 10 percent concrete (good)	- Office trailers for contractors parked on parcel - Vehicle parking - Roadway - Maintenance equipment - The fenceline of adjacent parcels 155, 159, 198 and 162 is mainly vehicle parking area, roadway - Four transformers on site - Railroad tracks	BBK802

Are there drains in the area? Yes **Goes Where** - Rain run-off; outfall probably drains to bay

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
160	Open space	Photo # 6-21-13 - W view - Naval shipyard area	- Paint storage locker (temporary)	SDG001
160	Open space	Photo # 6-21-14 - W view - Naval shipyard area	- Oil-filled transformer	SDG001
160	Open space	Photo # 6-21-15 - N view - Naval shipyard area	- 2 hazardous materials lockers	SDG001
160	Open space	Photo # 6-21-16 - N view - Naval shipyard area	- Diesel generator	SDG001
160	Open space	Photo # 6-21-17 - W view - Adjacent to Building 551 (E)	- Transformer	SDG001
160	Open space	Photo # 6-21-18 - N view - In between Building 551 and supship office	- Transformer	SDG001
160	Open space	Photo # 6-21-19 - N view - Adjacent to right side of supship office	- Sewage lift station #14 - Building 592	SDG001
160	Supship office	Photo # 6-21-21 - Supship office - N view	- Supship office	SDG001
160	Open space	Photo # 6-21-11 - Center of parcel 160	- Forklift parking area adjacent to building 557	SDG001

NAS/NADEP ALAMEDA
Spills and Incidents

Parcel	Location	Type of Incident	Date of Incident	Chemicals Involved	Amounts Spilled or Released	Cleanup, If Done	Reference
160	Building 557 — substation 12	- Release / leak	- Unknown	- Transformer fluid	- Leak of non-PCB fluid from S side of transformer #X-558 (see photo 4-11-2)	- None apparent	D006
160		- Stain	- Unknown	- Unknown	- Staining evident beneath diesel generator (photo 6-21-16)		BBK802
160	Buildings 551, 557, 535, supship office, 592, 217, 385, 342A and B	- General vehicle parking stains					BBK802
160	551	Pump failure	9/19/88	Raw sewage	800 gallons, may have entered stormdrain.	Stormdrains bermed. PWCSF, NAS Alameda Port Services, Fire Dept, American Environmental Management Corp, EBMUD contacted. AEM Corp is cleaning up spill.	BBK206

NAS/NADEP ALAMEDA
Title Search

Parcel	Location	Issues of Concern/Remarks	Transfer Information and date	Reference
160	SE portion of Base	Utilities easement reserved in civil 23109, 1944. Location unknown.	154.60 acres from Louis M. MacDermot in Civil Action # 23109 1944	DB008
160	Southern boundary of Base		159.21 acres leased from City of Alameda - NOY (R) 54077 1955 and O5RP4077 1989	DB008

NAS/NADEP ALAMEDA
Transformers

Parcel	Location	Transformer#	Size	Date Applicable	PCB's ?	PCB Class	Remarks	Reference
160	557	X-555, X-554, X-558	12,500 kVA	5/24/94		Unknown	- Three pad-mounted. - Capacitor banks (non-PCB containing). - Presence or absence of PCBs in transformers is unknown.	D021
160	E of building 385 in Mare Island Facility Yard	Unknown	Unknown	5/23/94		Unknown	- Oil-filled transformer on clean concrete pad. - Presence or absence of PCBs is unknown.	BBK802
160	E of building 551	6549	150kVA	Unknown		Unknown	- Four 160 V, mounted on clean concrete pad. - Photo 6-21-17. - Presence or absence of PCBs is unknown.	BBK802
160	E of supship office building	Unknown	Unknown	Unknown		Unknown	- Unknown if transformer is oil-filled type. Transformer mounted on concrete pad. - Info requested above was unavailable. - Photo 6-21-19. - Presence or absence of PCBs is unknown.	BBK802
160	In between building 551 and supship office	Unknown	Unknown	Unknown		Unknown	- Unknown if oil-filled type. Transformer mounted on concrete pad. - Transformer number, size, date applicable, PCB presence and classification is unknown. - Photo 6-21-18.	BBK802
160	551	Unknown	Unknown	Unknown		Unknown	- E side has one pad-mounted. - Presence or absence of PCBs is unknown.	EMC314

NAS/NADEP ALAMEDA
Transformers

Parcel	Location	Transformer#	Size	Date Applicable	PCB's ?	PCB Class	Remarks	Reference
160	557	Unknown	Unknown	Unknown		Unknown	- Center of W-most fenced yard - one transformer. - S edge of E-most fenced yard - one transformer. - Presence or absence of PCBs is unknown.	EMC314
160	Supship office	Unknown	Unknown	Unknown		Unknown	- SW corner of building next to Avenue N. - Presence or absence of PCBs is unknown.	EMC314

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
160	557	EMC316

Utility Type	Description
Substation #12	West side of Bldg 557

Potential for Contamination

Parcel:	Location:	Reference:
160	584	BBK320, BBK044

Utility Type	Description
Steam and Condensate System	Line begins at midpoint of Piers 2 and 3, goes east to bldg 584.

Potential for Contamination
These old asbestos-covered steam lines were thought to have been replaced entirely with calcium silicate lines; but there is no supporting evidence.

PARCEL 164

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
164	- In 1947, building 170 is present. - In 1953-1993, no change.	Pacific Aerial Surveys			JLR073

NAS/NADEP ALAMEDA
Asbestos

Parcel	Location	Survey?	Asbestos?	Friable?	Location of Asbestos	Remarks	Reference
164	170 / General Warehouse (NSCO/NADEP)	No	Yes	Unknown		- Informal assessment; no supporting evidence.	BBK007

NAS/NADEP ALAMEDA
Building Information

Parcel	Location	Date Constructed	Sq Footage	Type of Construct.	Use	Applicable Date	Remarks	Reference
164	170	1957	91,790	Wood frame with metal siding, concrete floor, wood roof with metal roofing	Material & equipment staging/storage			DB003
164	168, 169, 170				storehouses	1/66		EMC257

NAS/NADEP ALAMEDA
Building Inspection

Parcel:	Location:	Reference:
164	Building 170	BBK802 BBK833

Building Description
- Large rectangular warehouse
- Concrete foundation / pad.
- Block walls to a height of five ft., corrugated galvanized metal on steel framing the rest of the way up.
- Vaulted ceiling

Evidence of chemical storage/use and location within building
- Storage yes
- Use yes

Other Issues
- There is a GAP site located in the office area (NE corner of warehouse) which has a continual throughput of chemical for disposal (see Hazardous Waste form)

NAS/NADEP ALAMEDA
Chemical Inventory

Parcel	Location	Chemical Types	Quantities Stored	Uses and Mgmt Practices	Applicable Date	Reference
164	Building 170	1. Corrosion preventative compounds 2. Packaging foam 3. Packaging box adhesives 4. Cutting oil / lube oil 5. Spray paint / brush paints	1. About 20 gal. 2. Ten 55 gal. drums 3. 20 gal. 4. 5 gal. 5. Six 1 gal. cans, a few spray canisters	- Foam-in place area: Packaging foam — stored on skids in a bay area near packaging areas; two separate foam packaging areas. Many stains on the floor in these areas - Tool area: Paints / adhesives — stored in two metal cabinets. Many small drip marks on the floor near the cabinet and nearby work benches - Caged storage area contains about 50 canisters of paints, adhesives and corrosion preventative compounds - Cutting oil in cabinet in tool area - Photos 6-26-17, 6-26-18, 6-26-20, 6-26-21	5/31/94	BBK802, BBK833

NAS/NADEP ALAMEDA
Hazardous Waste

Parcel	Location(s)	Hazardous Waste?	Type/Quantity	Description	Applicable Dates	Reference
164	Building 170	Yes	- Thinner: ~ 5 gal. - Adhesive: less than 5 qts. - Resin: less than 5 qts. - Varnish: less than 2 gal.	- Hazardous waste / excess is sent by NADEP shops in buildings 166, 167, 397, 398, 360, 530 and others in this area. Material is stored in locker and on bare table / floor while other shops are asked if they want chemicals; if not, then sent to various GAP sites within 60 days. - Quantity of material in office varies week to week (photos 6-26-23, 6-26-24, 6-26-22)	5/31/94	BBK802, BBK834

NAS/NADEP ALAMEDA
Historical

Parcel	Location(s)	Subject(Historical building, Indian ruins,etc.)	Remarks	Reference
164	Area east of Pier 1	Fill material	This area was filled with material taken from the channel and turning basin associated with the construction of Pier 3. Fill material potentially contaminated.	EMC217

NAS/NADEP ALAMEDA
Interview

Parcel	Location(s)	Name of Interviewee	Information	Reference
164	NADEP Building 170	Elizabeth Berman 263-7179	No lead paint used or disposed at NADEP since lead paint was prohibited No lead remediation or abatement at NADEP No lead testing at NADEP	EMC221, EMC224
164	170	Carl Marble	On duty at NAS Alameda from Jan. 1944-1956 Supply - clean	BBK054

NAS/NADEP ALAMEDA
IR

Parcel:	Location:	Reference:
164	East of Seaplane Lagoon	KMT002

Describe source of contamination, including chemicals.	Describe Contamination
Not available from reference. (Potential contamination migration from IR site)	Part or all of parcel is in a ground water operable unit.

Describe Status of Investigation/remediation
N/A from reference

Parcel:	Location:	Reference:
164	East of Seaplane Lagoon	KMT003

Describe source of contamination, including chemicals.	Describe Contamination
Not available from reference. (Potential contamination migration from IR site)	Exact boundary of operable unit in unknown. Sampling has not occurred to define boundary.

Describe Status of Investigation/remediation
N/A from reference

NAS/NADEP ALAMEDA
Miscellaneous Information

Parcel	Location	Subject	Remarks	Reference
164	170	Packaging & preservation equipment warehouse	Machinery is coated with oil.	DB004
164	Pier 3, Avenue N & 9th Street	Railroad tracks	Pier 3 has 6 tracks - 3 N side, 3 S side and one crossover track. Four tracks turn NE at the E end of the pier and end in parcel 160 just W of building 447. One of the pier 3 S side tracks turns NE at the E side of pier 3, cuts the NW corner of parcel 161 and crosses parcel 198 to meet another pier 3 track along the S side of Avenue N. One of the pier 3 N side tracks runs E along the S side of Avenue N along the parcel line touching parcels 160, 198, 163, 159, 160, 150. At the SW corner of parcel 150 this track turns NE brushing the E side of parcel 202 and then turning N to Avenue M and 9th Street. As this track travels along 9th Street a short branch leaves toward the NE and ends on the N side of Avenue L, S of building 164. At this branch the 9th Street track splits into two and the two tracks travel N along both sides of the street and junctions in parcel 134 exactly S of 97D and 97E. There is no crossover track that crosses 9th Street in parcel 134 between parcels 164 and 142.	EMC256

NAS/NADEP ALAMEDA
Open Space Survey

Parcel	Location:	Material Storage No	Outdoor Repair No	Equipment Parking No	Is this open space developed? Yes
164	Open space immediately around perimeter of building	Wash Down No Vehicle Parking No	Training No Drum Storage No	Disposal No Recreational No	Other Paved area next to building

Stains	Ground cover	Describe use	Reference:
- Typical stains associated with vehicle parking	- 100 percent concrete	- Paved area next to building 170 - Fenceline of parcel 134, 140 is roadway and parking area	BBK802

Are there drains in the area? No **Goes Where**

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
164	Building 170	Photo # 6-26-16 - Near NW corner of building 170, looking S	- Hazardous materials lockers	BBK800
164	Building 170	Photo # 6-26-17 - Near NW corner of building 170, looking S	- Hazardous materials lockers (with flash)	BBK800
164	Building 170	Photo # 6-26-18 - Near NW corner of building 170, looking S	- Hazardous materials lockers (#2)	BBK800
164	Building 170	Photo # 6-26-19 - Near NE corner of building 170, looking E	- Packaging foam drums and spill	BBK800
164	Building 170	Photo # 6-26-20 - Near NE corner of building 170, looking SE	- Chemical storage	BBK800
164	Building 170	Photo # 6-26-21 - Near NE corner of building 170, looking E	- Hazardous materials locker #3	BBK800
164	Building 170	Photo # 6-26-22 - In GAP management office, looking W	- Hazardous materials locker	BBK800
164	Building 170	Photo # 6-26-23 - In GAP management office, looking N	- Hazardous materials storage	BBK800
164	Building 170	Photo # 6-26-25 - Along W side of building 170, looking NW	- Transformer	BBK800
164	Building 170	Photo # 6-26-24 - In GAP management office - Looking S	- Packaged hazardous waste, waiting transfer to GAP sites	
164	Building 170	Photo # 6-26-15 - In middle of building - Looking SW	- Packaging foam drums	FWF001

NAS/NADEP ALAMEDA
Spills and Incidents

Parcel	Location	Type of Incident	Date of Incident	Chemicals Involved	Amounts Spilled or Released	Cleanup, If Done	Reference
164	170	- Staining from long-term use	- Over time	- See chemical inventory form for listing, plus occasional oil / hydraulic leak / stains from forklifts	- General staining over the entire warehouse floor, areas of packaging are more heavily stained.		BBK802
164	170	- Spill / leak from foaming compound used in packaging	- Unknown (more than once, recent)	- Urethane foam resin and polymeric isocyanate (which contains diphenylmethane diisocyanate)	- ~ 2 to 5 gal. total over time - Photo 6-26-19	- Unknown — absorbent material is routinely applied	BBK802, BBK833

NAS/NADEP ALAMEDA
Title Search

Parcel	Location	Issues of Concern/Remarks	Transfer Information and date	Reference
164	SE portion of Base	Utilities easement reserved in civil 23109, 1944. Location unknown.	154.60 acres from Louis M. MacDermot in Civil Action # 23109 1944	DB008

NAS/NADEP ALAMEDA
Transformers

Parcel	Location	Transformer#	Size	Date	Applicable PCB's ?	PCB Class	Remarks	Reference
164	Building 170 — Exterior Perimeter	X-233	300 kVA	5/31/94		Unknown	- Serial No: 79-4-12928-1. - MGM Transformer Company (City of Commerce, CA). - Contained in metal housing — not able to tell if dry or PCB containing. - See photo 6-26-25.	BBK802

PARCEL 199

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
199	- In 1947, this parcel is a parking area and it is now vacant. - In 1953-1975, no change. - In 1981, building 612 is present. - In 1985-1993, no change.	Pacific Aerial Surveys			JLR073

NAS/NADEP ALAMEDA
Asbestos

Parcel	Location	Survey?	Asbestos?	Friable?	Location of Asbestos	Remarks	Reference
199	612 / Hose / Cable Storage Test Facility	No	No			- Informal assessment; no supporting evidence.	BBK007

NAS/NADEP ALAMEDA
Building Information

Parcel	Location	Date Constructed	Sq Footage	Type of Construct.	Use	Applicable Date	Remarks	Reference
199	612		4,000		Hose/Cable Storage Test Facility			BBK200

NAS/NADEP ALAMEDA
Building Inspection

Parcel:	Location:	Reference:
199	Building 612	DRK001

Building Description
- Building is used for hose and maintenance storage (photo 7-17-4).
- Outside building – corrugated steel, inside building – concrete floor, wood frame/beams. Bathrooms/showers S/E building.
- Hose testing equipment in center of shop.

Evidence of chemical storage/use and location within building
- 55-gal. drum "lemonize", 10-gal. lemon lift – NE corner of building.
- Paint stained brushes observed in NE corner.

Other Issues
- Drains throughout building for test water overflow.

NAS/NADEP ALAMEDA
Chemical Inventory

Parcel	Location	Chemical Types	Quantities Stored	Uses and Mgmt Practices	Applicable Date	Reference
199	Building 612	- Lemonize – detergent - Lemon-lift – disinfectant	- 55 gal. lemonize - 10 gal. lemon-lift	- No spills noted.	06/03/94	DRK001

NAS/NADEP ALAMEDA
IR

Parcel: 189	***Location:*** East of Seaplane Lagoon	***Reference:*** KMT003
Describe source of contamination, including chemicals. Not available from reference. (Potential contamination migration from IR site)		***Describe Contamination*** Exact boundary of operable unit in unknown. Sampling has not occurred to define boundary.
Describe Status of Investigation/remediation N/A from reference		

NAS/NADEP ALAMEDA
Open Space Survey

Parcel:	Location:	Material Storage No	Outdoor Repair No	Equipment Parking No	Is this open space developed? Yes
196	Exterior area of building 612	Wash Down No	Training No	Disposal No	Other
		Vehicle Parking Yes	Drum Storage No	Recreational No	

Stains	Ground cover	Describe use	Reference:
- None.	- Asphalt	- Area used for vehicle parking. Asphalt parking lot to S and W, to E, asphalt and unpaved area (due to old, decayed asphalt. - To S/E of building is an unidentified 12' pole/pipe with two metal (entry ports?0 to its immediate NW and SW (old sewage lift station?). (photo 7-17-5)	DRK001

Are there drains in the area? Yes *Goes Where* - One storm drain in NW corner.

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
199	Building 612	Photo 7-17-4. - E view.	- View of building.	DRK001
199	Outside space	Photo 7-17-5. - N view, S of building.	- Two hatches and 12' high pipe of unknown function.	DRK001

NAS/NADEP ALAMEDA
Title Search

Parcel	Location	Issues of Concern/Remarks	Transfer Information and date	Reference
199	SE portion of Base	Utilities easement reserved in civil 23109, 1944. Location unknown.	154.60 acres from Louis M. MacDermot in Civil Action # 23109 1944	DB008

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
189	166	EMC317

Utility Type	Description
Storm drains	N side flows to outfall J and I. S side flows to outfalls K and O and P.

Potential for Contamination
Yes. Potentially from building 166.

NAS/NADEP ALAMEDA

Wastewater Report

Parcel:	Location:	Is Industrial Wastewater Generated?	Reference:
199	Building 612	Yes	ORK001

Types of Wastewater	Discharge flow drain line
- Wastewater is generated from test water for hoses. Apparently biodegradable chemicals (see chemical inventory) may occasionally be used in this process.	- There are two large grate drains located in the N/E corner of building, and many small drains run throughout building.

PARCEL 201

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
201	Outside area N of building 166	This area is generally open space adjacent to the N side of building 166. The aerial photo shows this area to be considerably stained, although no apparent activity nor storage is present.	Pacific Aerial Surveys	9/8/70	AV-965-7-2 4	JLR006
201	Outside area N and S of buildings 166 and 167, E of 166	This area is generally open space adjacent to buildings 166 and 167. A few planes are parked on the S side of the two buildings. The aerial photo shows this area to be considerably stained, particularly around and beneath the planes.	Pacific Aerial Surveys	4/20/66	AV-710-8-2 8	JLR007
201	Outside area N and S of buildings 166 and 167, E of 166	This area is generally open space adjacent to buildings 166 and 167. One plane is parked on the S side of building 166. The aerial photo shows this area to be considerably stained, particularly around and beneath the plane. The stained areas appear to be darkest on the N and S sides of both buildings. Staining is more prevalent on this photo than on the 1966 photo.	Pacific Aerial Surveys	7/25/63	AV-550-07- 21	JLR008

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
201	Outside area N and S of buildings 166 and 167, E of 166	This area is generally open space adjacent to buildings 166 and 167. The aerial photo shows this area to be considerably stained, particularly around and beneath missiles that appear to be staged near the buildings. The stained areas appear to be darkest on the N and S sides of both buildings. Staining is more prevalent on this photo than on the 1963 photo.	Pacific Aerial Surveys	3/1/58	SF AREA-2-22	JLR009

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
201	Outside area N and S of buildings 166 and 167, E of 166	This area is generally open space adjacent to buildings 166 and 167. The aerial photo shows this area to be extremely stained, particularly around and beneath missiles that appear to be staged near the buildings. Two small planes also appear on the E side of building 166; the area around and beneath these planes is stained. The stained areas appear to be darkest on the N, S, and E sides of the buildings. Staining is even more prevalent on this photo than on the 1958 photo.	Pacific Aerial Surveys	8/14/53	AVM-1010	JLR010

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel	Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
201	Outside area N and S of buildings 166 and 167, E of 166	This area is generally open space adjacent to buildings 166 and 167. The aerial photo shows this area to be extremely stained, particularly around and beneath missiles that appear to be staged near the buildings. Several planes also appear on the E side of building 166; the area around and beneath these planes is stained. The stained areas appear to be darkest on all sides of the buildings. Staining is even more prevalent on this photo than on the 1953 photo.	Pacific Aerial Surveys	3/24/47	AV-11-08-0 6	JLR011
201		- In 1947, parcel 201 is building 166. There is a parking area to the N. - In 1953-1993, no change.	Pacific Aerial Surveys			JLR073

NAS/NADEP ALAMEDA
Air Quality Permit

Parcel	Location	Emission Source #	Emission Source Type	Period of Use	Fuel/Chemical Use	Reference
201	166				Permits issued for paint spray booths.	BBK014

NAS/NADEP ALAMEDA
Asbestos

Parcel	Location	Survey?	Asbestos?	Friable?	Location of Asbestos	Remarks	Reference
201	Building 166	No		Unknown	- Fabric covering on steam pipes may contain asbestos.	- Presence or absence of asbestos is unknown.	ASC3001
201	166 / Shipboard A/C Support Equipment	No	Yes	Unknown		- Visual inspection only.	BBK006

NAS/NADEP ALAMEDA
Asbestos Removal/Renovation

Parcel	Location	Renovation/ Removal?	Date Done	Description	Reference
201	Building 166	Yes		- Insulation on piping wrapped and/or transite encapsulated. - Date done is unknown.	BBK011

NAS/NADEP ALAMEDA
Building Information

Parcel	Location	Date Constructed	Sq Footage	Type of Construct.	Use	Applicable Date	Remarks	Reference
201	166	1946	55,471	concrete floor, steel frame with hardboard siding, stucco walls, tar/gravel built-up roof	Manufacture and repair vans, Shipbd aircraft supp. equipment		Building used for work on vans, air-launch retrieval systems. A machine shop is located in the building. Carbon dioxide extinguishing system is set up for each van.	DB003, DB004, DB020
201	166				engine build-up	1/66		EMC257

NAS/NADEP ALAMEDA
Building Inspection

Parcel:	Location:	Reference:
201	Building 166	ASC3001

Building Description
- Steel frame building, concrete floor, wooden siding. S half of building is used for industrial machining operations — drilling, milling, grinding, lathing
- N half is used by Navy AIMD. From appearance of the doors on the N and S sides, building was formerly aircraft hangar

Evidence of chemical storage/use and location within building
- Machining operations in S half of building use lubricants and solvents
- Flammable and combustible materials storage cabinet throughout building

Other Issues
- NW corner, outside of building, dust collecting apparatus indicates usage of lead

Parcel:	Location:	Reference:
201	Building 166 — N half	ASC3001

Building Description
- N half of building 166 is used for maintenance and repaired ground support equipment. Two paint booths are located on the W wall between the second and fifth columns from the NW corner.
- A sandblasting machine is located on the W wall between the first and second columns from the NW corner. Second sandblasting machine located on N wall, center of building
- Hydraulic lift on N wall, W of the centerline of building

Evidence of chemical storage/use and location within building
-Lubricants, solvents, paints are throughout the area

Other Issues
- Sandblasting produces dust which contains lead and cadmium

NAS/NADEP ALAMEDA
Building Inspection

Parcel:	Location:	Reference:
201	Building 166 — roof	ASC3001

Building Description	Evidence of chemical storage/use and location within building
- Tar and gravel roof in fair condition. Appears old and in need of repair	

Other Issues

Parcel:	Location:	Reference:
201	Building 166 — S half	ASC3001

Building Description	Evidence of chemical storage/use and location within building
- S half of building is used for machining operations	- Drums of lubricants, combustible storage cabinets

Other Issues

Parcel:	Location:	Reference:
201	Building 166 — second floor	ASC3001

Building Description	Evidence of chemical storage/use and location within building
- Offices on second floor on E side, generally vacant except when ship comes in. Washer and dryer room — third door N of S stairwell. - Coveralls washed on daily basis	

Other Issues

NAS/NADEP ALAMEDA
Chemical Inventory

Parcel	Location	Chemical Types	Quantities Stored	Uses and Mgmt Practices	Applicable Date	Reference
201	N of Building 166	1. Corrosives 2. Flammables 3. Metals (cadmium) 4. Gases (oxygen, nitrogen) 5. Hydraulic fluid	1. Forty 55-gal. empty drums 2. Unknown quantities 3. Unknown quantities 4. Twenty empty oxygen tanks, twenty empty nitrogen tanks 5. Ten 55-gal. empty drums	- Storage of empty drums of corrosives and hydraulic fluid to the N of building 166. Minor areas of spillage around empty corrosive drums. - Directly NE of building 166 is a twenty ft. by thirty ft. building called the "clean room" – a warning sign states that respirators are required — cadmium inside, unknown amounts (photo 7-13-28) - NW of building 166 were three locked metal storage lockers: Two contained flammables, one contained corrosives	5/24/94	DRK001
201	Building 166 — N half	1. Nonhalogenated organic 2. Nonhalogenated organic 3. Nonhalogenated organic 4. Nonhalogenated organic	1. 5-gal. 2. 60-gal. 3. 170-gal. 4. 5-gal.	1. Stored in 3 flammable materials storage lockers on W wall between first and second columns from NW corner (paints) 2. Stored in 3 flammable materials storage lockers on N wall, just E of centerline (paints) 3. Oil and grease stored on mobile wheeled cart 4. Paint stored in room under N stairwell	6/6/94	ASC3001

NAS/NADEP ALAMEDA
Chemical Inventory

Parcel	Location	Chemical Types	Quantities Stored	Uses and Mgmt Practices	Applicable Date	Reference
201	Building 166 — S half	1. Nonhalogenated organics 2. Halogenated organics 3. Nonhalogenated organics	1. 20-gal. 2. 10-gal. 3. 150-gal.	1. Lubricants and solvents stored in two combustible storage lockers on E side of building. Materials used throughout shop in machining of metal 2. Solvent — PCE stored in metal cans on S wall of building. 50 ft. from E wall. TCA stored in metal cans on work bench 20 ft. from S wall, 70 ft. from E wall 3. Lubricants stored in metal drums, horizontally, 60 ft. from S wall, 70 ft. from E wall	6/6/94	ASC3001
201	166	Paint, petroleum products, non-halogenated organics, metal	200 gal.			EMC001

NAS/NADEP ALAMEDA
Hazardous Waste

Parcel	Location(s)	Hazardous Waste?	Type/Quantity	Description	Applicable Dates	Reference
201	N of Building 166	Yes	- Satellite hazardous waste storage area - In two large white metal lockers: Oils and hydrocarbon based degreasers (PD-680) stored here, less than 55-gal.; and empty oil cans	- No staining noted around the shed	5/24/94	DRK001
201	Building 166 — N half	Yes	- Two 55-gal. drums with lead and cadmium contaminated sandblast grit.	- Stored in 55-gal. drums on site. Someone else hauls it away.	6/6/94	ASC3001
201	Building 166 — S half	Yes	- Rags contaminated with solvents and lubricants	- Stored in grounded metal drum 20 ft. from S wall of building on centerline of building	6/6/94	ASC3001
201	166	Yes	Petroleum products, non-halogenated organics, paint / 11,000 gal.		2/24/93	EMC204, EMC006
201	199	Yes	Paint, organics, petroleum products	90 day storage limit; no record of releases, spills visible, start-up prior to 1987.	7/24/93	EMC002

NAS/NADEP ALAMEDA
Historical

Parcel	Location(s)	Subject(Historical building, Indian ruins,etc.)	Remarks	Reference
201	Area east of Pier 1	Fill material	This area was filled with material taken from the channel and turning basin associated with the construction of Pier 3. Fill material potentially contaminated.	EMC217
201	East of Pier 2	Fill material	Fill from channel and turning basin was used to construct more land. Fill material potentially contaminated.	EMC217

NAS/NADEP ALAMEDA
Interview

Parcel	Location(s)	Name of Interviewee	Information	Reference
201	NADEP Building 166	Elizabeth Berman 263-7179	No lead paint used or disposed at NADEP since lead paint was prohibited No lead remediation or abatement at NADEP No lead testing at NADEP	EMC221, EMC224
201	Aircraft parking/preserving	Phillip Vercelli NADEP employee from 1945-1982 Worked with Production Engineering Group during his last 12-13 years.	Aircraft were preserved and parked in this area. The engines were run periodically. There were fuel/oil spills associated with connecting and disconnecting the engines.	DB021

NAS/NADEP ALAMEDA
IR

Parcel:	Location:	Reference:
201	East of Seaplane Lagoon	KMT002

Describe source of contamination, including chemicals.	Describe Contamination
Not available from reference. (Potential contamination migration from IR site)	Part or all of parcel is in a ground water operable unit.

Describe Status of Investigation/remediation
N/A from reference

Parcel:	Location:	Reference:
201	East of Seaplane Lagoon	KMT003

Describe source of contamination, including chemicals.	Describe Contamination
Not available from reference. (Potential contamination migration from IR site)	Exact boundary of operable unit in unknown. Sampling has not occurred to define boundary.

Describe Status of Investigation/remediation
N/A from reference

NAS/NADEP ALAMEDA
Miscellaneous Information

Parcel	Location	Subject	Remarks	Reference
201	Outside space, fenced off area N of building 166	A large 5 ft. by 8 ft. by 6 ft. deep utility vault (photo 7-13-28) was noted in the center of the area.	- The bottom was littered with debris and mud, possibly with oily muck. It is unclear what function this served, it possibly could have been a grease trap.	DRK001

NAS/NADEP ALAMEDA
Oil/Water Separator

Parcel	Location(s)	Detailed Location	Applicable Date(s)	Description	Reference
201	Outside space, fenced off area N of building 166	- Fenced-off area, N of building 166. Oil / water separator grate located in E of area; oil / water chambers in center of area (see photo 7-13-26)	- 5/24/94	- A washdown area with a grate is located in the E of this area - This is piped into two oil / water separation chambers which are then pumped into the sewer. - Also, storm drain was noted in the N portion of this area but was covered by equipment and it was unclear if any oil / water separation chambers were associated with it	DRK001

NAS/NADEP ALAMEDA
Open Space Survey

Parcel:	Location:	Material Storage	Yes	Outdoor Repair	No	Equipment Parking	Yes	Is this open space developed?	Yes
201	Exterior area - N of building 166	Wash Down	Yes	Training	No	Disposal	No	Other	
		Vehicle Parking	Yes	Drum Storage	Yes	Recreational	No		

Stains	Ground cover	Describe use	Reference:
- Numerous stains on concrete in fenced area and in N of fenced area. Moderate staining apparently associated with industrial activities throughout this area.	- Concrete 80 percent, asphalt 20 percent.	Directly N of building 166 is a large fenced-off area containing these items: - An equipment storage area, drum storage area, chemical storage area, wash down area, sanding area (a vehicle parking area is directly N of the fenced area). - There is a possible oil-water separator NE of building 166. - Sanding of equipment occurs N of building 166. - A large vault with six metal covers of unknown function is N of building 166.	DRK001

Are there drains in the area? Yes ***Goes Where*** - Wash down drains to an oil/water separator NE of building 166, and a covered storm drain (possilby an oil/water separator) underneath miscellaneous crates and equipment.

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
201	Open space	Photo # 7-13-26 - E view, N of building 166	- View of oil / water separator	DRK001
201	Open space	Photo # 7-13-27 - NE view, N of building 166	- Grease trap/utility vault	DRK001
201	Open space	Photo # 7-13-28 - SW view, N of building 166	- View of "clean room"	DRK001
201	Building 162	Photo # 1-24-6 - NW wall of building	- Sandblasting booth	AC001
201	Building 166	Photo # 1-30-24 - SE corner - Facing N (S side)	- 460-120/208 150KvA oil-filled transformer	AC001
201	Building 166	Photo # 1-31-1 - SE corner (S side) - Facing N	- 4160/2400-480 500 KvA - 299 gal.	AC001
201	Building 162	Photo # 1-24-4 - Steam room, first floor, E side of building, third door N of stairwell	- Floor drain with etched concree - Facing E 2 ft. by 1 ft. area	ASC3001
201	Building 162	Photo # 1-24-7 - NW wall of building	- N of 2 paint booths	ASC3001
201	Building 162	Photo # 1-24-8 - NW wall of building	- S of 2 paint booths	ASC3001

NAS/NADEP ALAMEDA
Spills and Incidents

Parcel	Location	Type of Incident	Date of Incident	Chemicals Involved	Amounts Spilled or Released	Cleanup, If Done	Reference
201	N of Building 166	- Stains	- Unknown	- Oil - Possible corrosives	- Miscellaneous dark oil stains in N area of building 166 over approximately ten percent of the total area - Possible corrosive staining around empty drums (two ft. by three ft.)	- No cleanup performed	DRK001
201	Building 166 — Boiler room E wall, third door N of stairwell	- Stain/etching of concrete floor	- On going	- Hot water, possibly boiler additives	- 2 ft. by 1 ft., area is etched, floor generally dirty	- None	ASC3001
201	Building 166 — N half	- General staining over 50 percent of floor	- On going	- Paints, lubricants, general dirt	- Unknown	- None	ASC3001
201	Building 166 — S half	- General staining	- On going	- Possibly lubricants, solvents and cutting fluids	- 40 to 60 percent of the concrete floor on the S half of the building is stained black probably with oil, lubricants and dirt	- No clean up	ASC3001

NAS/NADEP ALAMEDA
Title Search

Parcel	Location	Issues of Concern/Remarks	Transfer information and date	Reference
201	SE portion of Base	Utilities easement reserved in civil 23109, 1944. Location unknown.	154.60 acres from Louis M. MacDermot in Civil Action # 23109 1944	DB008

NAS/NADEP ALAMEDA
Transformers

Parcel	Location	Transformer#	Size	Date Applicable	PCB's ?	PCB Class	Remarks	Reference
201	Building 166 — transformer room and outdoor	Unknown	See below	6/10/94		Unknown	- Oil-filled transformer and possible switch 5kV—150kVA, 112-gal. inside (photo 1-30-24) - Oil-filled outdoor transformer — 500kVA, 51kV-480V, 299-gal. outside (photo 1-31-1). - Presence or absence of PCBs is unknown.	ASC100
201	166	1911891	Unknown	9/30/87	Yes	Unknown	NE vault. Removed / stored - 8/2/87.	EMC263
201	166	1911897	200 KVA	10/21/88	Yes	> 50 ppm	Located in NE vault. 222 gal.	EMC263

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
201	Fuel lines that run along interface between hangars and facility bldgs of NADEP	BBK009

Utility Type	Description
Aviation gas lines; now abandoned.	

Potential for Contamination
- When abandoned, lines were drained and filled with water. Breaks have occurred along pipeline.

Parcel:	Location:	Reference:
201	167	EMC308

Utility Type	Description
Sanitary sewers	Lines flow NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from building 167.

Parcel:	Location:	Reference:
201	166	EMC308

Utility Type	Description
Sanitary sewers	Lines flow NW to main pump N of parcel 022.

Potential for Contamination
Yes. Potentially from building 166.

Parcel:	Location:	Reference:
201	Area 37	EMC308

Utility Type	Description
Sanitary sewers	Lines flow NW to main pump N of parcel 022.

NAS/NADEP ALAMEDA
Utilities Report

Potential for Contamination Yes. Potentially from area 37.

Parcel:	***Location:***	***Reference:***
201	Natural Gas System	BBK001

Utility Type	***Description***
Natural gas.	Supplied by PG&E through 2 mains.

Potential for Contamination
Several underground leaks have occurred with Class II and Class III lines.

Parcel:	***Location:***	***Reference:***
201	Natural Gas System	BBK001

Utility Type	***Description***
Natural gas.	Supplied by PG&E through 2 mains.

Potential for Contamination
Several underground leaks have occurred with Class II and Class III lines.

Parcel:	***Location:***	***Reference:***
201	166	EMC316

Utility Type	***Description***
Industrial sewer	Flows NW to parcel 061 where it joins the sanitary sewer line to East Bay Municipal Utilities District (EBMUD).

Potential for Contamination
Yes. Potentially from building 166.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
201	167	EMC316

Utility Type	Description
Industrial sewer	Flows NW to parcel 61 where it joins the sanitary sewer line to East Bay Municipal Utilities District (EBMUD).

Potential for Contamination
Yes. Potentially from building 167.

Parcel:	Location:	Reference:
201	168	EMC317

Utility Type	Description
Storm drains	E side flows to outfall I. W side flows to outfalls I and J.

Potential for Contamination
Yes. Potentially from building 168.

Parcel:	Location:	Reference:
201	169	EMC317

Utility Type	Description
Storm drains	W side flows to outfalls J and I. E side flows to outfall J.

Potential for Contamination
Yes. Potentially from building 169.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
201	166	EMC317

Utility Type	Description
Storm drains	N side flows to outfall J and I. S side flows to outfalls K and O and P.

Potential for Contamination
Yes. Potentially from building 166.

Parcel:	Location:	Reference:
201	530	EMC317

Utility Type	Description
Storm drains	Flows to outfalls P and J.

Potential for Contamination
Yes. Potentially from building 530.

Parcel:	Location:	Reference:
201	338	EMC317

Utility Type	Description
Storm drains	S side flows to outfall Q. N side flows to outfall P.

Potential for Contamination
Yes. Potentially from building 338.

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
201	SG	EMC317

Utility Type	Description
Storm drains	Flows to outfalls J and P.

Potential for Contamination
Yes. Potentially from building SG.

Parcel:	Location:	Reference:
201	410	EMC317

Utility Type	Description
Storm drains	Flows to outfall J.

Potential for Contamination
Yes. Potentially from building 410.

Parcel:	Location:	Reference:
201	588	EMC317

Utility Type	Description
Storm drains	Flows to outfall J.

Potential for Contamination
Yes. Potentially from building 588.

Parcel:	Location:	Reference:
201	460A	EMC317

Utility Type	Description
Storm drains	Flows to outfall P. Flows to outfall J.

NAS/NADEP ALAMEDA
Utilities Report

Potential for Contamination Yes. Potentially from building 460A.

Parcel: 201	***Location:*** 620	***Reference:*** EMC317
Utility Type Storm drains		***Description*** Flows to outfall P.
Potential for Contamination Yes. Potentially from building 620.		

Parcel: 201	***Location:*** 619	***Reference:*** EMC317
Utility Type Storm drains		***Description*** Flows to outfall P.
Potential for Contamination Yes. Potentially from building 619.		

Parcel: 201	***Location:*** 618	***Reference:*** EMC317
Utility Type Storm drains		***Description*** Flows to outfall P and J.
Potential for Contamination Yes. Potentially from building 618.		

NAS/NADEP ALAMEDA
Utilities Report

Parcel:	Location:	Reference:
201	529	EMCd17
Utility Type Storm drains		***Description*** Flows to outfall P, and J
Potential for Contamination Yes. Potentially from building 529.		

NAS/NADEP ALAMEDA

Wastewater Report

Parcel:	Location:	Is Industrial Wastewater Generated?	Reference:
201	Building 166 --- Boiler room E wall, third door N of stairwell	Yes	ASC3001

Types of Wastewater	Discharge flow drain line
- Boiler overflow goes to floor drain.	- Destination of floor drain unknown.

PARCEL 202

NAS/NADEP ALAMEDA
Aerial Photo Review-Onsite

Parcel Location	Objects and Description	Photo Source	Photo date	Photo #	Reference
202	- In 1947, parcel 202 is a parking area and is now vacant. - In 1953-1975, area is stained and left vacant. - In 1981, building 584 is present. - In 1985-1993, no change.	Pacific Aerial Surveys			JLR073

NAS/NADEP ALAMEDA
Air Quality Permit

Parcel	Location	Emission Source #	Emission Source Type	Period of Use	Fuel/Chemical Use	Reference
202	584				Permits issued for boilers, fuel storage tanks (underground).	BBK014

NAS/NADEP ALAMEDA
Asbestos

Parcel	Location	Survey?	Asbestos?	Friable?	Location of Asbestos	Remarks	Reference
202	584 / Air and Steam Plant (ships)	Yes	Yes	yes	- Thermal system insulation, gasket, roofing tar; both friable and non-friable.		BBK004

NAS/NADEP ALAMEDA
Building Information

Parcel	Location	Date Constructed	Sq Footage	Type of Construct.	Use	Applicable Date	Remarks	Reference
202	584		7,315		Air and Steam Plant			BBK200

NAS/NADEP ALAMEDA
Building Inspection

Parcel: 202	Location: Building 584	Reference: D025
Building Description - Construction: Painted concrete and unpainted concrete floor, concrete walls, corrugated metal ceiling (photo 3-16-1) - Use: Air and steam plant, supplies compressed air and steam to the piers as well as sectors of the base		**Evidence of chemical storage/use and location within building** - Boiler treatment chemicals - Lab area for testing water - Chemicals stored in flammables cabinet
Other Issues		

Parcel: 202	Location: Building 584 — storage yard	Reference: D026
Building Description - Construction: Asphalt floor, no ceiling, surrounded by chain-link fence, adjacent to S side of building - Use: Chemical and hazardous waste storage, location of boiler plant "economizers" (pre-heater)		**Evidence of chemical storage/use and location within building** - Chemicals storage - Hazardous waste storage - Releases/spills/staining
Other Issues		

NAS/NADEP ALAMEDA
Chemical Inventory

Parcel	Location	Chemical Types	Quantities Stored	Uses and Mgmt Practices	Applicable Date	Reference
202	Building 584	- Corrosives (caustic soda, sodium sulfite); lubricating oils; potassium nitrates and assorted water treatment chemicals	- 140-gal.; first floor three 55-gal. drums; water treatment 75-gal.	- Oils are stored both inside and outside. Outside the drums are surrounded by sand bags. Also, they are directly adjacent to a drain. See second chemical inventory form - On first floor there are three flammable/chemical storage cabinets. Two are against S wall. Contains assorted solvents and chemicals to analyze the sea water that is used in the steam process	6/3/94	D026
202	Building 584 — storage yard	1. Corrosives 2. Lube oil 3. Latex paint 4. Aerosol paint cans	1. 300-gal. 2. 1,100-gal. 3. 4-gal. 4. < 5-gal.	- Storage outside. The chemicals are surrounded by sandbags. Adjacent to the corrosives are twenty 55-gal. drums of lube oil. A drain is directly in front of oil drums. The sandbags are the only berm preventing potential spillage into drain (photos 3-16-12, 3-16-13). - Large metal 6 ft. by 12 ft. by 7 ft. flammables storage locker at NW corner of building (outside). - Inside flammable locker contains latex paint and aerosols.	6/3/94	D026
202	584	Corrosives	500 gal.	Chemical treatment for steam plants.	2/24/94	EMC017

NAS/NADEP ALAMEDA
Hazardous Waste

Parcel	Location(s)	Hazardous Waste?	Type/Quantity	Description	Applicable Dates	Reference
202	Building 584 — storage yard	Yes	- Waste oil from machines in plant, 110-gal.	- Drums stored on asphalt in an area surrounded by sandbags - Waste stored next to new drums of oil	6/3/94	D026
202	584	Yes	PETROLEUM PROD			DB016

NAS/NADEP ALAMEDA
Interview

Parcel	Location(s)	Name of Interviewee	Information	Reference
202	Bldg. 584	- Randy Cate, Environmental Coordinator (510) 263-3716 Bldg. 1 4.5 yrs. at NADEP, 8.5 yrs. at NAS Alameda, manages Env. Compliance Prog.	- Historically, PCB-containing fluid was sprayed on the perimeter road for weed control. - A diesel tank leaked at the building.	D036

NAS/NADEP ALAMEDA
IR

Parcel:	Location:	Reference:
202	East of Seaplane Lagoon	KMT003

Describe source of contamination, including chemicals.	Describe Contamination
Not available from reference. (Potential contamination migration from IR site)	Exact boundary of operable unit in unknown. Sampling has not occurred to define boundary.

Describe Status of Investigation/remediation
N/A from reference

NAS/NADEP ALAMEDA
Miscellaneous Information

Parcel	Location	Subject	Remarks	Reference
202	Pier 3, Avenue N & 9th Street	Railroad tracks	Pier 3 has 6 tracks - 3 N side, 3 S side and one crossover track. Four tracks turn NE at the E end of the Pier and end in parcel 160 just W of building 447. One of the pier 3 S side tracks turns NE at the E side of pier 3, cuts the NW corner of parcel 161 and crosses parcel 198 to meet another pier 3 track along the S side of Avenue N. One of the pier 3 N side tracks runs E along the S side of Avenue N along the parcel line touching parcels 160, 198, 163, 159, 160, 150. At the SW corner of parcel 150 this track turns NE brushing the E side of parcel 202 and then turning N to Avenue M and 9th Street. As this track travels along 9th Street a short branch leaves toward the NE and ends on the N side of Avenue L, S of building 164. At this branch the 9th Street track splits into two and the two tracks travel N along both sides of the street and junctions in parcel 134 exactly S of 97D and 97E. There is no cross over track that crosses 9th Street in parcel 134 between parcels 164 and 142.	EMC256

NAS/NADEP ALAMEDA
Open Space Survey

Parcel:	Location:	Material Storage	Yes	Outdoor Repair	No	Equipment Parking	No	Is this open space developed?	Yes
202	Area around building 584	Wash Down	No	Training	No	Disposal	No	Other	Railroad tracks on E and S side of parcel
		Vehicle Parking	Yes	Drum Storage	No	Recreational	No		

Stains	Ground cover	Describe use	Reference:
	- Asphalt, gravel	- Asphalt is very poor condition - Storage of junk — wood pallets, pipe large metal "parts" - Ponding of water from roof down spout, moss growing in this area, on N side of building - Industrial waste water tank present on W side of building - Yard with evaporators on W side of parcel, yard is surrounded by a chain-link fence and covered with dirt/gravel	D026

Are there drains in the area? Yes **Goes Where** - Storm drain present on NW portion of parcel, white stain trail leading to drain (3-16-16)
- Drain present in secondary containment area of industrial waste water tank, drain appears to be sealed as water is ponded on top of it.

Parcel:	Location:	Material Storage	Yes	Outdoor Repair	No	Equipment Parking	No	Is this open space developed?	Yes
202	Area around building 584	Wash Down	No	Training	No	Disposal	No	Other	Railroad tracks on E and S side of parcel
		Vehicle Parking	Yes	Drum Storage	No	Recreational	No		

Stains	Ground cover	Describe use	Reference:
	- Asphalt, gravel	- Asphalt is very poor condition - Storage of junk — wood pallets, pipe large metal "parts" - Ponding of water from roof down spout, moss growing in this area, on N side of building - Industrial waste water tank present on W side of building - Yard with evaporators on W side of parcel, yard is surrounded by a chain-link fence and covered with dirt/gravel	D026

NAS/NADEP ALAMEDA
Open Space Survey

Are there drains in the area? Yes ***Goes Where*** - Storm drain present on NW portion of parcel, white stain trail leading to drain (3-16-16)
- Drain present in secondary containment area of industrial waste water tank, drain appears to be sealed as water is ponded on top of it.

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
202	584	Photo # 3-16-14 - Against S wall, outside - Facing N - Next to hazardous waste area	- Stain from oil	RWB001
202	584	Photo # 3-16-1 - Front of 584 - Facing E	- Front of 584	RWB001
202	584	Photo # 3-16-10 - Second floor on W side of boiler #2 (middle boiler) facing E	- Evidence of release. Kitty litter or absorbent	RWB001
202	584	Photo # 3-16-11 - Second floor — against W wall, facing S	- Illustration of leaks from equipment	RWB001
202	584	Photo # 3-16-12 - S wall of building where corrosives such as lube oil and waste oil are stored, facing N	- Illustration of chemical and waste storage areas	RWB001
202	584	Photo # 3-16-13 - Inside sandbag area; behind S exterior wall. Facing N	- Leak/stain from oil	RWB001
202	584	Photo # 3-16-15 - Industrial waste tank - W exterior of building - Facing E	- Photo of tank	RWB001
202	584	Photo # 3-16-16 - NE corner of building - Facing S	- Storm drain in open space at NE corner of building	RWB001
202	584	Photo # 3-16-2 - The floor on first floor of building SE corner, facing W	- Illustrates corrosion on floor, over time	RWB001
202	584	Photo # 3-16-3 - First floor, W wall - Photo facing W	- Lube oil drippings (release) from equipment, see spills/incident form. - Photo includes drain	RWB001
202	584	Photo # 3-16-4 - NW corner of first floor - Photo facing N	- Lube oil leaking into drain	RWB001

NAS/NADEP ALAMEDA
Photo Log

Parcel	Location	Detailed Location and Description	Object Photographed	Reference
202	584	Photo # 3-16-5 - NW corner of first floor - Photo facing W	- Corrosion: Illustrative of conditions throughout floor area of building	RWB001
202	584	Photo # 3-16-6 - Middle portion of first floor next to 20 ft. tanks. Facing W	- Illustrates rusting of tanks and pipe water flowing into drain	RWB001
202	584	Photo # 3-16-7 - Center middle area of first floor, against interior wall, facing W	- Top of a UST used for wastewater. See underground storage tank form.	RWB001
202	584	Photo # 3-16-8 - Middle third of first floor, facing E	- Rust on floor caused by leaky pipes	RWB001
202	584	Photo # 3-16-9 - Photo of area where sea water is treated so that is may be used in steam process. W wall, NW corner, facing W	- Illustration of corroded pipes and concrete foundation	RWB001

NAS/NADEP ALAMEDA
RFA

Parcel: 202	Location: 684	Reference: DB024
Describe source of contamination, including chemicals. The diesel spill site has been added to the RCRCA Corrective Action program.		***Describe Contamination*** Soil and/or groundwater contamination: unknown from reference.
Describe Status of Investigation/remediation		

NAS/NADEP ALAMEDA
Spills and Incidents

Parcel	Location	Type of Incident	Date of Incident	Chemicals Involved	Amounts Spilled or Released	Cleanup, If Done	Reference
202	Area around building 584	- Staining	- Unknown	- Vehicle oil/fluids	- Small stains, ~ 3 in. to 12 in. in diameter, in vehicle parking area	- Unknown	D026

NAS/NADEP ALAMEDA
Spills and Incidents

Parcel	Location	Type of Incident	Date of Incident	Chemicals Involved	Amounts Spilled or Released	Cleanup, If Done	Reference
202	Building 584	- Leaks, stains	- Unknown	- Probably machine oil, boiler treatment chemicals	- Oil seeping from base of machine in NW portion of building, ~ 6 ft. by 2 ft. (photo 3-16-3) - White crystalline stains on floor beneath same equipment (photo 3-16-5), over ~ 10 percent of floor - General mottling of floor, apparently from corrosion (photo 3-16-2), over ~ 95 percent of floor - Corrosion on the metal bases of same holding tanks (photo 3-16-6) - Lines near dealkalizer tanks leaking water and pipes near these tanks are discharging water into floor drains - Rusty stain on floor beneath piping on E side of building (photo 3-16-8), stain is adjacent to a drum of caustic soda, stain is ~ 5 ft. by 5 ft. - Equipment storage area on E side of building, equipment coated with dark, oil-like stains - Heavy staining of white crystalline material around main boiler chemical storage area (photo 3-16-9) - ~ 4 ft. by 3 ft. area of floor covered with absorbent material, second level of building near boiler #2 (photo		D026

NAS/NADEP ALAMEDA
Spills and Incidents

Parcel	Location	Type of Incident	Date of Incident	Chemicals Involved	Amounts Spilled or Released	Cleanup, If Done	Reference
202	Building 584 — storage yard	- Spill	- Unknown	- Oil	- Absorbent material covering dark stain inside oil storage berm (3-16-13), size is ~ 2 ft. by 3 ft. - Dark stain, ~ 2 ft. by 2 ft. present in storage yard, over ~ 10 percent of the area (3-16-14)	- Unknown	D026
202	Bldg. 584 (soil and water in ditch)	Storage tank overfill (Report No. 121649)		Diesel Oil	Unknown	Vacuum truck and pads used.	BBK002
202	Bldg. 584	During tank removal, leak detected (Report No. 92-4619)	6/11/92	Diesel	250 gallons	None specified - Manhole was not pumped, provisional ID# was not used.	BBK002
202	Bldg. 584	spill	6/11/92	diesel	250 gallon	pads and vacuum truck. 10 cubic yards of soil removed.	DB018
202	SE corner of Facility 584	Diesel spill	N/A from reference	Diesel	N/A from reference	N/A from reference	KMT002

NAS/NADEP ALAMEDA
Underground Storage Tanks

Parcel	Location	Storage Tank Size (Gallons)	Date Applicable	Type of Tank	Materials Stored	Remarks	Reference
202	Building 584	Unknown	6/3/94	Unknown	Water, chemicals, oil	- Underground storage tank may be present in plant to collect runoff from floor drains, this runoff contains water as well as chemicals and oil spilled on the floor (photo 3-16-7).	D026
202	584	Unknown	Unknown	Unknown	Fuel	- Air Quality permit issued for underground fuel storage tanks and boilers.	BBK014

NAS/NADEP ALAMEDA
Storm Water

Parcel	Location	Stormwater Discharge Points	Drainage Area and Sampling	Reference
202	Area around building 584		- Storm drain on NW portion of parcel - White stain trail leading to drain (photo 3-16-16)	D026
202	Building 584 — storage yard		- 2 drains present in storage yard, one is located immediately S of sandbag berm for chemical storage area (photo 3-16-12) - In the plant office, a memo taped to the wall indicated procedures in case of a spill in the storage yard: personnel are supposed to place mats over the drains and then set sandbags on top of the mats; this is to seal the drains and prevent chemicals from getting into the storm drain	D026

NAS/NADEP ALAMEDA
Title Search

Parcel	Location	Issues of Concern/Remarks	Transfer Information and date	Reference
202	SE portion of Base	Utilities easement reserved in civil 23109, 1944. Location unknown.	154.60 acres from Louis M. MacDermot in Civil Action # 23109 1944	DB008

NAS/NADEP ALAMEDA
Transformers

Parcel	Location	Transformer#	Size	Date	Applicable	PCB's ?	PCB Class	Remarks	Reference
202	Area around building 584	Unknown	Unknown	6/3/94			Unknown	- Located outside at NW corner. Transformer is locked inside at gate. Unable to enter. - Presence or absence of PCBs is unknown.	D026
202	584	PAV290701	2500 KVA	10/30/86,	9/30/87	Yes	> 50 ppm	Located W side. 110 gal.	EMC263

NAS/NADEP ALAMEDA
Wastewater Report

Parcel:	Location:	Is Industrial Wastewater Generated? Yes	Reference:
202	Area around building 584		D026

Types of Wastewater
- Industrial wastewater tank present in secondary. containment berm on W side exterior of building (photo 3-16-15).
- Tank holds wastewater from building 584.
- Berm in concrete and area around tank is covered with gravel.
- Drain in wastewater tank secondary containment appears to be sealed as water is ponded on top of it.
- Drains in plant (building 584) collect may runoff from floor drains and transfer it to tank. Runoff contains water, water treatment chemicals and machine oils.

Discharge flow drain line

Parcel:	Location:	Is Industrial Wastewater Generated?	Reference:
202	Building 584		D026

Types of Wastewater
- Sink present in water testing lab area, observed plant personnel rinsing labware in sink.
- Possible contamination of lines due to lab test chemicals.

Discharge flow drain line
- Unknown

Parcel:	Location:	Is Industrial Wastewater Generated? Yes	Reference:
202	Building 584		D026

Types of Wastewater
- Lube oil which is leaking from equipment on first floor, near W wall, may leak into an adjacent drain.
- Also, in NW corner, a drum containing lube oil may be leaking into a nearby drain. See photo 3-16-4.

Discharge flow drain line
- Unknown

- See photo 3-16-3. - See photo 3-16-6 for drain receiving rusty water.	

APPENDIX F

REPORTING LIMIT/SCREENING CRITERIA COMPARISON TABLES

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F-5 Soil Samples With Reporting Limits Exceeding PRGs: Dioxins and Furans

F-6 Soil Gas Samples With Reporting Limits Exceeding Screening Criteria: Volatile Organic Compounds

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Table F-1
Groundwater Samples With Reporting Limits Exceeding MCLs: Volatile Organic Compounds

EBS Parcel	Sample ID	Top Depth (feet)	Bottom Depth (feet)	Analyte	Reporting Limit (µg/L)	Federal MCL (µg/L)	California MCL (µg/L)
150B	150-0029	8	9	1,2,4-trichlorobenzene	10	70	5
150B	150-0029	8	9	1,4-dichlorobenzene	10	75	5

Acronyms/Abbreviations:
EBS – environmental baseline survey
µg/L – micrograms per liter
MCL – maximum contaminant level

Table F-2
Groundwater Samples With Reporting Limits Exceeding MCLs: Semivolatile Organic Compounds

EBS Parcel	Sample ID	Top Depth (feet)	Bottom Depth (feet)	Analyte	Reporting Limit (µg/L)	Federal MCL (µg/L)	California MCL (µg/L)
150B	150-0029	8	9	benzo(a)pyrene	10	0.2	0.2
150B	150-0029	8	9	bis(2-ethylhexyl)phthalate	10	6	4
150B	150-0029	8	9	hexachlorobenzene	10	1	1
150B	150-0029	8	9	pentachlorophenol	25	1	1

Acronyms/Abbreviations:
EBS – environmental baseline survey
µg/L – micrograms per liter
MCL – maximum contaminant level

Table F-3
Soil Samples With Reporting Limits Exceeding PRGs: Semivolatile Organic Compounds

EBS Parcel	Sample ID	Top Depth (feet)	Bottom Depth (feet)	Analyte	Reporting Limit (µg/kg)	Soil Federal Residential PRG (µg/kg)	Soil California Modified Residential PRG (µg/kg)
140	140M-002	5.5	6	bis(2-chloroethyl)ether	380	220	—
140	140M-002	5.5	6	hexachlorobenzene	380	300	—
140	140M-002	5.5	6	N-nitroso-di-n-propylamine	380	69	—
141	141-0001	2	2.5	bis(2-chloroethyl)ether	360	220	—
141	141-0001	2	2.5	hexachlorobenzene	360	300	—
141	141-0001	2	2.5	N-nitroso-di-n-propylamine	360	69	—
150	202M-001	5.1	5.7	bis(2-chloroethyl)ether	370	220	—
150	202M-001	5.1	5.7	hexachlorobenzene	370	300	—
150	202M-001	5.1	5.7	N-nitroso-di-n-propylamine	370	69	—
150B	150M-001	4.5	5	bis(2-chloroethyl)ether	360	220	—
150B	150M-001	4.5	5	hexachlorobenzene	360	300	—
150B	150M-001	4.5	5	N-nitroso-di-n-propylamine	360	69	—
150B	150-0016M	0.5	1	3,3′-dichlorobenzidine	1,800	1,100	—
150B	150-0016M	0.5	1	benzidine	350	2.1	—
150B	150-0016M	0.5	1	bis(2-chloroethyl)ether	350	220	—
150B	150-0016M	0.5	1	hexachlorobenzene	350	300	—
150B	150-0016M	0.5	1	N-nitrosodimethylamine	350	9.5	—
150B	150-0016M	0.5	1	N-nitroso-di-n-propylamine	350	69	—
150B	150-0027	0.5	1	bis(2-chloroethyl)ether	340	220	—
150B	150-0027	0.5	1	hexachlorobenzene	340	300	—
150B	150-0027	0.5	1	N-nitroso-di-n-propylamine	340	69	—
150B	150-0028	3.5	4	bis(2-chloroethyl)ether	340	220	—
150B	150-0028	3.5	4	hexachlorobenzene	340	300	—
150B	150-0028	3.5	4	N-nitroso-di-n-propylamine	340	69	—
150B	280-S10B-004	0.5	1.5	bis(2-chloroethyl)ether	400	220	—
150B	280-S10B-004	0.5	1.5	hexachlorobenzene	400	300	—
150B	280-S10B-004	0.5	1.5	N-nitroso-di-n-propylamine	400	69	—
150B	280-S10B-005	2.5	3.5	bis(2-chloroethyl)ether	350	220	—
150B	280-S10B-005	2.5	3.5	hexachlorobenzene	350	300	—
150B	280-S10B-005	2.5	3.5	N-nitroso-di-n-propylamine	350	69	—
150B	280-S10B-006	3.5	4.5	bis(2-chloroethyl)ether	400	220	—
150B	280-S10B-006	3.5	4.5	hexachlorobenzene	400	300	—
150B	280-S10B-006	3.5	4.5	N-nitroso-di-n-propylamine	400	69	—
150B	280-S10B-007	5	6	bis(2-chloroethyl)ether	390	220	—
150B	280-S10B-007	5	6	hexachlorobenzene	390	300	—
150B	280-S10B-007	5	6	N-nitroso-di-n-propylamine	390	69	—
151	151-0001M	4	4.5	3,3′-dichlorobenzidine	2,000	1,100	—
151	151-0001M	4	4.5	benzidine	390	2.1	—
151	151-0001M	4	4.5	bis(2-chloroethyl)ether	390	220	—
151	151-0001M	4	4.5	hexachlorobenzene	390	300	—
151	151-0001M	4	4.5	N-nitrosodimethylamine	390	9.5	—
151	151-0001M	4	4.5	N-nitroso-di-n-propylamine	390	69	—
151	151-0002M	4	4.5	3,3′-dichlorobenzidine	2,000	1,100	—
151	151-0002M	4	4.5	benzidine	390	2.1	—
151	151-0002M	4	4.5	bis(2-chloroethyl)ether	390	220	—
151	151-0002M	4	4.5	hexachlorobenzene	390	300	—
151	151-0002M	4	4.5	N-nitrosodimethylamine	390	9.5	—
151	151-0002M	4	4.5	N-nitroso-di-n-propylamine	390	69	—
151	151-0003M	4	4.5	3,3′-dichlorobenzidine	2,000	1,100	—
151	151-0003M	4	4.5	benzidine	380	2.1	—
151	151-0003M	4	4.5	bis(2-chloroethyl)ether	380	220	—
151	151-0003M	4	4.5	hexachlorobenzene	380	300	—
151	151-0003M	4	4.5	N-nitrosodimethylamine	380	9.5	—
151	151-0003M	4	4.5	N-nitroso-di-n-propylamine	380	69	—
151	151-0004M	4	4.5	3,3′-dichlorobenzidine	2,000	1,100	—
151	151-0004M	4	4.5	benzidine	400	2.1	—
151	151-0004M	4	4.5	bis(2-chloroethyl)ether	400	220	—
151	151-0004M	4	4.5	hexachlorobenzene	400	300	—
151	151-0004M	4	4.5	N-nitrosodimethylamine	400	9.5	—
151	151-0004M	4	4.5	N-nitroso-di-n-propylamine	400	69	—

Table F-3
Soil Samples With Reporting Limits Exceeding PRGs: Semivolatile Organic Compounds

EBS Parcel	Sample ID	Top Depth (feet)	Bottom Depth (feet)	Analyte	Reporting Limit (µg/kg)	Soil Federal Residential PRG (µg/kg)	Soil California Modified Residential PRG (µg/kg)
151	151-0005M	4	4.5	3,3′-dichlorobenzidine	2,000	1,100	—
151	151-0005M	4	4.5	benzidine	400	2.1	—
151	151-0005M	4	4.5	bis(2-chloroethyl)ether	400	220	—
151	151-0005M	4	4.5	hexachlorobenzene	400	300	—
151	151-0005M	4	4.5	N-nitrosodimethylamine	400	9.5	—
151	151-0005M	4	4.5	N-nitroso-di-n-propylamine	400	69	—
151	151-0006M	4	4.5	3,3′-dichlorobenzidine	2,000	1,100	—
151	151-0006M	4	4.5	benzidine	400	2.1	—
151	151-0006M	4	4.5	bis(2-chloroethyl)ether	400	220	—
151	151-0006M	4	4.5	hexachlorobenzene	400	300	—
151	151-0006M	4	4.5	N-nitrosodimethylamine	400	9.5	—
151	151-0006M	4	4.5	N-nitroso-di-n-propylamine	400	69	—
151	151-0017M	4	4.5	3,3′-dichlorobenzidine	1,900	1,100	—
151	151-0017M	4	4.5	benzidine	370	2.1	—
151	151-0017M	4	4.5	bis(2-chloroethyl)ether	370	220	—
151	151-0017M	4	4.5	hexachlorobenzene	370	300	—
151	151-0017M	4	4.5	N-nitrosodimethylamine	370	9.5	—
151	151-0017M	4	4.5	N-nitroso-di-n-propylamine	370	69	—
151	151-0007	4	4.5	bis(2-chloroethyl)ether	390	220	—
151	151-0007	4	4.5	hexachlorobenzene	390	300	—
151	151-0007	4	4.5	N-nitroso-di-n-propylamine	390	69	—
151	151-0007M	4	4.5	3,3′-dichlorobenzidine	2,000	1,100	—
151	151-0007M	4	4.5	benzidine	400	2.1	—
151	151-0007M	4	4.5	bis(2-chloroethyl)ether	400	220	—
151	151-0007M	4	4.5	hexachlorobenzene	400	300	—
151	151-0007M	4	4.5	N-nitrosodimethylamine	400	9.5	—
151	151-0007M	4	4.5	N-nitroso-di-n-propylamine	400	69	—
151	151-0008	4	4.5	bis(2-chloroethyl)ether	410	220	—
151	151-0008	4	4.5	hexachlorobenzene	410	300	—
151	151-0008	4	4.5	N-nitroso-di-n-propylamine	410	69	—
151	151-0008M	4	4.5	3,3′-dichlorobenzidine	2,100	1,100	—
151	151-0008M	4	4.5	benzidine	400	2.1	—
151	151-0008M	4	4.5	bis(2-chloroethyl)ether	400	220	—
151	151-0008M	4	4.5	hexachlorobenzene	400	300	—
151	151-0008M	4	4.5	N-nitrosodimethylamine	400	9.5	—
151	151-0008M	4	4.5	N-nitroso-di-n-propylamine	400	69	—
151	151-0009	1	2	bis(2-chloroethyl)ether	340	220	—
151	151-0009	1	2	hexachlorobenzene	340	300	—
151	151-0009	1	2	N-nitroso-di-n-propylamine	340	69	—
151	151-0009M	1	2	2,4,6-trichlorophenol	18,000	6,100	—
151	151-0009M	1	2	2,4-dinitrotoluene	18,000	720	—
151	151-0009M	1	2	2,6-dinitrotoluene	18,000	720	—
151	151-0009M	1	2	3,3′-dichlorobenzidine	86,000	1,100	—
151	151-0009M	1	2	3-nitroaniline	86,000	18,000	—
151	151-0009M	1	2	4,6-dinitro-2-methylphenol	86,000	6,100	—
151	151-0009M	1	2	4-nitroaniline	86,000	23,000	—
151	151-0009M	1	2	benzidine	18,000	2.1	—
151	151-0009M	1	2	bis(2-chloroethyl)ether	18,000	220	—
151	151-0009M	1	2	hexachlorobenzene	18,000	300	—
151	151-0009M	1	2	hexachlorobutadiene	18,000	6,200	—
151	151-0009M	1	2	N-nitrosodimethylamine	18,000	9.5	—
151	151-0009M	1	2	N-nitroso-di-n-propylamine	18,000	69	—
151	151-0009M	1	2	pentachlorophenol	86,000	3,000	—
151	151-0013	4	4.5	bis(2-chloroethyl)ether	370	220	—
151	151-0013	4	4.5	hexachlorobenzene	370	300	—
151	151-0013	4	4.5	N-nitroso-di-n-propylamine	370	69	—
151	151-0013M	4	5	3,3′-dichlorobenzidine	2,100	1,100	—
151	151-0013M	4	5	benzidine	400	2.1	—
151	151-0013M	4	5	bis(2-chloroethyl)ether	400	220	—
151	151-0013M	4	5	hexachlorobenzene	400	300	—

Table F-3
Soil Samples With Reporting Limits Exceeding PRGs: Semivolatile Organic Compounds

EBS Parcel	Sample ID	Top Depth (feet)	Bottom Depth (feet)	Analyte	Reporting Limit (µg/kg)	Soil Federal Residential PRG (µg/kg)	Soil California Modified Residential PRG (µg/kg)
151	151-0013M	4	5	N-nitrosodimethylamine	400	9.5	—
151	151-0013M	4	5	N-nitroso-di-n-propylamine	400	69	—
151	151-0010M	0.5	1	3,3′-dichlorobenzidine	1,800	1,100	—
151	151-0010M	0.5	1	benzidine	350	2.1	—
151	151-0010M	0.5	1	bis(2-chloroethyl)ether	350	220	—
151	151-0010M	0.5	1	hexachlorobenzene	350	300	—
151	151-0010M	0.5	1	N-nitrosodimethylamine	350	9.5	—
151	151-0010M	0.5	1	N-nitroso-di-n-propylamine	350	69	—
151	151-0014M	4	4.5	3,3′-dichlorobenzidine	2,000	1,100	—
151	151-0014M	4	4.5	benzidine	400	2.1	—
151	151-0014M	4	4.5	bis(2-chloroethyl)ether	400	220	—
151	151-0014M	4	4.5	hexachlorobenzene	400	300	—
151	151-0014M	4	4.5	N-nitrosodimethylamine	400	9.5	—
151	151-0014M	4	4.5	N-nitroso-di-n-propylamine	400	69	—
151	151-0011M	1	2	3,3′-dichlorobenzidine	1,800	1,100	—
151	151-0011M	1	2	benzidine	340	2.1	—
151	151-0011M	1	2	bis(2-chloroethyl)ether	340	220	—
151	151-0011M	1	2	hexachlorobenzene	340	300	—
151	151-0011M	1	2	N-nitrosodimethylamine	340	9.5	—
151	151-0011M	1	2	N-nitroso-di-n-propylamine	340	69	—
151	151-0015M	4	4.5	3,3′-dichlorobenzidine	2,000	1,100	—
151	151-0015M	4	4.5	benzidine	400	2.1	—
151	151-0015M	4	4.5	bis(2-chloroethyl)ether	400	220	—
151	151-0015M	4	4.5	hexachlorobenzene	400	300	—
151	151-0015M	4	4.5	N-nitrosodimethylamine	400	9.5	—
151	151-0015M	4	4.5	N-nitroso-di-n-propylamine	400	69	—
151	151-0012M	1	1.5	2,4-dinitrotoluene	3,700	720	—
151	151-0012M	1	1.5	2,6-dinitrotoluene	3,700	720	—
151	151-0012M	1	1.5	3,3′-dichlorobenzidine	19,000	1,100	—
151	151-0012M	1	1.5	3-nitroaniline	19,000	18,000	—
151	151-0012M	1	1.5	4,6-dinitro-2-methylphenol	19,000	6,100	—
151	151-0012M	1	1.5	benzidine	3,700	2.1	—
151	151-0012M	1	1.5	bis(2-chloro-1-methylethyl)ether	3,700	2,900	—
151	151-0012M	1	1.5	bis(2-chloroethyl)ether	3,700	220	—
151	151-0012M	1	1.5	hexachlorobenzene	3,700	300	—
151	151-0012M	1	1.5	N-nitrosodimethylamine	3,700	9.5	—
151	151-0012M	1	1.5	N-nitroso-di-n-propylamine	3,700	69	—
151	151-0012M	1	1.5	pentachlorophenol	19,000	3,000	—
151	151-0016M	4	4.5	3,3′-dichlorobenzidine	2,000	1,100	—
151	151-0016M	4	4.5	benzidine	400	2.1	—
151	151-0016M	4	4.5	bis(2-chloroethyl)ether	400	220	—
151	151-0016M	4	4.5	hexachlorobenzene	400	300	—
151	151-0016M	4	4.5	N-nitrosodimethylamine	400	9.5	—
151	151-0016M	4	4.5	N-nitroso-di-n-propylamine	400	69	—
154	154-0001	0.5	1	bis(2-chloroethyl)ether	350	220	—
154	154-0001	0.5	1	hexachlorobenzene	350	300	—
154	154-0001	0.5	1	N-nitroso-di-n-propylamine	350	69	—
154	154-0001M	0.5	1	3,3′-dichlorobenzidine	1,800	1,100	—
154	154-0001M	0.5	1	benzidine	350	2.1	—
154	154-0001M	0.5	1	bis(2-chloroethyl)ether	350	220	—
154	154-0001M	0.5	1	hexachlorobenzene	350	300	—
154	154-0001M	0.5	1	N-nitrosodimethylamine	350	9.5	—
154	154-0001M	0.5	1	N-nitroso-di-n-propylamine	350	69	—
154	154-0021	4	4.5	bis(2-chloroethyl)ether	340	220	—
154	154-0021	4	4.5	hexachlorobenzene	340	300	—
154	154-0021	4	4.5	N-nitroso-di-n-propylamine	340	69	—
154	154-0021M	4	4.5	3,3′-dichlorobenzidine	1,700	1,100	—
154	154-0021M	4	4.5	benzidine	350	2.1	—
154	154-0021M	4	4.5	bis(2-chloroethyl)ether	350	220	—
154	154-0021M	4	4.5	hexachlorobenzene	350	300	—

Table F-3
Soil Samples With Reporting Limits Exceeding PRGs: Semivolatile Organic Compounds

EBS Parcel	Sample ID	Top Depth (feet)	Bottom Depth (feet)	Analyte	Reporting Limit (µg/kg)	Soil Federal Residential PRG (µg/kg)	Soil California Modified Residential PRG (µg/kg)
154	154-0021M	4	4.5	N-nitrosodimethylamine	350	9.5	—
154	154-0021M	4	4.5	N-nitroso-di-n-propylamine	350	69	—
154	154-0002M	0.5	1	3,3′-dichlorobenzidine	1,700	1,100	—
154	154-0002M	0.5	1	benzidine	340	2.1	—
154	154-0002M	0.5	1	bis(2-chloroethyl)ether	340	220	—
154	154-0002M	0.5	1	hexachlorobenzene	340	300	—
154	154-0002M	0.5	1	N-nitrosodimethylamine	340	9.5	—
154	154-0002M	0.5	1	N-nitroso-di-n-propylamine	340	69	—
154	154-0022M	4	4.5	3,3′-dichlorobenzidine	1,700	1,100	—
154	154-0022M	4	4.5	benzidine	350	2.1	—
154	154-0022M	4	4.5	bis(2-chloroethyl)ether	350	220	—
154	154-0022M	4	4.5	hexachlorobenzene	350	300	—
154	154-0022M	4	4.5	N-nitrosodimethylamine	350	9.5	—
154	154-0022M	4	4.5	N-nitroso-di-n-propylamine	350	69	—
154	154-0028M	0.5	1	3,3′-dichlorobenzidine	1,700	1,100	—
154	154-0028M	0.5	1	benzidine	350	2.1	—
154	154-0028M	0.5	1	bis(2-chloroethyl)ether	350	220	—
154	154-0028M	0.5	1	hexachlorobenzene	350	300	—
154	154-0028M	0.5	1	N-nitrosodimethylamine	350	9.5	—
154	154-0028M	0.5	1	N-nitroso-di-n-propylamine	350	69	—
154	154-0003M	0.5	1	2,4-dinitrotoluene	1,800	720	—
154	154-0003M	0.5	1	2,6-dinitrotoluene	1,800	720	—
154	154-0003M	0.5	1	3,3′-dichlorobenzidine	9,100	1,100	—
154	154-0003M	0.5	1	4,6-dinitro-2-methylphenol	9,100	6,100	—
154	154-0003M	0.5	1	benzidine	1,800	2.1	—
154	154-0003M	0.5	1	bis(2-chloroethyl)ether	1,800	220	—
154	154-0003M	0.5	1	hexachlorobenzene	1,800	300	—
154	154-0003M	0.5	1	N-nitrosodimethylamine	1,800	9.5	—
154	154-0003M	0.5	1	N-nitroso-di-n-propylamine	1,800	69	—
154	154-0003M	0.5	1	pentachlorophenol	9,100	3,000	—
154	154-0023M	4	4.5	2,4-dinitrotoluene	3,600	720	—
154	154-0023M	4	4.5	2,6-dinitrotoluene	3,600	720	—
154	154-0023M	4	4.5	3,3′-dichlorobenzidine	18,000	1,100	—
154	154-0023M	4	4.5	4,6-dinitro-2-methylphenol	18,000	6,100	—
154	154-0023M	4	4.5	benzidine	3,600	2.1	—
154	154-0023M	4	4.5	bis(2-chloro-1-methylethyl)ether	3,600	2,900	—
154	154-0023M	4	4.5	bis(2-chloroethyl)ether	3,600	220	—
154	154-0023M	4	4.5	hexachlorobenzene	3,600	300	—
154	154-0023M	4	4.5	N-nitrosodimethylamine	3,600	9.5	—
154	154-0023M	4	4.5	N-nitroso-di-n-propylamine	3,600	69	—
154	154-0023M	4	4.5	pentachlorophenol	18,000	3,000	—
154	154-0004M	4	4.5	3,3′-dichlorobenzidine	1,700	1,100	—
154	154-0004M	4	4.5	benzidine	350	2.1	—
154	154-0004M	4	4.5	bis(2-chloroethyl)ether	350	220	—
154	154-0004M	4	4.5	hexachlorobenzene	350	300	—
154	154-0004M	4	4.5	N-nitrosodimethylamine	350	9.5	—
154	154-0004M	4	4.5	N-nitroso-di-n-propylamine	350	69	—
154	154-0005M	4	4.5	3,3′-dichlorobenzidine	1,700	1,100	—
154	154-0005M	4	4.5	benzidine	340	2.1	—
154	154-0005M	4	4.5	bis(2-chloroethyl)ether	340	220	—
154	154-0005M	4	4.5	hexachlorobenzene	340	300	—
154	154-0005M	4	4.5	N-nitrosodimethylamine	340	9.5	—
154	154-0005M	4	4.5	N-nitroso-di-n-propylamine	340	69	—
154	154-0006M	4	4.5	3,3′-dichlorobenzidine	1,800	1,100	—
154	154-0006M	4	4.5	benzidine	350	2.1	—
154	154-0006M	4	4.5	bis(2-chloroethyl)ether	350	220	—
154	154-0006M	4	4.5	hexachlorobenzene	350	300	—
154	154-0006M	4	4.5	N-nitrosodimethylamine	350	9.5	—
154	154-0006M	4	4.5	N-nitroso-di-n-propylamine	350	69	—
154	154-0007	4	4.5	bis(2-chloroethyl)ether	340	220	—

Table F-3
Soil Samples With Reporting Limits Exceeding PRGs: Semivolatile Organic Compounds

EBS Parcel	Sample ID	Top Depth (feet)	Bottom Depth (feet)	Analyte	Reporting Limit (µg/kg)	Soil Federal Residential PRG (µg/kg)	Soil California Modified Residential PRG (µg/kg)
154	154-0007	4	4.5	hexachlorobenzene	340	300	—
154	154-0007	4	4.5	N-nitroso-di-n-propylamine	340	69	—
154	154-0007M	4	4.5	3,3′-dichlorobenzidine	1,700	1,100	—
154	154-0007M	4	4.5	benzidine	340	2.1	—
154	154-0007M	4	4.5	bis(2-chloroethyl)ether	340	220	—
154	154-0007M	4	4.5	hexachlorobenzene	340	300	—
154	154-0007M	4	4.5	N-nitrosodimethylamine	340	9.5	—
154	154-0007M	4	4.5	N-nitroso-di-n-propylamine	340	69	—
154	154-0008M	4	4.5	3,3′-dichlorobenzidine	1,700	1,100	—
154	154-0008M	4	4.5	benzidine	340	2.1	—
154	154-0008M	4	4.5	bis(2-chloroethyl)ether	340	220	—
154	154-0008M	4	4.5	hexachlorobenzene	340	300	—
154	154-0008M	4	4.5	N-nitrosodimethylamine	340	9.5	—
154	154-0008M	4	4.5	N-nitroso-di-n-propylamine	340	69	—
154	154-0029M	4	4.5	3,3′-dichlorobenzidine	1,800	1,100	—
154	154-0029M	4	4.5	benzidine	350	2.1	—
154	154-0029M	4	4.5	bis(2-chloroethyl)ether	350	220	—
154	154-0029M	4	4.5	hexachlorobenzene	350	300	—
154	154-0029M	4	4.5	N-nitrosodimethylamine	350	9.5	—
154	154-0029M	4	4.5	N-nitroso-di-n-propylamine	350	69	—
154	154-0009	0.5	1	bis(2-chloroethyl)ether	330	220	—
154	154-0009	0.5	1	hexachlorobenzene	330	300	—
154	154-0009	0.5	1	N-nitroso-di-n-propylamine	330	69	—
154	154-0009M	0.5	1	3,3′-dichlorobenzidine	1,700	1,100	—
154	154-0009M	0.5	1	benzidine	350	2.1	—
154	154-0009M	0.5	1	bis(2-chloroethyl)ether	350	220	—
154	154-0009M	0.5	1	hexachlorobenzene	350	300	—
154	154-0009M	0.5	1	N-nitrosodimethylamine	350	9.5	—
154	154-0009M	0.5	1	N-nitroso-di-n-propylamine	350	69	—
154	154-0010M	4	4.5	3,3′-dichlorobenzidine	1,800	1,100	—
154	154-0010M	4	4.5	benzidine	350	2.1	—
154	154-0010M	4	4.5	bis(2-chloroethyl)ether	350	220	—
154	154-0010M	4	4.5	hexachlorobenzene	350	300	—
154	154-0010M	4	4.5	N-nitrosodimethylamine	350	9.5	—
154	154-0010M	4	4.5	N-nitroso-di-n-propylamine	350	69	—
154	154-0011	0.5	1	bis(2-chloroethyl)ether	340	220	—
154	154-0011	0.5	1	hexachlorobenzene	340	300	—
154	154-0011	0.5	1	N-nitroso-di-n-propylamine	340	69	—
154	154-0011M	0.5	1	3,3′-dichlorobenzidine	1,700	1,100	—
154	154-0011M	0.5	1	benzidine	350	2.1	—
154	154-0011M	0.5	1	bis(2-chloroethyl)ether	350	220	—
154	154-0011M	0.5	1	hexachlorobenzene	350	300	—
154	154-0011M	0.5	1	N-nitrosodimethylamine	350	9.5	—
154	154-0011M	0.5	1	N-nitroso-di-n-propylamine	350	69	—
154	154-0024	4	4.5	bis(2-chloroethyl)ether	350	220	—
154	154-0024	4	4.5	hexachlorobenzene	350	300	—
154	154-0024	4	4.5	N-nitroso-di-n-propylamine	350	69	—
154	154-0024M	4	4.5	3,3′-dichlorobenzidine	1,800	1,100	—
154	154-0024M	4	4.5	benzidine	360	2.1	—
154	154-0024M	4	4.5	bis(2-chloroethyl)ether	360	220	—
154	154-0024M	4	4.5	hexachlorobenzene	360	300	—
154	154-0024M	4	4.5	N-nitrosodimethylamine	360	9.5	—
154	154-0024M	4	4.5	N-nitroso-di-n-propylamine	360	69	—
154	154-0012	0.5	1	bis(2-chloroethyl)ether	350	220	—
154	154-0012	0.5	1	hexachlorobenzene	350	300	—
154	154-0012	0.5	1	N-nitroso-di-n-propylamine	350	69	—
154	154-0012M	0.5	1	3,3′-dichlorobenzidine	1,800	1,100	—
154	154-0012M	0.5	1	benzidine	350	2.1	—
154	154-0012M	0.5	1	bis(2-chloroethyl)ether	350	220	—
154	154-0012M	0.5	1	hexachlorobenzene	350	300	—

Table F-3
Soil Samples With Reporting Limits Exceeding PRGs: Semivolatile Organic Compounds

EBS Parcel	Sample ID	Top Depth (feet)	Bottom Depth (feet)	Analyte	Reporting Limit (µg/kg)	Soil Federal Residential PRG (µg/kg)	Soil California Modified Residential PRG (µg/kg)
154	154-0012M	0.5	1	N-nitrosodimethylamine	350	9.5	—
154	154-0012M	0.5	1	N-nitroso-di-n-propylamine	350	69	—
154	154-0025	4	4.5	bis(2-chloroethyl)ether	340	220	—
154	154-0025	4	4.5	hexachlorobenzene	340	300	—
154	154-0025	4	4.5	N-nitroso-di-n-propylamine	340	69	—
154	154-0025M	4	4.5	3,3′-dichlorobenzidine	1,800	1,100	—
154	154-0025M	4	4.5	benzidine	350	2.1	—
154	154-0025M	4	4.5	bis(2-chloroethyl)ether	350	220	—
154	154-0025M	4	4.5	hexachlorobenzene	350	300	—
154	154-0025M	4	4.5	N-nitrosodimethylamine	350	9.5	—
154	154-0025M	4	4.5	N-nitroso-di-n-propylamine	350	69	—
154	154-0013M	0.5	1	3,3′-dichlorobenzidine	1,800	1,100	—
154	154-0013M	0.5	1	benzidine	350	2.1	—
154	154-0013M	0.5	1	bis(2-chloroethyl)ether	350	220	—
154	154-0013M	0.5	1	hexachlorobenzene	350	300	—
154	154-0013M	0.5	1	N-nitrosodimethylamine	350	9.5	—
154	154-0013M	0.5	1	N-nitroso-di-n-propylamine	350	69	—
154	154-0026M	4	4.5	3,3′-dichlorobenzidine	1,800	1,100	—
154	154-0026M	4	4.5	benzidine	350	2.1	—
154	154-0026M	4	4.5	bis(2-chloroethyl)ether	350	220	—
154	154-0026M	4	4.5	hexachlorobenzene	350	300	—
154	154-0026M	4	4.5	N-nitrosodimethylamine	350	9.5	—
154	154-0026M	4	4.5	N-nitroso-di-n-propylamine	350	69	—
154	154-0014M	0.5	1	3,3′-dichlorobenzidine	1,800	1,100	—
154	154-0014M	0.5	1	benzidine	350	2.1	—
154	154-0014M	0.5	1	bis(2-chloroethyl)ether	350	220	—
154	154-0014M	0.5	1	hexachlorobenzene	350	300	—
154	154-0014M	0.5	1	N-nitrosodimethylamine	350	9.5	—
154	154-0014M	0.5	1	N-nitroso-di-n-propylamine	350	69	—
154	154-0027M	4	4.5	3,3′-dichlorobenzidine	1,800	1,100	—
154	154-0027M	4	4.5	benzidine	350	2.1	—
154	154-0027M	4	4.5	bis(2-chloroethyl)ether	350	220	—
154	154-0027M	4	4.5	hexachlorobenzene	350	300	—
154	154-0027M	4	4.5	N-nitrosodimethylamine	350	9.5	—
154	154-0027M	4	4.5	N-nitroso-di-n-propylamine	350	69	—
154	154-0015M	4	4.5	3,3′-dichlorobenzidine	1,800	1,100	—
154	154-0015M	4	4.5	benzidine	350	2.1	—
154	154-0015M	4	4.5	bis(2-chloroethyl)ether	350	220	—
154	154-0015M	4	4.5	hexachlorobenzene	350	300	—
154	154-0015M	4	4.5	N-nitrosodimethylamine	350	9.5	—
154	154-0015M	4	4.5	N-nitroso-di-n-propylamine	350	69	—
154	154-0016M	4	4.5	2,4-dinitrotoluene	1,800	720	—
154	154-0016M	4	4.5	2,6-dinitrotoluene	1,800	720	—
154	154-0016M	4	4.5	3,3′-dichlorobenzidine	9200	1,100	—
154	154-0016M	4	4.5	4,6-dinitro-2-methylphenol	9200	6,100	—
154	154-0016M	4	4.5	benzidine	1,800	2.1	—
154	154-0016M	4	4.5	bis(2-chloroethyl)ether	1,800	220	—
154	154-0016M	4	4.5	hexachlorobenzene	1,800	300	—
154	154-0016M	4	4.5	N-nitrosodimethylamine	1,800	9.5	—
154	154-0016M	4	4.5	N-nitroso-di-n-propylamine	1,800	69	—
154	154-0016M	4	4.5	pentachlorophenol	9200	3,000	—
154	154-0017M	4	4.5	3,3′-dichlorobenzidine	1,800	1,100	—
154	154-0017M	4	4.5	benzidine	370	2.1	—
154	154-0017M	4	4.5	bis(2-chloroethyl)ether	370	220	—
154	154-0017M	4	4.5	hexachlorobenzene	370	300	—
154	154-0017M	4	4.5	N-nitrosodimethylamine	370	9.5	—
154	154-0017M	4	4.5	N-nitroso-di-n-propylamine	370	69	—
154	154-0018	4	4.5	bis(2-chloroethyl)ether	350	220	—
154	154-0018	4	4.5	hexachlorobenzene	350	300	—
154	154-0018	4	4.5	N-nitroso-di-n-propylamine	350	69	—

Table F-3
Soil Samples With Reporting Limits Exceeding PRGs: Semivolatile Organic Compounds

EBS Parcel	Sample ID	Top Depth (feet)	Bottom Depth (feet)	Analyte	Reporting Limit (µg/kg)	Soil Federal Residential PRG (µg/kg)	Soil California Modified Residential PRG (µg/kg)
154	154-0018M	4	4.5	3,3′-dichlorobenzidine	1,900	1,100	—
154	154-0018M	4	4.5	benzidine	380	2.1	—
154	154-0018M	4	4.5	bis(2-chloroethyl)ether	380	220	—
154	154-0018M	4	4.5	hexachlorobenzene	380	300	—
154	154-0018M	4	4.5	N-nitrosodimethylamine	380	9.5	—
154	154-0018M	4	4.5	N-nitroso-di-n-propylamine	380	69	—
159	159S-001	3	4	bis(2-chloroethyl)ether	350	220	—
159	159S-001	3	4	hexachlorobenzene	350	300	—
159	159S-001	3	4	N-nitroso-di-n-propylamine	350	69	—
159	159-0005M	1	1.5	3,3′-dichlorobenzidine	1,800	1,100	—
159	159-0005M	1	1.5	benzidine	350	2.1	—
159	159-0005M	1	1.5	bis(2-chloroethyl)ether	350	220	—
159	159-0005M	1	1.5	hexachlorobenzene	350	300	—
159	159-0005M	1	1.5	N-nitrosodimethylamine	350	9.5	—
159	159-0005M	1	1.5	N-nitroso-di-n-propylamine	350	69	—
159	159-0006M	2	2.5	2,4-dinitrotoluene	3,600	720	—
159	159-0006M	2	2.5	2,6-dinitrotoluene	3,600	720	—
159	159-0006M	2	2.5	3,3′-dichlorobenzidine	18,000	1,100	—
159	159-0006M	2	2.5	4,6-dinitro-2-methylphenol	18,000	6,100	—
159	159-0006M	2	2.5	benzidine	3,600	2.1	—
159	159-0006M	2	2.5	bis(2-chloro-1-methylethyl)ether	3,600	2,900	—
159	159-0006M	2	2.5	bis(2-chloroethyl)ether	3,600	220	—
159	159-0006M	2	2.5	hexachlorobenzene	3,600	300	—
159	159-0006M	2	2.5	N-nitrosodimethylamine	3,600	9.5	—
159	159-0006M	2	2.5	N-nitroso-di-n-propylamine	3,600	69	—
159	159-0006M	2	2.5	pentachlorophenol	18,000	3,000	—
159	160S-001	3	4	bis(2-chloroethyl)ether	380	220	—
159	160S-001	3	4	hexachlorobenzene	380	300	—
159	160S-001	3	4	N-nitroso-di-n-propylamine	380	69	—
159	160S-011	3	4	bis(2-chloroethyl)ether	370	220	—
159	160S-011	3	4	hexachlorobenzene	370	300	—
159	160S-011	3	4	N-nitroso-di-n-propylamine	370	69	—
201	201-0001M	3	3.5	3,3′-dichlorobenzidine	1,900	1,100	—
201	201-0001M	3	3.5	benzidine	370	2.1	—
201	201-0001M	3	3.5	bis(2-chloroethyl)ether	370	220	—
201	201-0001M	3	3.5	hexachlorobenzene	370	300	—
201	201-0001M	3	3.5	N-nitrosodimethylamine	370	9.5	—
201	201-0001M	3	3.5	N-nitroso-di-n-propylamine	370	69	—
201	201-0002M	4	4.5	3,3′-dichlorobenzidine	1,900	1,100	—
201	201-0002M	4	4.5	benzidine	380	2.1	—
201	201-0002M	4	4.5	bis(2-chloroethyl)ether	380	220	—
201	201-0002M	4	4.5	hexachlorobenzene	380	300	—
201	201-0002M	4	4.5	N-nitrosodimethylamine	380	9.5	—
201	201-0002M	4	4.5	N-nitroso-di-n-propylamine	380	69	—
201	201-0003M	4	5	3,3′-dichlorobenzidine	2,000	1,100	—
201	201-0003M	4	5	benzidine	400	2.1	—
201	201-0003M	4	5	bis(2-chloroethyl)ether	400	220	—
201	201-0003M	4	5	hexachlorobenzene	400	300	—
201	201-0003M	4	5	N-nitrosodimethylamine	400	9.5	—
201	201-0003M	4	5	N-nitroso-di-n-propylamine	400	69	—
201	201-0011M	4	5	3,3′-dichlorobenzidine	2,100	1,100	—
201	201-0011M	4	5	benzidine	410	2.1	—
201	201-0011M	4	5	bis(2-chloroethyl)ether	410	220	—
201	201-0011M	4	5	hexachlorobenzene	410	300	—
201	201-0011M	4	5	N-nitrosodimethylamine	410	9.5	—
201	201-0011M	4	5	N-nitroso-di-n-propylamine	410	69	—
201	201-0004M	4	4.5	3,3′-dichlorobenzidine	1,800	1,100	—
201	201-0004M	4	4.5	benzidine	360	2.1	—
201	201-0004M	4	4.5	bis(2-chloroethyl)ether	360	220	—
201	201-0004M	4	4.5	hexachlorobenzene	360	300	—

Table F-3
Soil Samples With Reporting Limits Exceeding PRGs: Semivolatile Organic Compounds

EBS Parcel	Sample ID	Top Depth (feet)	Bottom Depth (feet)	Analyte	Reporting Limit (µg/kg)	Soil Federal Residential PRG (µg/kg)	Soil California Modified Residential PRG (µg/kg)
201	201-0004M	4	4.5	N-nitrosodimethylamine	360	9.5	—
201	201-0004M	4	4.5	N-nitroso-di-n-propylamine	360	69	—
201	201-0005M	4	4.5	3,3′-dichlorobenzidine	1,800	1,100	—
201	201-0005M	4	4.5	benzidine	360	2.1	—
201	201-0005M	4	4.5	bis(2-chloroethyl)ether	360	220	—
201	201-0005M	4	4.5	hexachlorobenzene	360	300	—
201	201-0005M	4	4.5	N-nitrosodimethylamine	360	9.5	—
201	201-0005M	4	4.5	N-nitroso-di-n-propylamine	360	69	—
201	201-0006	5	6	bis(2-chloroethyl)ether	350	220	—
201	201-0006	5	6	hexachlorobenzene	350	300	—
201	201-0006	5	6	N-nitroso-di-n-propylamine	350	69	—
201	201-0006M	5	6	3,3′-dichlorobenzidine	2,000	1,100	—
201	201-0006M	5	6	benzidine	400	2.1	—
201	201-0006M	5	6	bis(2-chloroethyl)ether	400	220	—
201	201-0006M	5	6	hexachlorobenzene	400	300	—
201	201-0006M	5	6	N-nitrosodimethylamine	400	9.5	—
201	201-0006M	5	6	N-nitroso-di-n-propylamine	400	69	—
201	201-0007	4.5	5	bis(2-chloroethyl)ether	350	220	—
201	201-0007	4.5	5	hexachlorobenzene	350	300	—
201	201-0007	4.5	5	N-nitroso-di-n-propylamine	350	69	—
201	201-0007M	4.5	5	3,3′-dichlorobenzidine	1,900	1,100	—
201	201-0007M	4.5	5	benzidine	380	2.1	—
201	201-0007M	4.5	5	bis(2-chloroethyl)ether	380	220	—
201	201-0007M	4.5	5	hexachlorobenzene	380	300	—
201	201-0007M	4.5	5	N-nitrosodimethylamine	380	9.5	—
201	201-0007M	4.5	5	N-nitroso-di-n-propylamine	380	69	—

Acronyms/Abbreviations:
EBS – environmental baseline survey
µg/kg – micrograms per kilogram
PRG – preliminary remediation goal

Table F-4
Soil Samples With Reporting Limits Exceeding Petroleum Hydrocarbon ESLs

EBS Parcel	Sample ID	Top Depth (feet)	Bottom Depth (feet)	Analyte	Reporting Limit (mg/kg)	Soil TPH ESL (mg/kg)
154	154-0003M	0.5	1	motor oil	2,700	500
154	154-0023M	4	4.5	motor oil	2,700	500

Acronyms/Abbreviations:
EBS – environmental baseline survey
ESL – environmental screening level
mg/kg – milligrams per kilogram
TPH – total petroleum hydrocarbons

Table F-5
Soil Samples With Reporting Limits Exceeding PRGs: Dioxins and Furans

EBS Parcel	Sample ID	Top Depth (feet)	Bottom Depth (feet)	Analyte	Reporting Limit (µg/kg)	Soil Federal Residential PRG (µg/kg)	Soil California Modified Residential PRG (µg/kg)
150B	150-0018	0.5	1	1,2,3,4,6,7,8,9-octachlorodibenzofuran	5	0.0039	—
150B	150-0018	0.5	1	1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin	5	0.0039	—
150B	150-0018	0.5	1	1,2,3,4,6,7,8-heptachlorodibenzofuran	2.5	0.0039	—
150B	150-0018	0.5	1	1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin	2.5	0.0039	—
150B	150-0018	0.5	1	1,2,3,4,7,8,9-heptachlorodibenzofuran	2.5	0.0039	—
150B	150-0018	0.5	1	1,2,3,4,7,8-hexachlorodibenzofuran	2.5	0.0039	—
150B	150-0018	0.5	1	1,2,3,4,7,8-hexachlorodibenzo-p-dioxin	2.5	0.0039	—
150B	150-0018	0.5	1	1,2,3,6,7,8-hexachlorodibenzofuran	2.5	0.0039	—
150B	150-0018	0.5	1	1,2,3,6,7,8-hexachlorodibenzo-p-dioxin	2.5	0.0039	—
150B	150-0018	0.5	1	1,2,3,7,8,9-hexachlorodibenzofuran	2.5	0.0039	—
150B	150-0018	0.5	1	1,2,3,7,8,9-hexachlorodibenzo-p-dioxin	2.5	0.0039	—
150B	150-0018	0.5	1	1,2,3,7,8-pentachlorodibenzofuran	2.5	0.0039	—
150B	150-0018	0.5	1	1,2,3,7,8-pentachlorodibenzo-p-dioxin	2.5	0.0039	—
150B	150-0018	0.5	1	2,3,4,6,7,8-hexachlorodibenzofuran	2.5	0.0039	—
150B	150-0018	0.5	1	2,3,4,7,8-pentachlorodibenzofuran	2.5	0.0039	—
150B	150-0018	0.5	1	2,3,7,8-tetrachlorodibenzofuran	1	0.0039	—
150B	150-0018	0.5	1	2,3,7,8-tetrachlorodibenzo-p-dioxin	1	0.0039	—
150B	150-0018	0.5	1	heptachlorodibenzofurans	2.5	0.0039	—
150B	150-0018	0.5	1	heptachlorodibenzo-p-dioxins	2.5	0.0039	—
150B	150-0018	0.5	1	hexachlorodibenzofurans	2.5	0.0039	—
150B	150-0018	0.5	1	hexachlorodibenzo-p-dioxins	2.5	0.0039	—
150B	150-0018	0.5	1	pentachlorodibenzofurans	2.5	0.0039	—
150B	150-0018	0.5	1	pentachlorodibenzo-p-dioxins	2.5	0.0039	—
150B	150-0018	0.5	1	tetrachlorodibenzofurans	1	0.0039	—
150B	150-0018	0.5	1	tetrachlorodibenzo-p-dioxins	1	0.0039	—
154	154-0020	0.5	1	1,2,3,4,6,7,8,9-octachlorodibenzofuran	4.8	0.0039	—
154	154-0020	0.5	1	1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin	4.8	0.0039	—
154	154-0020	0.5	1	1,2,3,4,6,7,8-heptachlorodibenzofuran	2.4	0.0039	—
154	154-0020	0.5	1	1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin	2.4	0.0039	—
154	154-0020	0.5	1	1,2,3,4,7,8,9-heptachlorodibenzofuran	2.4	0.0039	—
154	154-0020	0.5	1	1,2,3,4,7,8-hexachlorodibenzofuran	2.4	0.0039	—
154	154-0020	0.5	1	1,2,3,4,7,8-hexachlorodibenzo-p-dioxin	2.4	0.0039	—
154	154-0020	0.5	1	1,2,3,6,7,8-hexachlorodibenzofuran	2.4	0.0039	—
154	154-0020	0.5	1	1,2,3,6,7,8-hexachlorodibenzo-p-dioxin	2.4	0.0039	—
154	154-0020	0.5	1	1,2,3,7,8,9-hexachlorodibenzofuran	2.4	0.0039	—
154	154-0020	0.5	1	1,2,3,7,8,9-hexachlorodibenzo-p-dioxin	2.4	0.0039	—
154	154-0020	0.5	1	1,2,3,7,8-pentachlorodibenzofuran	2.4	0.0039	—
154	154-0020	0.5	1	1,2,3,7,8-pentachlorodibenzo-p-dioxin	2.4	0.0039	—
154	154-0020	0.5	1	2,3,4,6,7,8-hexachlorodibenzofuran	2.4	0.0039	—
154	154-0020	0.5	1	2,3,4,7,8-pentachlorodibenzofuran	2.4	0.0039	—
154	154-0020	0.5	1	2,3,7,8-tetrachlorodibenzofuran	1	0.0039	—
154	154-0020	0.5	1	2,3,7,8-tetrachlorodibenzo-p-dioxin	1	0.0039	—
154	154-0020	0.5	1	heptachlorodibenzofurans	2.4	0.0039	—
154	154-0020	0.5	1	heptachlorodibenzo-p-dioxins	2.4	0.0039	—
154	154-0020	0.5	1	hexachlorodibenzofurans	2.4	0.0039	—
154	154-0020	0.5	1	hexachlorodibenzo-p-dioxins	2.4	0.0039	—
154	154-0020	0.5	1	pentachlorodibenzofurans	2.4	0.0039	—
154	154-0020	0.5	1	pentachlorodibenzo-p-dioxins	2.4	0.0039	—
154	154-0020	0.5	1	tetrachlorodibenzofurans	1	0.0039	—
154	154-0020	0.5	1	tetrachlorodibenzo-p-dioxins	1	0.0039	—

Acronyms/Abbreviations:
EBS – environmental baseline survey
µg/kg – micrograms per kilogram
PRG – preliminary remediation goal

Table F-6
Soil Gas Samples With Reporting Limits Exceeding
Screening Criteria: Volatile Organic Compounds

EBS Parcel	Sample ID	Top Depth (feet)	Bottom Depth (feet)	Analyte	Reporting Limit (mg/m^3)	Shallow Soil Gas Residential (mg/m^3)
150B	150-0010M	3	3	1,1,2,2-tetrachloroethane	5	0.043
150B	150-0010M	3	3	1,1,2-trichloroethane	5	0.15
150B	150-0010M	3	3	1,1-dichloroethane	5	1.5
150B	150-0010M	3	3	1,2-dichloroethane	5	0.12
150B	150-0010M	3	3	1,2-dichloropropane	5	0.24
150B	150-0010M	3	3	benzene	5	0.085
150B	150-0010M	3	3	bromodichloromethane	5	0.066
150B	150-0010M	3	3	bromomethane	10	1
150B	150-0010M	3	3	carbon tetrachloride	5	0.057
150B	150-0010M	3	3	chlorodibromomethane	5	0.091
150B	150-0010M	3	3	chloroethane	10	2.9
150B	150-0010M	3	3	chloromethane	10	0.33
150B	150-0010M	3	3	methylene chloride	20	2.4
150B	150-0010M	3	3	tetrachloroethene	5	0.41
150B	150-0010M	3	3	trichloroethene	5	1.2
150B	150-0010M	3	3	vinyl chloride	10	0.032
150B	150-0011M	3	3	1,1,2,2-tetrachloroethane	5	0.043
150B	150-0011M	3	3	1,1,2-trichloroethane	5	0.15
150B	150-0011M	3	3	1,1-dichloroethane	5	1.5
150B	150-0011M	3	3	1,2-dichloroethane	5	0.12
150B	150-0011M	3	3	1,2-dichloropropane	5	0.24
150B	150-0011M	3	3	benzene	5	0.085
150B	150-0011M	3	3	bromodichloromethane	5	0.066
150B	150-0011M	3	3	bromomethane	10	1
150B	150-0011M	3	3	carbon tetrachloride	5	0.057
150B	150-0011M	3	3	chlorodibromomethane	5	0.091
150B	150-0011M	3	3	chloroethane	10	2.9
150B	150-0011M	3	3	chloroform	5	0.45
150B	150-0011M	3	3	chloromethane	10	0.33
150B	150-0011M	3	3	methylene chloride	20	2.4
150B	150-0011M	3	3	tetrachloroethene	5	0.41
150B	150-0011M	3	3	trichloroethene	5	1.2
150B	150-0011M	3	3	vinyl chloride	10	0.032
150B	150-0012M	3	3	1,1,2,2-tetrachloroethane	5	0.043
150B	150-0012M	3	3	1,1,2-trichloroethane	5	0.15
150B	150-0012M	3	3	1,1-dichloroethane	5	1.5
150B	150-0012M	3	3	1,2-dichloroethane	5	0.12
150B	150-0012M	3	3	1,2-dichloropropane	5	0.24
150B	150-0012M	3	3	benzene	5	0.085
150B	150-0012M	3	3	bromodichloromethane	5	0.066
150B	150-0012M	3	3	bromomethane	10	1
150B	150-0012M	3	3	carbon tetrachloride	5	0.057
150B	150-0012M	3	3	chlorodibromomethane	5	0.091
150B	150-0012M	3	3	chloroethane	10	2.9
150B	150-0012M	3	3	chloroform	5	0.45
150B	150-0012M	3	3	chloromethane	10	0.33
150B	150-0012M	3	3	methylene chloride	20	2.4

Table F-6
Soil Gas Samples With Reporting Limits Exceeding
Screening Criteria: Volatile Organic Compounds

EBS Parcel	Sample ID	Top Depth (feet)	Bottom Depth (feet)	Analyte	Reporting Limit (mg/m^3)	Shallow Soil Gas Residential (mg/m^3)
150B	150-0012M	3	3	tetrachloroethene	5	0.41
150B	150-0012M	3	3	trichloroethene	5	1.2
150B	150-0012M	3	3	vinyl chloride	10	0.032
150B	150-0013M	3	3	1,1,2,2-tetrachloroethane	5	0.043
150B	150-0013M	3	3	1,1,2-trichloroethane	5	0.15
150B	150-0013M	3	3	1,1-dichloroethane	5	1.5
150B	150-0013M	3	3	1,2-dichloroethane	5	0.12
150B	150-0013M	3	3	1,2-dichloropropane	5	0.24
150B	150-0013M	3	3	benzene	5	0.085
150B	150-0013M	3	3	bromodichloromethane	5	0.066
150B	150-0013M	3	3	bromomethane	10	1
150B	150-0013M	3	3	carbon tetrachloride	5	0.057
150B	150-0013M	3	3	chlorodibromomethane	5	0.091
150B	150-0013M	3	3	chloroethane	10	2.9
150B	150-0013M	3	3	chloroform	5	0.45
150B	150-0013M	3	3	chloromethane	10	0.33
150B	150-0013M	3	3	methylene chloride	20	2.4
150B	150-0013M	3	3	tetrachloroethene	5	0.41
150B	150-0013M	3	3	trichloroethene	5	1.2
150B	150-0013M	3	3	vinyl chloride	10	0.032
150B	150-0014M	3	3	1,1,2,2-tetrachloroethane	5	0.043
150B	150-0014M	3	3	1,1,2-trichloroethane	5	0.15
150B	150-0014M	3	3	1,1-dichloroethane	5	1.5
150B	150-0014M	3	3	1,2-dichloroethane	5	0.12
150B	150-0014M	3	3	1,2-dichloropropane	5	0.24
150B	150-0014M	3	3	benzene	5	0.085
150B	150-0014M	3	3	bromodichloromethane	5	0.066
150B	150-0014M	3	3	bromomethane	10	1
150B	150-0014M	3	3	carbon tetrachloride	5	0.057
150B	150-0014M	3	3	chlorodibromomethane	5	0.091
150B	150-0014M	3	3	chloroethane	10	2.9
150B	150-0014M	3	3	chloroform	5	0.45
150B	150-0014M	3	3	chloromethane	10	0.33
150B	150-0014M	3	3	methylene chloride	20	2.4
150B	150-0014M	3	3	tetrachloroethene	5	0.41
150B	150-0014M	3	3	trichloroethene	5	1.2
150B	150-0014M	3	3	vinyl chloride	10	0.032
150B	150-0015M	3	3	1,1,2,2-tetrachloroethane	5	0.043
150B	150-0015M	3	3	1,1,2-trichloroethane	5	0.15
150B	150-0015M	3	3	1,1-dichloroethane	5	1.5
150B	150-0015M	3	3	1,2-dichloroethane	5	0.12
150B	150-0015M	3	3	1,2-dichloropropane	5	0.24
150B	150-0015M	3	3	benzene	5	0.085
150B	150-0015M	3	3	bromodichloromethane	5	0.066
150B	150-0015M	3	3	bromomethane	10	1
150B	150-0015M	3	3	carbon tetrachloride	5	0.057
150B	150-0015M	3	3	chlorodibromomethane	5	0.091

Table F-6
Soil Gas Samples With Reporting Limits Exceeding
Screening Criteria: Volatile Organic Compounds

EBS Parcel	Sample ID	Top Depth (feet)	Bottom Depth (feet)	Analyte	Reporting Limit (mg/m^3)	Shallow Soil Gas Residential (mg/m^3)
150B	150-0015M	3	3	chloroethane	10	2.9
150B	150-0015M	3	3	chloroform	5	0.45
150B	150-0015M	3	3	chloromethane	10	0.33
150B	150-0015M	3	3	methylene chloride	20	2.4
150B	150-0015M	3	3	tetrachloroethene	5	0.41
150B	150-0015M	3	3	trichloroethene	5	1.2
150B	150-0015M	3	3	vinyl chloride	10	0.032

Acronyms/Abbreviations:
EBS – environmental baseline survey
mg/m^3 – milligrams per cubic meter

APPENDIX G

RESPONSES TO
REGULATORY AGENCY COMMENTS

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4 REGIONAL WATER QUALITY CONTROL BOARD

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U.S. ENVIRONMENTAL PROTECTION AGENCY

DRAFT OF RESPONSE TO COMMENTS* ON
DRAFT SITE INSPECTION REPORT, TRANSFER PARCEL EDC-12
ALAMEDA POINT, ALAMEDA, CALIFORNIA
DATED OCTOBER 2006
CTO-0085

Comments from U.S. EPA, X-M. Tran, 12/7/2006

GENERAL COMMENTS	RESPONSE TO GENERAL COMMENTS
General Comment 1. The text of Section 4 states "Appendix A presents the data used in this Site Investigation (SI) Report." However, it is difficult to determine which samples and concentrations presented in Appendix A, Table A-1 were actually used to evaluate site conditions. Additionally, not all samples included in Appendix A are listed on the Figures. This may be because the sample locations are being evaluated as a part of another IR site or Corrective Action Area (CAA); however, this is not clearly indicated in the tables in Appendix A. Perhaps samples not evaluated or included in this SI Report could be identified the tables in Appendix A or elsewhere in the report to avoid confusion.	**Response to General Comment 1.** The data excluded from the SI evaluation have been italicized in the Appendix A tables for clarification.
General Comment 2. Sample locations for samples collected from areas not addressed in this SI are not included in the Figures. Because these sample locations and their concentrations are unknown, it is not possible to evaluate whether additional sampling might be necessary in portions of Economic Development Conveyance (EDC)-12 that may be adjacent to these sampling locations. For example, it is important to know the location of a sample with concentrations that exceeded screening levels just outside the border of a Parcel within EDC-12 in order to determine whether additional investigation was warranted within the EDC-12 Parcel. Please include sample location information on the figures for samples collected near the borders of EDC-12, particularly if the sample concentration data is presented in Appendix A.	**Response to General Comment 2.** The IR sites or CAA sites located within or adjacent to the Transfer Parcel EDC-12 boundaries are being evaluated under the investigation of those sites. If contamination associated with the IR sites or CAAs is found to extend to Transfer Parcel EDC-12, the boundaries of those sites may be expanded to include the suspect area. It is beyond the scope of this SI to attempt to delineate the extent of contamination associated with IR or CAA sites. Sampling locations used in the site evaluation are presented in the SI report figures. As stated in the response to General Comment 1, data not included in the SI have been italicized in Appendix A for clarification.
General Comment 3. The SI Report indicates a zonewide assessment of potential impacts from the historical railroad was conducted at the site as a part of the environmental baseline survey (EBS); however, limited information is presented on this assessment in the text of this SI report. This railroad is generally located upgradient of EDC-12 and yet groundwater samples were not generally	**Response to General Comment 3.** The historical railroad lines at Alameda Point were addressed as a basewide concern in the EBS conducted between 1994 and 2001. The sampling conducted as part of this effort was not done on a parcel-by-parcel basis but rather by "zone." Therefore, the sampling locations selected were considered to be representative of the general area, or zone.

Comments from U.S. EPA, X-M. Tran, 12/7/2006

GENERAL COMMENTS	RESPONSE TO GENERAL COMMENTS
General Comment 3 (continued). collected as a part of the assessment. Please revise the report to include a discussion of the assessment of potential impacts from the historical railroad. Additionally, please revise the text to include recommendations to address potential groundwater impacts to parcels located downgradient of the railroad.	**Response to General Comment 3 (continued).** As stated in Section 3.1.1, sampling and analyses performed associated with the railroad was conducted in subphases including Phase 2A, which involved the collection of soil samples from target locations, and Phase 2B, which involved the collection of groundwater samples where necessary. The determination for additional sampling locations as part of Phase 2B was based on the assessment of soil data from Phase 2A. For example, if a contaminant of concern was encountered at a concentration above screening criteria in soil, groundwater sampling may have been recommended as part of Phase 2B. The SI included evaluation of the migration potential of contaminants of concern. For example, if a contaminant of concern has the potential to migrate into groundwater without being present in soil then groundwater sampling may have been warranted regardless of soil concentrations. The contaminants of concern associated with former railroad operations, including metals and TPH constituents, are not expected to migrate to groundwater without being present in soil. Therefore, the evaluation of railroad impacts conducted during the EBS, which was based on soil concentrations, was considered an appropriate approach for use in this SI. At Transfer Parcel EDC-12, samples collected to address the zonewide concern for railroad impacts did not indicate that there was a significant impact to underlying soil. Based on those findings and the limited migration potential of expected contaminants associated with railroad operations, potential impacts to the groundwater as a result of the historical railroad were not considered likely.
General Comment 4. Previous investigations focused largely on soil sampling beneath EDC-12; however, based on the information presented in this SI Report, there appears to be a lack of data to adequately assess groundwater conditions beneath the parcels. Please revise the recommendations to include additional groundwater sampling at a number of parcels, as detailed further in the specific comments section.	**Response to General Comment 4.** Comment noted. Please see responses to General Comment 5 and Specific Comments 8 through 19.

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GENERAL COMMENTS	RESPONSE TO GENERAL COMMENTS
General Comment 5. A number of parcels described in this SI Report were previous used for aircraft parking. Historically, aircraft were commonly washed down with trichloroethene (TCE) or other solvents in aircraft parking areas as a part of routine maintenance activities. Therefore, areas previously used for aircraft parking have the potential to be impacted by VOCs. The specific comments below address parcels that are recommended for further investigation based on this type of previous usage.	**Response to General Comment 5.** It was reported in the SI that Transfer Parcel EDC-12 was historically used for aircraft parking, maintenance, and washdown. Limited groundwater data has been collected in the portion of Transfer Parcel EDC-12 evaluated in this SI indicating a potential data gap for groundwater beneath the transfer parcel. Therefore, further evaluation of groundwater beneath Transfer Parcel EDC-12 that may have been impacted from historic aircraft maintenance and washdown is recommended. In order to identify the areas of Transfer Parcel EDC-12 with the highest likelihood of impact, aerial photographs between 1930 and 1963 were reviewed as part of the preparation of these RTCs. Based on this review, it appears that the northern and eastern portions of Transfer Parcel EDC-12 were used solely for aircraft parking with no significant staining observed; maintenance activities in these areas do not appear likely. However, maintenance activities appear to have been conducted south of Building 167 (EBS Parcels 154) and in the area to the west and south of IR Site 9 (currently included in the IR Site 9 investigation). Additionally, significant staining was observed in the southern portions of EBS Parcels 159 and 160. Based on these findings, the highest likelihood of impact from historic aircraft washdown and maintenance activities was identified as being located in EBS Parcels 154, 159, and 160. In response to regulatory agency concerns, the Navy will conduct an additional evaluation of areas where aircraft parking and staining may have occurred (including EBS Parcels 154, 159, and 160) at Transfer Parcel EDC-12. Therefore, further evaluation of groundwater is recommended in these areas. As a result, AOC 4 has been expanded to include the area east, west, and south of Building 167 at EBS Parcel 154, including the area downgradient of the building. Additionally, AOC 5 has been added to include the southern portion of EBS Parcel 159 and EBS Parcel 160 in its entirety. AOCs 4 and 5 are recommended to further evaluate the potential impacts to groundwater beneath Transfer Parcel EDC-12 as a result of historic aircraft maintenance and washdown.

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GENERAL COMMENTS	RESPONSE TO GENERAL COMMENTS
General Comment 6. It is clearly stated that no ecological risk assessment activities will be conducted for EDC-12 based on lack of sufficient ecological habitat. However, complete supporting information regarding the lack of ecological habitat is not provided in the SI Report, such as documentation, habitat maps, field notes, and pictures from the site visit conducted on June 16, 2004. Please revise the SI Report to include additional information to support the claim that sufficient ecological habitat does not exist at EDC-12. These revisions should include discussion detailing the information obtained from the 2004 site visit, and inclusion of that report as an Appendix in the SI Report. In addition, a detailed map should be provided to show the actual land use/habitat type for each "sub-parcel." For example, in Figure ES-2, the land use at Parcel 159 appears to be comprised of a few buildings and roads, with over approximately 95% of land use for the site remaining unknown. Information should also be included in the document to clarify the size of each sub-parcel, and the percent land use for each sub-parcel. Finally, in order to verify that there are no complete ecological exposure pathways at EDC-12, information in addition to Section 6.0 should be provided in the SI Report, following the format provided in *Appendix B, Representative Sampling Guidance Document, Volume 3: Biological*, in the 1997 *Ecological Risk Assessment Guidance for Superfund: Process for Designing and Conducting Ecological Risk Assessments* (EPA 540-R-97-006, June), specifically, *Appendix A – Checklist for Ecological Assessment/Sampling.* The SI Report should also indicate that appropriate personnel conducted the site visit (e.g., an experienced ecologist). Please revise the SI Report to address these issues.	**Response to General Comment 6.** Ecological habitat information is presented in Section 6.2, which indicates that 98 percent of Transfer Parcel EDC-12 is paved. The land use at the transfer parcel and in the surrounding area is industrial/commercial. No pictures or reports were prepared for the 2004 site visit. Figure 6-1 provides a detailed map of the land use and habitats at Transfer Parcel EDC-12. The EBS parcel boundaries will be added to Figure 6-1. The ecological habitat information for Transfer Parcel EDC-12 is presented in Section 6.2 and Figure 6-1, showing the commercial/industrial setting of Transfer Parcel EDC-12 and surrounding area. The ecological evaluation presented in Section 6 follows the streamlined ecological evaluation protocol agreed to by the Navy and regulatory agencies in 2004 (Attachment 1 to this RTC document). The streamlined ecological evaluation protocol will be included as Attachment C to the SI. No documentation or reports were prepared for the 2004 site visit. Ecological information for Alameda Point presented in U.S. Fish and Wildlife Service (1998) as well as other documents listed in Section 6 was used for this evaluation.
General Comment 7. Of the 54 acres that comprise EDC-12, one acre has been designated as "urban" habitat. However, it is not clear where this habitat is located, the type of ecological features present within this area (e.g., contiguous lawn/field, shrub complexes, stands of trees, among others), if there are soil sampling results from this area, and complete information why this area is not considered	**Response to General Comment 7.** The location of the approximate 1-acre area designated as urban habitat is shown on Figure 6-1. This 1-acre area is composed of bare soil with sparse grass coverage surrounded by an industrial/commercial area. Because of the poor quality of this habitat, potential exposure pathways are considered incomplete for special-status species. In addition, due to the poor habitat

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GENERAL COMMENTS	RESPONSE TO GENERAL COMMENTS
General Comment 7 (continued). a potentially complete exposure pathway to ecological receptors has not been provided. In addition, as noted within the SI Report, urban habitat can provide a travel corridor for ecological receptors. Therefore it is important to understand the spatial relationship of this corridor habitat to other more important habitats (e.g., grassland, coastal shrub-scrub, and wetland habitats) in order to establish the ecological value for the corridor habitat as a whole. Provision of this information will clarify if this urban habitat represents a concern for ecological receptors, and will aid in determining if a screening-level ecological risk assessment (SLERA) is necessary. Please revise the SI Report to provide this information.	**Response to General Comment 7 (continued).** quality, the potential exposure pathways at the 1-acre area were considered to represent a minor exposure potential for incidental visits by other ecological receptors. The following text will be added as the third sentence of Section 6.1.1.2 (Urban Habitat): "At Transfer Parcel EDC-12, urban habitat includes narrow strips of unpaved areas in the northern portion of the site which are also characterized by non-native grasslands."
General Comment 8. It does not appear that discussion has been included in the SI Report regarding future use of EDC-12, including information on how the site will be managed such that all potential pathways to ecological receptors will remain incomplete once the EDC-12 is transferred. Although complete exposure pathways might not presently exist, changes in land use could result in ecological exposures to contaminated soils, and therefore these potential pathways must be addressed in some fashion (e.g., deed restrictions, institutional controls). Please revise the SI Report to include a discussion of potential future ecological exposures, and how this concern will be addressed.	**Response to General Comment 8.** According to the Alameda Point General Plan (LSA 2002), the Transfer Parcel EDC-12 area is designated as the "marina district" and future use is described as "mixed use," including commercial, industrial, residential, and recreational uses. If the site is used in the future as described in the General Plan, there would be no potential future ecological exposures.
General Comment 9. The SI Report does not include complete information on the precipitation-driven runoff and ground water to surface water discharge pathways. It is important to address these pathways as contaminants can be transported from EDC-12 via precipitation-driven runoff and associated soil (sediment) loads, contaminated subsurface soil to groundwater, or groundwater to surface water pathways. These contaminated media may be discharged to surface water bodies such as the Oakland Inner Harbor or San Francisco Bay and therefore represent a potential ecological exposure pathway. Please modify the SI Report to discuss these potential ecological exposure pathways.	**Response to General Comment 9** Since Transfer Parcel EDC-12 is 98 percent paved, precipitation (runoff or precipitation) is not expected to represent a transport mechanism. Precipitation is directed to storm drains, which are monitored under a separate program (see Section 6.2.4). Additionally, known groundwater plumes are being addressed by investigations at IR Sites 9 and 16. Consistent with the scope of this SI, stormwater runoff and groundwater concerns were not evaluated in this SI report because they are being addressed in separate programs. A discussion of potential future ecological exposure pathways is beyond the scope of an SI.

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GENERAL COMMENTS	RESPONSE TO GENERAL COMMENTS
General Comment 10. It is stated in the text that no sensitive habitats or Threatened and Endangered (T&E) species occur in the EDC-12 Parcel. No information is provided in the SI Report detailing how this determination was made, such as results of site-specific sensitive habitat and T&E surveys, documentation of data base searches, and consultations with appropriate local, state, and federal government agencies, among others. Therefore, it is not possible to corroborate the claim that no sensitive habitats or T&E species exist at or near the site. Please revise the SI Report to include this information.	**Response to General Comment 10.** The ecological habitat information for Transfer Parcel EDC-12 presented in Section 6.2 and Figure 6-1 discusses the commercial/industrial setting of Transfer Parcel EDC-12 and the surrounding area, as well as the 98 percent pavement cover at Transfer Parcel EDC-12. Existing ecological information from published reports is also summarized and included in the SI report. Ecological information for Alameda Point presented in U.S. Fish and Wildlife Service (1998) as well as other documents listed in Section 6 were used for the evaluation in the SI report. No additional site-specific sensitive habitat and/or T&E surveys were performed, as those activities are beyond the scope of an SI.

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SPECIFIC COMMENTS	RESPONSE TO SPECIFIC COMMENTS
Specific Comment 1. **Section 1.4, Transfer Parcel EDC-12 Description and History, Page 1-3 and Figure 1-3, Transfer Parcel EDC-12 and Adjacent Areas:** The text states that certain EBS parcels within the CAAs are not included in this report, but Figure 1-3 does not include the EBS parcel numbers and there are no Section 1 figures with EBS parcel numbers, so it is difficult to follow the text in this section. Please revise Figure 1-3 to include EBS parcel numbers.	**Response to Specific Comment 1.** EBS parcel boundaries and numbers have been added to Figure 1-3.
Specific Comment 2. **Executive Summary, Page ES-2; Section 4.0, Evaluation of Existing Data, Page 4-2; Section 4.5, Metals, Page 4-4; Table 3-3, Background Levels of Metals in Shallow Groundwater at Alameda Point; and Appendix A, Table A-1 Groundwater Samples, Page 16:** The text of the SI Report indicated in several cases that groundwater screening levels were not exceeded; however, several groundwater samples listed in Appendix A, Table A-1 had concentrations greater than screening criteria. The first sentence in Section 4.5 states, "No metals were reported in groundwater at concentrations above screening criteria (including background levels)." However, groundwater sample 37-MW-MW1-D4632 collected from station 37-MJ-MW1 in EBS Parcel 138 had a zinc concentration of 200 µg/L, which exceeds the background level for zinc of 36.39 µg/L. In addition, several grab groundwater samples from EBS parcel 138 had several metals at concentrations that exceeded the background levels. Please revise the text to acknowledge these exceedances. In addition, groundwater samples 030-CAP-167 collected from station CA11-21, 030-CAP-168 collected from station CA11-22, 030-CAP-169 collected from station CA11-23, and 030-CAP-170 collected from station CA11-24, in EBS Parcel 155C had gasoline concentrations of 4600 µg/L, 36,000 µg/L, 5,000 µg/L, and 32,000 µg/L, respectively. These concentrations exceed the environmental screening levels (ESLs) of 100 µg/L. These samples may be among those being evaluated separately as part of CAA-11B; however, it would be helpful if these were clearly identified in the table.	**Response to Specific Comment 2.** The groundwater samples and their analytical results referred to in Specific Comment 2 were collected from locations within CAA-11B and therefore are not included in this SI evaluation, including the metals and gasoline. This area has already been identified as requiring investigation as part of the TPH Program. These data have been italicized in Appendix A for clarification. The following text has been added as the second to last sentence of Section 4 (Evaluation of Existing Analytical Data): "It should also be noted that groundwater samples collected from locations within corrective action areas were also excluded from the evaluation; groundwater in these areas will be addressed as part of the activities at these corrective action areas." Please note that although zinc does not have a California MCL, there is a secondary MCL for zinc of 5,000 µg/L. Since the concentrations of zinc are significantly below this value, it does not appear to be a CERCLA or petroleum program issue. Please also see response to General Comment 1.

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Specific Comment 3. **Section 4.0, Evaluation of Existing Analytical Data, Page 4-1:** The third bullet on page 4-1 states that only the most recent groundwater data for each analyte was presented in this report. This approach does not take potential seasonal fluctuations of groundwater contaminant concentrations into account. Please include a general discussion of contaminant concentration trends and confirm that these trends are stable and that groundwater contaminants are not prone to seasonal fluctuations.	**Response to Specific Comment 3.** There are no monitoring wells located within the portion of Transfer Parcel EDC-12 evaluated in this SI. Only grab groundwater samples have been collected in the evaluation area. Therefore, an evaluation of seasonal fluctuations is currently not possible for Transfer Parcel EDC-12. Monitoring wells are located within the portion of Transfer Parcel EDC-12 excluded from the SI evaluation but are located within CAAs 9A, 11A, and 11B, and the areas being evaluated as part of the IR Sites 9 and 16 investigations. The most recent round of data from these wells has been provided in Appendix A for completeness only, but the data are not evaluated in the SI. An analysis of the groundwater data from these wells is available in the basewide groundwater monitoring reports (Shaw 2005, ITSI 2006). For clarification, the sentences preceding the first bulleted list on page 4-1 have been replaced with the following: "Analytical data for Transfer Parcel EDC-12 are presented in Appendix A. These data include results for all areas of the transfer parcel, including those not being evaluated in this SI Report. Appendix A includes the following:" Additionally, a figure has been added to Section 4 that depicts the areas included and excluded from the SI evaluation.
Specific Comment 4. **Section 4.0, Evaluation of Existing Data, Page 4-2; Table 2-3, Background Levels of Metals in Shallow Groundwater at Alameda Point; and Appendix A, Tables A-2 (Soil Samples EBS Parcels 138, 140, 141, 150, 150B, and 151) and A-3 (Soil Samples EBS Parcels 153, 154, 155C, 159, 201, and 202):** A number of soil samples presented in Tables A-2 and A-3 contained concentrations that exceeded screening levels. These samples were not addressed in Section 4, possibly because they were included as part of the investigations in other IR sites or CAAs. However, this is not clearly stated in the text or tables and creates confusion. Please clarify why the following exceedences were not addressed in the text. If the samples were addressed as a	**Response to Specific Comment 4.** Please see response to General Comment 1 regarding data in Appendix A. The potential impact to soil and groundwater from historical site activities in areas with little or no analytical data was carefully evaluated for each EBS parcel using information available in historical documents as part of this SI. It is beyond the scope of this SI to attempt to delineate the extent of contamination at adjacent or nearby CAA or IR sites. If contamination from the CAA or IR sites is found to extend to Transfer Parcel EDC-12, the boundaries of those sites will be expanded to include the suspect area. Limited analytical data at EBS parcels within Transfer Parcel EDC-12 were only

SPECIFIC COMMENTS	RESPONSE TO SPECIFIC COMMENTS
Specific Comment 4 (continued). part of other sites, please identify these samples on Tables A-2 and A-3, or prepare a separate table summarizing these exclusions. Lack of sample results from these EBS Parcels represents a data gap in the HHRA the severity of which can only be estimated based on the 1994 EBS visual inspection reports, reported historical activities and sufficiently characterized adjacent IR sites and/or EBS Parcels. HERD recommends that thehuman health risk and/or hazard for adjacent IR sites or EBS Parcels be seriously considered for the above-listed EBS Parcels to evaluate the significance of this data gap. Soil sample 030-S07-008 collected from Station 030-S07-008 in EBS Parcel 155C had a gasoline concentration of 2,000 milligrams per kilogram (mg/kg) which is above the residential and industrial ESLs of 100 mg/kg (Table A-3, page 56). Soil samples 150-0017 and 150-0017M collected from Station 150-Z19-017 in EBS Parcel 150 had motor oil concentrations of 6,200 mg/kg and 50,000 mg/kg, respectively, which are above the residential ESL of 500 mg/kg and the industrial ESL of 1,000 mg/kg. (Table A-2, page 62) Soil sample 584-IZ collected from Station 584-1-MOJ in EBS Parcel 150 had a diesel concentration of 1,500 mg/kg which is above the residential ESL of 500 mg/kg and the industrial ESL of 1,000 mg/kg (Table A-2, page 68). Soil samples 584-MW1V (Station 584-MW1), 584-MW2V (Station 584-MW2), and 584-MW3V (Station 584-MW3) in EBS Parcel 150 each had benzene concentrations of 6 mg/kg which is above the residential preliminary remediation goal (PRG) of 0.64 mg/kg and the industrial PRG of 1.4 mg/kg for benzene (Table A-2, page 73).	**Response to Specific Comment 4 (continued).** considered a data gap if historical activities or reviewed documentation indicated a potential release to soil or groundwater. As stated in Section 1.4, areas being investigated as part of the TPH Program are not included in this SI report. All of the locations/samples listed in Specific Comment 4 are located within CAAs and are therefore not included in this SI evaluation. The samples are within the following CAAs: • Sample 030-S07-008 is located in CAA-11B. • Samples 150-0017 and 150-0017M are located in CAA-9A. • Samples from wells 584-MW1 through 584-MW3 and location 584-1-MOJ are located in CAA-9A. The data from these samples has been italicized in Appendix A for clarification.

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Specific Comment 5. **Figure 4-1, Sampling Locations in Transfer Parcel EDC-12; and Appendix A, Table A-2, Soil Samples EBS Parcels 138, 140, 141, 150, 150B, and 151; Page 74:** Soil samples 584-E (Station 584-E), and 584-W (Station 584-W) in EBS Parcel 150 both had diesel, gasoline, jet fuel #5 (JP-5), and motor oil concentrations above the ESLs. These may be outside of the scope of this SI Report, but including their locations on Figure 4-1 would be useful in order to determine their locations relative to Parcel 150 and whether parts of Parcel 150 near them would require additional investigation.	**Response to Specific Comment 5.** As requested, the locations of 584-E and 584-W have been added to Figure 4-1.
Specific Comment 6. **Figure 4-1, Sampling Locations in Transfer Parcel EDC-12; Figure 7-1, Areas Recommended for No Further Evaluation and Areas of Concern; Attachment A, Figure B3-1, SWMUs Located Within EDC Parcel 12; and Attachment A, Figure B3-3, EBS Parcel 150 Sampling Results:** The placement of generator accumulation Point (GAP) 621 is inconsistent on these figures. Figures 4-1 and 7-1 place GAP 621 off the northwest corner of Building 621, but Figures B3-1 and B3-3 place GAP 621 off the northeast corner of Building 621. It is important to resolve this discrepancy because samples have not been collected northwest of Building 621, indicating that there may not be any samples to evaluate this GAP, which was used for hazardous waste storage. In addition, since the location appears to be uncertain, soil and groundwater samples should be collected northwest of Building 621 to confirm that the GAP was not located in this area. Please resolve this discrepancy and recommend sampling northwest of Building 621.	**Response to Specific Comment 6.** Figures for this SI report were generated using the ArcView query station database. GAP 621 was shown as located outside the northwestern corner of Building 621 in this database. However, a review of the EBS and SWMU reports indicated that GAP 621 was located in the northeastern corner of the building. In order to resolve this discrepancy, aerial photographs from 1992 to 1994 were reviewed during the preparation of these RTCs. In addition, there was no evidence of the location of GAP 621 observed during the site visit conducted during the preparation of these RTCs. Temporary structures potentially related to the GAP site were observed in the aerial photographs. The location of GAP 621 indicated by the EBS and SWMU reports has been depicted on the figures in this SI report. As shown on Figure 7-1, both the northeastern and northwestern corners of Building 621 (potential former locations of GAP 621) are located within AOC 2 and are recommended for further evaluation.

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SPECIFIC COMMENTS	RESPONSE TO SPECIFIC COMMENTS
Specific Comment 7. **Section 7.3, EBS Parcel 141, Page 7-2:** The text recommends no further evaluation for EBS Parcel 141; however, it appears additional investigation is warranted. Ordnance was reportedly historically stored at the warehouse on this parcel. While ordnance may have been observed to be stored properly during the 1994 EBS, this does not necessarily indicate that this was the case historically. Please revise the text to include additional assessment to evaluate potential impacts from ordnance storage at the site. Additionally, EBS Parcel 141 is located downgradient of the historical railroad. The soil samples collected to assess impacts from this railroad were shallow (1.5 to 2 feet below ground surface (ft bgs) and 2 to 2.5 ft bgs) and groundwater was not sampled during this investigation. Please revise the text to recommend assessment of impacts to groundwater from the historical railroad tracks.	**Response to Specific Comment 7.** Ordnance was stored at Building 169 for approximately 12 years. Historical records for the building, including spill reports and chemical inventories, were reviewed which indicated that the ordnance stored at the building entered and exited the building in packaged condition and that no historic spills had occurred. Additionally, during the EBS investigation at Building 169, located in EBS Parcel 141, ordnance was observed to be properly stored and there was no staining observed. The floor of the building was not noted to be recently repaved. Based on the findings of the EBS, it is unlikely that ordnance storage impacted the subsurface beneath Building 169. Therefore, further evaluation is not warranted. Regarding groundwater sampling to assess impacts from historical railroad tracks, please see the response to General Comment 3.
Specific Comment 8. **Section 7.4, EBS Parcel 150, Page 7-2:** The text recommends additional investigation at EBS Parcel 150, where site activities reportedly included aircraft parking and hazardous waste storage. Based on the description provided in Section 3.2.6, the location of the aircraft parking area within Parcel 150 is unclear. Historically, aircraft were commonly sprayed with TCE or other solvents in parking areas; therefore soil and groundwater beneath Parcel 150 may be impacted by VOCs, but the only parcel-wide sampling was for polynuclear aromatic hydrocarbons (PAHs). Little groundwater data appears to have been collected in Parcel 150; groundwater sample locations appear to have been concentrated in CAA-9. With the exception of the storm sewer investigation samples, no samples have been collected west and downgradient of GAP 621 and Building 621. Additional soil sampling in the central portion of the site, east of Building 612, is also warranted as this area has not been addressed. Previous sampling in this area of Parcel 150 did not include VOC analysis. Please expand the area of area of concern (AOC) 2 to the west and south on Figure 7-1 and revise the text to include additional soil and groundwater sample collection throughout this area.	**Response to Specific Comment 8.** Regarding historical aircraft parking, please see response to General Comment 5. Regarding the area west and downgradient of GAP 621- As stated in paragraph 3 of Section 7: "The sizes and shapes of the AOCs were estimated to indicate their general locations but were not intended to define the potential extent of contamination; the actual sizes and shapes of the AOCs will be delineated when the AOCs are investigated further." However, the Navy will consider EPA's request to evaluate the area downgradient of GAP 621 upon further evaluation of AOC 2. Further evaluation is not warranted in the central portion of EBS Parcel 150 because historical site activities do not indicate potential releases this area. Please see response to General Comment 5 regarding historical aircraft parking in the general area.

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Specific Comment 9. **Section 7.5, EBS Parcel 150B, Page 7-2:** The text recommends additional investigation in AOCs 2 and 3 of Parcel 150B to further delineate total petroleum hydrocarbons-motor oil (TPH-mo); however, additional investigation throughout Parcel 150B is necessary is well. Groundwater sampling apparently has only been conducted in the eastern portion of the parcel. Parcel 150B was reportedly used for aircraft parking and hazardous waste storage and spills could have been associated with railroad operation; therefore, the potential exists for groundwater beneath Parcel 150B to be impacted by VOCs. Please revise the recommendation to include groundwater sampling in the central and western portions of Parcel 150B. Additional assessment of soil beneath Parcel 150B is also warranted. Previous sampling events did not appear include the collection of samples at various depths. For example, a number of soil samples appear to have been analyzed at the 4 to 4.5 feet bgs interval only, other locations were only sampled near the surface. Additionally, due to the nature of previous activities at the site (aircraft parking and hazardous materials storage); samples should have been analyzed for VOCs. Please revise the recommendation to include additional investigation on the north and eastern portions of the parcel at various depths; this should include VOC analysis of samples. In addition, chloroform exceeded the soil gas screening criteria in Parcel 150B but a number of VOCs (presented in Appendix F) had laboratory reporting limits that were higher than their soil gas ESLs for Parcel 150B. The text does not propose additional soil gas investigation in this area; however, there appears to be the potential for other exceedances of screening criteria for VOCs if lower laboratory reporting limits were available. Please address this concern if VOC soil gas data are to be used to for decision-making purposes at Parcel 150B.	**Response to Specific Comment 9.** As described in Section 3.2.7, groundwater beneath EBS Parcel 150B is being investigated as part of IR Site 16. If groundwater contamination is found to extend further under EBS Parcel 150B, the IR Site 16 investigation will address this issue. Regarding potential impacts from historical railroad tracks, please see response to General Comment 3. Aircraft parking activities occurred historically at EBS Parcel 150B. However, as stated in the response to General Comment 5, the most significant activities at the transfer parcel, including aircraft maintenance and washdown, occurred at EBS Parcels 154 and 159. Therefore, further evaluation of potential impacts from historic aircraft washdown and maintenance activities will be evaluated as part of AOCs 4 and 5, which are considered to represent the highest likelihood of impact. Regarding the collection of samples for VOC analysis at various depths: soil sampling and analysis conducted during the EBS was part of a targeted sampling approach that evaluated potential impacts and appropriate sampling depths. Many locations targeting potential VOC impacts did not include surface soil samples because VOC analysis in surface soil would not be appropriate due to volatilization. Groundwater in the central and eastern portions of EBS Parcel 150B is being evaluated under the IR Site 16 investigation. This includes the sampling location with the elevated chloroform detection. As stated in Section 5.4, groundwater data for Parcel 150B were not included in the human-health risk evaluation because they are included within the boundaries of the IR Site 16 groundwater plume. In accordance with DTSC guidance, it is understood that soil gas samples collected in areas with shallow groundwater may not be representative of actual soil gas concentrations and thus the use of groundwater data rather than soil gas data to assess vapor migration may be preferred.

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Specific Comment 10. **Section 7.6, EBS Parcel 151, Page 7-3:** The text recommends additional soil sampling at Parcel 151, but states that groundwater on the eastern portion of the Parcel is being addressed as part of the IR Site 16 groundwater, but no groundwater data exists for the remaining portion of the parcel. This parcel was also used for aircraft parking. Please revise the recommendation to include groundwater sampling in conjunction with the additional soil assessment. In addition, since it was observed that copper green preservative was also used on wood stored in this area, the area investigated for creosote should also include sampling and analysis for wood preservative chemicals like copper and arsenic. Please revise the recommendation to include analysis of metals used for wood treatment.	**Response to Specific Comment 10.** Aircraft parking activities occurred historically at EBS Parcel 151. However, as stated in the response to General Comment 5, the most significant activities at the transfer parcel, including aircraft washdown and maintenance, occurred at EBS Parcels 154 and 159. Therefore, further evaluation of potential impacts from historic aircraft washdown and maintenance activities will be evaluated as part of AOCs 4 and 5, which are considered to represent the highest likelihood of impact. Several soil samples were collected in the wood treatment area as part of the targeted sampling conducted during the EBS and analyzed for metals and SVOCs. Metals and SVOCs were reported in these samples at concentrations below screening criteria. Further evaluation was recommended in this area, however, because the detection limits for several SVOCs (including PAHs) in soil exceeded screening criteria. Detection limits for the metals analyzed were below screening criteria. Therefore, a data gap does not exist for metals in soil in the wood treatment area.
Specific Comment 11. **Section 7.7, EBS Parcel 153, Page 7-3:** The text recommends additional investigation at EBS Parcel 153 to further delineate TPH-mo, but sampling for VOCs at various depths is warranted at the site due to previous site uses such as aircraft parking. Potential impacts to soil from the former railroad passing through the southeastern portion of the parcel should be addressed as well. Staining was noted in the vicinity of the railroad tracks; these stained areas merit further evaluation. Please revise the text to include additional assessment for VOCs in soil and for impacts from the railroad at Parcel 153. Groundwater beneath Parcel 153 will continue to be addressed as a portion of IR Site 9.	**Response to Specific Comment 11.** See responses to General Comment 3 regarding historical railroad tracks. Aircraft parking activities occurred historically at EBS Parcel 153. However, as stated in the response to General Comment 5, the most significant activities at the transfer parcel, including aircraft washdown and maintenance, occurred at EBS Parcels 154 and 159. Therefore, further evaluation of potential impacts from historic aircraft washdown and maintenance activities will be evaluated as part of AOCs 4 and 5, which are considered to represent the highest likelihood of impact.

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Specific Comment 12. **Section 7.8, EBS Parcel 154, Page 7-4:** The recommendation for the delineation of TPH in AOC 4 is insufficient. The text states that groundwater beneath Parcel 154 will continue to be addressed as part of IR Site 9. However, with the exception of samples 154-0031, 154-0033, and 154-0035, which appear to be located within approximately 20 feet of one another, groundwater samples were only collected in the Adjacent IR Site 9 Groundwater Study Area. Groundwater beneath the remainder of Parcel 154 does not appear to have been addressed. Please revise the text to include recommendations for additional groundwater sampling throughout Parcel 154. In addition, since a hose was detached each time the tanker truck (GAP 69) used to collect corrosive waste with heavy metals was moved to drive the tank to industrial waste treatment plan (IWTP) 5 to empty the contents of the truck, it is possible that contaminants remaining in the hose were released at GAP 69. Soil and groundwater sampling is needed to evaluate the potential for releases. Please recommend soil and groundwater sampling in the vicinity of GAP 69.	**Response to Specific Comment 12.** The boundary of AOC 4 has been expanded to include the area surrounding Building 167 to the west, east, and south, and includes the area downgradient of the building. The boundary has been expanded in order to assess potential impacts to groundwater from historic aircraft washdown and maintenance activities. Additional groundwater samples may be collected during the evaluation of AOC 4; however, the necessity for collection of groundwater samples will be determined during the additional evaluation phase recommended in this SI. GAP 69 is included in AOC 4, recommended in this SI as requiring additional evaluation. As stated in Section 7.8, AOC 4 is partially identified to address the absence of sampling at GAP 69. Recommending additional sampling or specifying sampling media or sample analyses is beyond the scope of this SI. However the Navy will consider this comment during the evaluation of AOC 4.
Specific Comment 13. **Section 7.9, EBS Parcel 155, Page 7-4:** The text recommends no further evaluation of EBS Parcel 155 based on its historical usage, but operations along the railroad that formerly ran through the parcel could have been a source of contamination. Please revise the text to include assessment of environmental conditions in the vicinity of the railroad, including soil and groundwater sampling.	**Response to Specific Comment 13.** Please see response to General Comment 3 regarding historical railroad tracks. As stated in Section 7.9, there were no known chemical storage, spills, or leaks at EBS Parcel 155. Based on these findings, further evaluation is not warranted.
Specific Comment 14. **Section 7.10, EBS Parcel 159, Page 7-4:** The text recommends no further evaluation of EBS Parcel 159; however past usage of the property indicates additional assessment is warranted. The absence of visual staining alone is not an acceptable justification for no further sampling. Historical uses included aircraft parking and generation of oily waste. Few samples at the site were analyzed for VOCs; however, as previously mentioned, maintenance and cleaning procedures associated with historic aircraft parking areas can result in	**Response to Specific Comment 14.** Regarding aircraft parking activities that have occurred historically at EBS Parcel 159, please refer to the response to General Comment 5. The southern portion of EBS Parcel 159 has been included in AOC 5 to evaluate potential impacts to groundwater from historic aircraft washdown and maintenance activities. Regarding sample 159-006M: TPH as motor oil was reported in soil at location 159-006M at a concentration of 510 mg/kg. This concentration

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Specific Comment 14 (continued). potential VOC contamination of soil and groundwater. In addition, soil sample 159-0006M had a TPH-mo concentration of 510 mg/kg, slightly exceeding the residential screening level. No other samples were collected in the vicinity of this sample, or at other depths; therefore additional sampling in this area is also needed to delineate the extent of contamination. No groundwater samples appear to have been collected at Parcel 159. This area lies downgradient of other parcels and AOCs and groundwater should be addressed both to determine site-specific impacts and potential migration of contaminants from upgradient sources. Please revise the text to include additional soil and groundwater sampling at Parcel 159.	**Specific Comment 14 (continued).** exceeded the residential screening criteria by 10 mg/kg and was below the industrial screening criterion of 1,000 mg/kg. This sample was collected as part of a zone-wide sampling effort conducted during the EBS which looked at impacts from railroad activities from a zone-wide perspective. Locations presenting the highest likelihood of impact that were located adjacent to the railroad were selected for sampling during this zone-wide effort and results were considered to be representative of the worst case scenario. Overall, the EBS found that there was no significant impact to underlying soil and groundwater (please see response to General Comment 3). Based on the reported concentration being only 10 mg/kg over the residential screening criterion, it is considered likely that soil in the vicinity of this sample, and a further distance from the railroad, would be below the residential screening criterion. Additionally, other chemicals analyzed at this location (including SVOCs, PCBs, lead, and other TPH constituents) were reported at concentrations below residential screening criteria. The elevated TPH-motor oil concentration reported at location 159-0006M is likely an isolated occurrence limited to TPH as motor oil that represents the worst-case scenario. No further evaluation is warranted based on TPH as motor oil reported at this location.
Specific Comment 15. **Section 7.11, EBS Parcel 160, Page 7-5:** The text recommends no further evaluation at Parcel 160 based on historical usage, but the parcel was formerly used for aircraft parking. Please revise to the text to include recommendations for soil and groundwater sampling in the aircraft parking area.	**Response to Specific Comment 15.** Aircraft parking activities occurred historically at EBS Parcel 160. However, as stated in the response to General Comment 5, the most significant activities at the transfer parcel, including aircraft washdown and maintenance, occurred at EBS Parcels 154 and 159. However, in response to regulatory agency concerns, the Navy will conduct an additional evaluation of areas where aircraft parking and staining may have occurred throughout Transfer Parcel EDC-12.

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Specific Comment 16. **Section 7.12, EBS Parcel 164, Page 7-5:** The text recommends no further evaluation at Parcel 164 because it is completely occupied by a building and there is no history of hazardous materials storage or spillage at the property. However, due to its location downgradient of IR Site 19 and potentially downgradient of CAA-4B, groundwater beneath the site may be impacted. Please revise the text to include further evaluation of groundwater, or state that groundwater beneath the site will be evaluated as part of another site investigation.	**Response to Specific Comment 16.** It is beyond the scope of this SI to delineate the nature and extent of contamination at IR sites located outside the transfer parcel boundary. If contamination at IR Site 19 or CAA-4B is found to extend into the transfer parcel, the IR or CAA boundary will be expanded to include the suspect area.
Specific Comment 17. **Section 7.13, EBS Parcel 199, Page 7-5:** The text recommends no further evaluation at Parcel 199 based on historical usage, but this parcel was formerly used for aircraft parking. Please revise to the text to include recommendations for soil and groundwater sampling in the areas used for aircraft parking.	**Response to Specific Comment 17.** Aircraft parking activities occurred historically at EBS Parcel 199. However, as stated in the response to General Comment 5, the most significant activities at the transfer parcel, including aircraft washdown and maintenance, occurred at EBS Parcels 154 and 159. Therefore, further evaluation of potential impacts from historic aircraft washdown and maintenance activities will be evaluated as part of AOCs 4 and 5, which are considered to represent the highest likelihood of impact. However, in response to regulatory agency concerns, the Navy will conduct an additional evaluation of areas where aircraft parking and staining may have occurred throughout Transfer Parcel EDC-12.

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Specific Comment 18. **Section 7.14, EBS Parcel 201, Page 7-5:** The text recommends no further evaluation and states that groundwater in the eastern portion of Parcel 201 will be addressed as part of IR Site 9, but no groundwater data is available for the remainder of the site that is not part of the IR Site 9 groundwater plume assessment. Please revise the text to include groundwater sampling in the western and central portions of Parcel 201.	**Response to Specific Comment 18.** Several surface soil and subsurface soil samples were collected and analyzed at EBS Parcel 201 during Phase 1 of the EBS to address the potential for a release associated with historical activities. During this sampling event, no chemicals were reported in soil at concentrations exceeding screening criteria. Based on these findings, additional sampling during the Phase 2 event was not recommended. Additionally, based on the low concentrations reported in soil, it is unlikely that there was a release to soil as a result of site activities. However, as stated in the response to General Comment 5, the boundary of AOC 4 has been expanded and currently includes the area downgradient of EBS Parcel 201.
Specific Comment 19. **Section 7.15, EBS Parcel 202, Page 7-5:** The text recommends no further evaluation for Parcel 202, as the majority of this parcel is being addressed as part of CAA-9A. However, the text in Section 3.2.18 states that Parcel 202 was historically used for aircraft parking but does not specify where this occurred within Parcel 202. No samples were collected in the areas outside of CAA-9A. Because aircraft parking may have occurred in the open space at Parcel 202 and no assessment of the open space subsurface has occurred, additional soil and groundwater investigation is warranted. In addition, it appears that potential releases of the corrosion inhibiting chemicals in the wastewater stored in AST 584 have not been investigated. Since hexavalent chromium could have been used as a corrosion inhibiting chemical, soil and groundwater samples for analysis of hexavalent chromium and other corrosion inhibiting chemicals should be collected in the vicinity of this AST. Please revise the text to include a recommendation for additional soil and groundwater investigation in the open space areas of Parcel 202 and in the vicinity of AST 584.	**Response to Specific Comment 19.** Regarding aircraft parking activities that have occurred historically at EBS Parcel 159, please refer to the response to General Comment 5. Potential impacts to groundwater at Transfer Parcel EDC-12 will be evaluated, as stated in the response to General Comment 5. Although AST-584 is located within the boundaries of CAA-9A, it is not currently being investigated under the TPH program because there is no historical documentation that it was used for the storage of petroleum hydrocarbons. The draft final SI was revised to recommend that additional evaluations of the tank be conducted in order to demonstrate that the tank is ready for closure. A new AOC (AOC 6) will be added to address the additional evaluation of AST-584.

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Specific Comment 20. **Figure 7-1, Areas Recommended for No Further Evaluation and Areas of Concern:** In the legend of Figure 7-1, the symbols used to depict locations where "Detected TPH Concentration Exceeds Residential Soil ESL" and "Detected TPH Concentration Exceeds Industrial and Residential Soil ESLs" appear to have been reversed. For example, sample 159-006M, the only sample that should be designated as "Detected TPH Concentration Exceeds Residential Soil ESL," is instead designated as "Detected TPH Concentration Exceeds Industrial and Residential Soil ESLs." Please address this discrepancy.	**Response to Specific Comment 20.** The symbols on Figure 7-1 have been corrected to address this discrepancy.
Specific Comment 21. **Attachment A, Table B3-1, Page 1:** It is unclear why the text in the data analysis section refers to GAP 612, rather than to GAP 621. Please verify that there was no GAP associated with Building 612 and also verify that this text describes GAP 621. Since there is a discrepancy in the location of this GAP on Figures 4-1 and 7-1, compared to the location as depicted on Figures B3-1 and B3-3, please also verify the location of GAP 621.	**Response to Specific Comment 21.** See response to Specific Comment 6 regarding the location of GAP 621, and response to Specific Comment 22 regarding the SWMU Report (Attachment A).
Specific Comment 22. **Attachment A, Table B3-1, Page 1:** The text requests no further action (NFA) for GAP 621 based on two soil samples collected at 4-4.5 feet bgs that were non-detect for VOCs. However, the text indicates that additional assessment is warranted in this area (AOC 2) due to elevated TPH in soil as well as the limited analyses performed near GAP 621. Additional soil and groundwater sampling is warranted in this area to more fully evaluate conditions near GAP 621. Please revise the text for GAP 621 to recommend further evaluation.	**Response to Specific Comment 22.** The SWMU report presented in Attachment A was prepared by another Navy contractor. Conclusions made as part of that summary report were accurate based on the information available and the agreements between the Navy and regulatory agencies at that time. Therefore, Attachment A accurately represents the findings of the SWMU evaluation and revisions to that document are not necessary. This SI report, however, will serve as the most current recommendations for SWMUs at Transfer Parcel EDC-12.

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Specific Comment 23. **Attachment A, Table B3-1, Page 2:** The text requests NFA for Naval Aviation Depot (NADEP) GAP 67 based on a "low potential for releases." However, the text of the SI Report indicates that additional assessment is warranted in this area (AOC 4), due to the absence of sampling at two SWMUs in Building 167. Since the floor was replaced by the tenant, it is not possible to evaluate the potential for releases by visual observation. Additional soil and groundwater sampling is warranted in this area to more fully evaluate conditions near GAP 67. Please revise the text for GAP 67 to recommend further evaluation.	**Response to Specific Comment 23.** The second and third paragraphs of Section 3.3.4 (EBS Parcel 154), include a discussion of two rounds of samples that were collected in the vicinity of GAP sites 68, 71, and 72 during the EBS. Based on the analytical results, no further investigation was recommended. Although it was noted that the detection limits for TPH diesel were elevated during the second round of soil sampling, the elevated samples were collected near NADEP GAP 72, not 68 or 71. Future investigations of AOC 4 will attempt to delineate TPH in soil in the vicinity of Building 167, which may include sampling near these GAP sites. Table 7-1 has been revised to clarify that the Navy recommendation for EBS Parcel 154 is "further evaluation of northern portion (specifically Building 167 and surrounding open space)" to further evaluate TPH in soil that is not fully delineated.
Specific Comment 24. **Attachment A, Table B3-1, Pages 3 and 4:** The text requests NFA for NADEP GAP 68; however GAP 68 falls within AOC 4, which was identified in the text as requiring further assessment in the SI Report. The data analysis section indicates that, "IT recommended additional soil and groundwater sampling for the southwest corner of Building 167," but GAP 68 is in the northwest corner of this building where arsenic was detected above its PRG, so it is unclear whether the text is in error. Additional soil and groundwater sampling is warranted in this area to more fully evaluate conditions near GAP 68. Please clarify whether additional soil sampling was recommended in the northwest portion of Building 167 to evaluate the extent of the arsenic found in soil. Also, please revise the text for GAP 68 to recommend further evaluation.	**Response to Specific Comment 24.** See response to Specific Comment 23.

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Specific Comment 25. **Attachment A, Table B3-1, Page 5:** The text requests NFA for NADEP GAP 69; however GAP 69 falls within AOC 4, which was identified in the text as requiring further assessment in the SI Report. In addition, no sampling has been done in the vicinity of this GAP. It is possible that spills and releases occurred, particularly when the hose connecting the trailer that was used as a storage tank for corrosive waste with heavy metals was detached each time the tanker truck was moved. Soil and groundwater sampling is warranted in this area to more fully evaluate conditions near GAP 69. Please revise the text for GAP 69 to recommend further evaluation.	**Response to Specific Comment 25.** See response to Specific Comment 23.
Specific Comment 26. **Attachment A, Table B3-1, Pages 6 and 7:** The text requests NFA for NADEP GAP 71; however GAP 71 falls within AOC 4, which was identified in the text as requiring further assessment in the SI Report. In addition, VOCs were not analyzed for samples collected in the vicinity of this GAP, which was used to store oil and solvent contaminated rags. Since these rags could have been fully saturated, additional soil and groundwater sampling is warranted in this area to more fully evaluate conditions near GAP 71. Please revise the text for GAP 71 to recommend further evaluation.	**Response to Specific Comment 26.** See response to Specific Comment 23.
Specific Comment 27. **Attachment A, Table B3-1, Pages 8 and 9:** The text requests NFA for NADEP GAP 72; however GAP 72 was used to store lead scrap. It is unclear whether runoff from this area, prior to the construction of containment impacted sediment quality in nearby storm drain catch basins. Please identify the closest storm drain catch basins (it appears that there are at least three, based on Figure B3-2) and discuss whether sediment samples collected from these catch basins contained lead. Also, please clarify whether accumulated sediments have been removed from all storm drain catch basins and storm drains in the vicinity of this GAP. If sediments have not been sampled or if they have not been removed from the catch basins and storm drains, please recommend GAP 72 for further action.	**Response to Specific Comment 27.** See response to specific comment 23 in regards to NADEP GAP 72. With regard to the sediment samples: During the EBS there was a sediment sample collected at the storm drain catch basin located immediately south of Building 167 (shown as sample K-IT001-01 and duplicate K-IT001-02) as shown on Figure 4-1. Analytical results for this sample contained 1,100 mg/kg lead. However, as stated in the text of the third to last paragraph of Section 3.2.10 (EBS Parcel 154), this data was not considered in the SI report because sediment data collected during the EBS are not considered indicative of current site conditions.

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Specific Comment 27 (continued).	**Response to Specific Comment 27 (continued).** However, since the drain segment sampled during the EBS originates at EBS Parcel 154, the draft final SI was revised to recommend that additional sediment samples may be collected from catch basins along this drain segment (south and/or southwest of Building 167). The boundary of AOC 4 was expanded slightly to the south to incorporate the potential additional sediment sample locations.
Specific Comment 28. **Attachment A, Table B3-1, Pages 14-15:** The text requests NFA for AST 584; however, sampling does not appear to have been historically conducted near the tank to assess any potential releases associated with AST 584. The AST was used to store wastewater containing corrosion inhibiting chemicals, but the chemicals that were used are not specified and the text does not describe how often this AST was emptied or whether spills could have occurred when the AST was emptied. One corrosion inhibiting chemical that was commonly used was hexavalent chromium, but it is unclear if any soil or groundwater samples in this area have been analyzed for hexavalent chromium. Please revise the text to specify the corrosion inhibiting chemicals that were used in the boiler plan, to discuss waste handling procedures (i.e., how often the tank was emptied, how it was emptied, and whether spills could have occurred) and evaluate whether soil and groundwater samples collected near this AST were analyzed for those chemicals and for hexavalent chromium. If the corrosion inhibiting chemicals are unknown or soil and groundwater samples were not analyzed for likely corrosion inhibiting chemicals, please recommend this AST for further action and collect soil and groundwater samples for analysis of hexavalent chromium and other corrosion inhibiting chemicals.	**Response to Specific Comment 28.** See response to Specific Comment 23.

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COMMENTS ON HUMAN HEALTH RISK EVALUATION	RESPONSE TO COMMENTS ON HUMAN HEALTH RISK EVALUATION
Comment 1. The Human-Health Risk Evaluation (HHRE) in Section 5 of the Draft Site Inspection Report – Transfer Parcel EDC-12 appears to be deficient in adequately delineating exposure receptors and pathways of concern in addition to conditions at the site. Delineation of potential exposure pathways and receptors related to any site of concern are obligatory components in the development of a defensible exposure assessment, and integration of such a conceptualization is concordant with U.S. EPA's *Risk Assessment Guidance for Superfund (RAGS) Volume I Human Health Evaluation Manual Part A* (1989) in addition to U.S. EPA's *Remedial Investigation and Feasibility Study (RI/FS) Guidance* (EPA, 1988). A site-specific conceptual site model (CSM) should graphically portray all potential migration routes, exposure pathways and receptors until sampling analysis proves that a particular medium has not been impacted by site contamination. The HHRE simply states that the "exposure pathways evaluated for this human-health CSM are the same as those for soil and groundwater included in the U.S. EPA Region 9 PRGs" (page 5-1). However, it is not understood how these pathways are applicable to current and anticipated land use conditions specific to EDC-12. Essentially, Section 5 fails to identify potential pathways and receptors critical in the assessment of risks and hazards associated with exposures incurred at the property encompassing EDC-12. Further, this HHRE has inadequately characterized the spectrum of complete and potentially complete exposure pathways necessary for a baseline assessment of risk. Please provide a graphical depiction of the CSM delineating the chemical sources, chemical migration pathways in affected media, potential exposure routes, and known or potentially exposed human populations.	**Response to Comment 1.** The following text was inserted after the first sentence in the second paragraph of Section 5: "Current activities at Transfer Parcel EDC-12 are divided between light industrial activities conducted in the paved southern and eastern portions of the site and a vacant lot (CAA-11B) in the northwestern portion of the site. The former Navy hangar and other buildings are currently occupied and used for boat repair and similar activities. CAA-11B is not currently in use. Therefore, the current receptors are adult workers. The proposed future use of Transfer Parcel EDC-12 is a recreational area with a marina and parks. Currently completed exposure pathways for workers are largely limited to inhalation of vapors that might migrate from soil or groundwater through the pavement except in CAA-11B which is not in daily use. Future exposure pathways for children and adults could also include contact with soil (ingestion, dermal contact and inhalation of vapors in indoor and outdoor air and inhalation of dust in outdoor air)." The following text replaces the last sentence in the second paragraph of Section 5 and begins a new paragraph: "The human-health risk evaluation was based on protection of future receptors, including children and adults. The cancer risk and noncancer hazard values are calculated using published risk-based guidelines. The most stringent of the residential reuse was assumed, although not proposed, as part of current redevelopment plans. Residential U.S. EPA Region 9 PRGs, using Cal/modified where available, and Water Board ESLs for indoor air used in this human-health risk evaluation address the following pathways for cancer and noncancer health effects: • soil – ingestion, dermal contact, inhalation of vapors in indoor and outdoor air and inhalation of airborne dust particles in outdoor air for adults and children • groundwater – ingestion and inhalation of vapors while showering and indoor air for adults and children."

DRAFT OF RESPONSE TO COMMENTS* ON
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DATED OCTOBER 2006
CTO-0085

Comments from U.S. EPA, X-M. Tran, 12/7/2006

COMMENTS ON HUMAN HEALTH RISK EVALUATION	RESPONSE TO COMMENTS ON HUMAN HEALTH RISK EVALUATION
General Comment 2. The methodology underpinning the use and/or elimination of analytical data in the risk evaluation is not provided. Although the Executive Summary (page ES-3) indicates that screening-level human health risks have been compared to chemical concentrations above detection limits, Section 5 fails to provide a description of the treatment of non-detect results. The data evaluation should present a discussion surrounding treatment of all analytical results, including non-detect results. Such a discussion should present the uncertainties associated with phenomena such as cases where a reporting limit (preferably a sample quantitation limit) exceeds the most relevant health-based screening criterion. Essentially, although an analyte may be present at or below its quantitation limit, it still may be present at an environmentally-significant level (e.g., health-based standard). Please provide discussion pertaining to the treatment of non-detect data in the evaluation.	**Response to General Comment 2.** As stated in Section 5, maximum reported concentrations were used to calculate risk, therefore, non-detect results are not included in the human-health risk evaluation. However, locations where detection levels exceed screening criteria are presented in Appendix F and evaluated in the SI process to assess the presence of data gaps. If detection limits exceeding screening criteria are found to present a data gap, the data gap is addressed in Section 7 (See Section 7.6).
Comment 3. According to Table C1-3 (B(a)P Equivalent and Carcinogenic PAH Soil Sampling Results for EDC-12), analyte data are available for individual polycyclic aromatic PAHs in addition to benzo(a) pyrene [B(a)P] equivalents. Essentially, it appears that Table C1-3 has assessed the PAHs using the toxic equivalency approach. However, it is unclear why this method has not been carried through to the screening analysis. Please consider carrying this comparative potency approach through to the risk screening analysis. Further, if the HHRE is revised to incorporate the aforementioned quantitative methodology, qualitative discussion of the basis of this methodology would also have to be incorporated within Section 5.	**Response to Comment 3.** The following paragraph will be added as a new second paragraph to Section 5.4: "The risks for PAHs were calculated individually rather than using the B(a)P equivalency approach. This allows evaluation of the individual contribution of each PAH to the cancer risk."

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COMMENTS ON HUMAN HEALTH RISK EVALUATION	RESPONSE TO COMMENTS ON HUMAN HEALTH RISK EVALUATION
Comment 4. **Tables B-1 through B-10:** Since the text of Section 5 indicates that PAHs are to be screened at a carcinogenic target risk corresponding to 1E-05, revision to Tables B-1 to B-10 to reflect this target level should be considered. That is, currently the PRGs for the PAHs evaluated for in this HHRE are based on a target risk level of 1E-06. To provide a consistent screening framework so that the text in Section 5 is concordant with the results presented in Appendix B, please consider adjusting the PRG values presented in Tables B-1 through B-10 so that they are an order of magnitude greater than the values currently reported.	**Response to Comment 4.** The Navy does not plan to adjust the PRGs for carcinogenic PAHs to 10^{-5} because Tables B-1 through B-10 were used to show the calculation of cumulative risk. If the PRGs are set at different risk levels, then the results cannot be added together.

Note:
* These responses identify changes to the subject document text, tables, and/or figures. The specific wording that appears in the document may differ slightly from that presented in these responses to comments. The edited version of the document was reviewed by Bechtel Environmental, Inc., to ensure that there are no substantive differences that would warrant further Navy and/or agency review and concurrence.

ATTACHMENT 1 TO U.S. EPA COMMENTS

APPROACH FOR STREAMLINED ECOLOGICAL EVALUATION

Approach for
Streamlined Ecological Evaluation for
Site Inspection Reports at
Alameda Point Transfer Parcels EDC-3 and PBC-1A

Element/Activity	Source/Reference
1. Determine if ecological pathways exist.	Teleconference 3/24/2004 Navy, USEPA, DTSC. Letter 5/12/2004, DTSC/HERD.
2a. Develop conceptual site model; and	Letter 5/12/2004, DTSC/HERD
2b. Determine if special status species are potentially exposed; and	Teleconference 3/24/2004 Navy, USEPA, DTSC. Letter 5/12/2004, DTSC/HERD.
2c. Determine if special status habitats (wetlands) are potentially exposed.	Email 3/25/2004, USEPA.

Terry Tamminen
Agency Secretary
CalEPA

Department of Toxic Substances Control

Edwin F. Lowry, Director
1011 N. Grandview Avenue
Glendale, California 91201

Arnold Schwarzenegger
Governor

TO: Marcia Liao, Project Manager
OMF Berkeley Office
700 Heinz Street, Second Floor
Berkeley, CA 94704

FROM: James M. Polisini, Ph.D.
Staff Toxicologist, HERD
1011 North Grandview Avenue
Glendale, CA 91201

DATE: May 12, 2004

SUBJECT: NAVAL AIR STATION ALAMEDA (ALAMEDA POINT) MEETING MINUTES FROM MARCH 24, 2004 BCT MEETING REGARDING ECOLOGICAL RISK SCREENING FOR SITE INSPECTION (SI) PARCELS
[SITE 201209-18 PCA 18040 H:8]

BACKGROUND

HERD reviewed the two page list of meeting minutes regarding the March 24, 2004 meeting to discuss a methodology for performing ecological screenings for Site Inspection (SI) sites. This memorandum was forwarded by electronic copy by the DTSC Project Manager for HERD review.

Alameda was an active naval facility from 1940 to 1997. Operations included aircraft, engine, gun and avionics maintenance; fueling activities; and metal plating, stripping and painting. An unconfined landfill exists on the margin of San Francisco Bay in the western bayside area of NAS Alameda. All Navy activities ceased in 1997.

The minutes indicate that the agencies requested a 'streamlined' ecological evaluation be conducted for each Site Inspection (SI) parcel.

SPECIFIC COMMENTS

1. HERD agrees with the first bullet item (Item II, page 2) that if there is no ecological exposure pathway, that no further action is required for assessment of current ecological risk. However, this requires that future use not be allowed to deviate from

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the current use.

2. In the event that special status species are evaluated on the basis only of potential exposure, HERD would agree that this is protective of special status species (Item II, page 2, second bullet). However, a rudimentary Conceptual Site Model (CSM) should be developed to determine if ecological guilds other than those represented by special status species might potentially be exposed.

CONCLUSIONS

HERD recommends that if current use is the basis for evaluating exposure that the current use be maintained in perpetuity by a deed restriction or a change in the transfer documents.

Species other than special status species should be included in the 'streamlined' ecological evaluation.

HERD Internal Reviewer: Michael Anderson, Ph.D.
Staff Toxicologist HERD

cc: Ned Black, Ph.D., BTAG Member
U.S. EPA Region IX (SFD-8-B)
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Laurie Sullivan, M.S., BTAG Member
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San Francisco, CA 94105-3901

Judy Huang
San Francisco Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

Voice 818-551-2853
Facsimile 818-551-2841
C:\Risk\NASA\Minutes March 24, 2004.doc/h.8

McDonnell, Tom

From: Newton, Darren CONT (NFECSW) [darren.newton@navy.mil]
Sent: Thursday, March 25, 2004 4:22 PM
To: Jim Polisini (E-mail); Jim Polisini (E-mail 2); Marcia Liao (E-mail)
Subject: Meeting Minutes for the Eco Risk Conference Call with Agencies

Attachments: Meeting Minutes 3-24-04 Rev 1.doc

Meeting Minutes
3-24-04 Rev 1....

Marcia and Jim,

I ran the minutes by Anna-Marie and Ned Black to make sure we got the approach right.

below are the meeting minutes and Ned's response to the minutes.

Pending DTSC concurrence, we may have an approach.

thanks

Darren Newton
Remedial Project Manager
Navy BRAC Operations, Code 06CA.DN
1230 Columbia Street, Suite 1100
San Diego, CA 92101
619-532-0963

-----Original Message-----
From: Black.Ned@epamail.epa.gov [mailto:Black.Ned@epamail.epa.gov]
Sent: Thursday, March 25, 2004 16:02
To: Newton, Darren CONT (NFECSW)
Cc: Anna-Marie Cook (E-mail); Mark Ripperda (E-mail)
Subject: Re: Draft Meeting Minutes for the Eco Risk Conference Call with Agencies

Darren, Anna-Marie and Mark,

You have successfully captured what I said. After the call yesterday I finally got hold of Dave Charters, EPA's senior ecological risk policy advisor for Superfund. He agreed with my thinking but added one point I'd forgotten. Dave reminded me in the HRS we also look for exposure to wetlands in general as a special status habitat, regardless of the presence of special status species. Both Dave and I feel any documentation for a site with no exposure to special status species or wetlands should be brief, i.e., less than a page.

ned black, ph.d.
regional ecologist/microbiologist
us epa r9 btag coordinator

CLEAN 3
Chron No. CTO-067-0007
File Code: 0208

MEETING MINUTES

Meeting Subject:	Meeting Date: March 24, 2004
Discussion of Ecological Risks for Site Inspections.	Meeting Time: 10:00 AM Meeting Place: Teleconference Meeting Notes Prepared By: Lynne Srinivasan Meeting Notes Approved By: Eric Johansen

Attendees:

Navy	Consultants
Darren Newton, RPM (SWDIV)	Eric Johansen (Bechtel Environmental)
Greg Lorton, Lead RPM (SWDIV)	Lynne Srinivasan (Dean Ryan)
Rick Weissenborn (SWDIV)	Tom McDonnell (Brown & Caldwell)
	Beth Kelly (TtEMI)
Regulators	Craig Hunter (TtEMI)
Anna Marie Cook (EPA)	
Mark Ripperda (EPA)	
Ned Black (EPA)	
Marcia Liao (DTSC)	

Absent from conference call: Dr. James Polisini (DTSC)

Additional Distribution (In Addition to Attendees): None.

Description of Action Items for CTO 067:

Item No.	Item Description	Responsible Individual	Due Date/ Status
1	Copy and mail 1997 Biological Assessment	Beth Kelly (TtEMI)	ASAP

I. INTRODUCTION

At the February 17, 2004 BCT Meeting, the agencies requested that a "streamlined" ecological evaluation be conducted for each of the Site Inspection (SI) parcels. A methodology was not discussed, but Ms. Anna Marie Cook (EPA) said that she would discuss an approach with the EPA ecological specialist. On February 26, 2004, Ms. Cook emailed an approach based on a conversation she had with Dr. Ned Black (EPA Ecological Specialist).

On March 24, 2004 the attendees listed above participated in a teleconference to discuss the issue regarding the ecological screening approach for the SI Reports.

II. ECOLOGICAL SCREENING EVALUATION - MARCH 24, 2004 MEETING

The conference call commenced at approximately 10:10 am. Ms. Marcia Liao (DTSC Project Manager) attempted to contact Dr. James Polosini (DTSC Ecological Specialist) for inclusion on the call, but was unsuccessful.

The conference call began with an introduction by Mr. Darren Newton (Navy RPM). Mr. Newton explained the history of the ecological issue for the SI parcels and then asked Ms. Lynne Srinivasan (Dean Ryan) to discuss some of the preliminary calculations that had been performed as a result of the agency request. Results of both the test ecological screen (comparing maximum detected concentrations to SSLs and ecological benchmarks) and the background comparison suggested that the SI sites would be recommended for further action in a remedial investigation (RI). The Team then discussed the presence of exposure pathways and ecological species potentially exposed.

Dr. Black (EPA) said that there was no distinct guidance on conducting ecological assessments for SIs, but suggested that the methodology be similar to that used for calculating a Hazard Ranking System (HRS) score. The HRS methodology evaluates current exposure pathways for endangered species only. Upon clarification, Dr. Black noted that the species evaluated should include all special status species, not just endangered.

The Team also discussed the issue of many of the maximum metals concentrations being greater than background. Ms. Cook (EPA) noted that there should be way to handle this. Mr. Newton (Navy) noted that he would confer with his consultants and get back to her at a later date.

The Team ended the meeting with a resolution on how to address ecological risk in the SI documents. A three-step process similar to the one originally proposed by EPA (February 26, 2004 email) was developed:

- Identify whether there is a current ecological exposure pathway. If not, no further action. If yes,
- Identify whether there are special status species potentially exposed. If not, no further action. If yes,
- Recommend for further action in an RI.

The Team was in agreement with this methodology. However, Ms. Liao (DTSC) noted she would need concurrence from Dr. James Polosini (Ecological Specialist) prior to DTSC's complete concurrence.

The conference call was completed at 10:40 am.

CAL/EPA DEPARTMENT OF
TOXIC SUBSTANCES CONTROL
GEOLOGICAL SERVICES UNIT

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Comments from DTSC-GSU, M. Dalrymple, 12/7/2006

GENERAL COMMENTS	RESPONSE TO GENERAL COMMENTS
General Comment a. **Screening Criteria and Detection Limits**. There appears to be incomplete and/or inconsistent information with respect to detection limits that exceeded screening criteria in soil and groundwater samples. Appendix F provides information on elevated detection limits for groundwater, soil, and soil gas, but it appears that this appendix may not be complete. For example, there is no table provided for soil samples with reporting limits exceeding Preliminary Remediation Goals (PRGs) for semivolatile organic compounds (SVOCs), yet the SI report indicates that SVOC detection limits were a problem for soil samples at Parcel 151 (see Specific Comment 3). Without complete information on screening criteria exceedances, it is not possible to agree with the conclusions of the SI. The prevalence and significance of detection limits which exceed screening criteria for soil and groundwater samples from EDC-12 cannot be evaluated without the following information: • In addition to providing a general reference to sources of screening criteria used in the SI evaluations, as presented in Section 3.2, GSU requests that screening criteria tables are included in the Draft Final SI Report for all analytes evaluated (see Specific Comment 2). • GSU requests that all chemical groups for which detection limits exceeded screening criteria be identified in Section 4 for each medium sampled (see Specific Comment 7). • GSU requests that Appendix F include "Reporting Limits/Screening Criteria Comparison Tables" for all chemical groups and analytes for which detection limits exceeded screening criteria (see Specific Comment 3).	**Response to General Comment a.** Comments noted. Responses to the reviewer's general comments are addressed in the responses to Specific Comments 2, 3, and 7.

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Comments from DTSC-GSU, M. Dalrymple, 12/7/2006

SPECIFIC COMMENTS	RESPONSE TO SPECIFIC COMMENTS
Specific Comment 1. **Section 2.4.2 - Alameda Point and Transfer Parcel EDC-12 Hydrogeology**. Figures in Section 4 include arrows depicting the approximate groundwater flow direction. The basis for this information should be discussed in Section 2.4.2. GSU recommends that Section 2.4.2 include a groundwater flow direction map for the portion of Alameda Point that includes EDC-12.	**Response to Specific Comment 1.** The following sentence will be added at the end of the second paragraph in Section 2.4.2 to explain the basis for the groundwater flow direction: "A groundwater elevation and potentiometric surface map for the first water-bearing zone, which was prepared as part of the basewide groundwater monitoring program using data from spring 2004 (Shaw Environmental 2004), is the basis for the groundwater flow direction shown by arrows on the figures in this report." Reference: Shaw Environmental. 2004. Potentiometric Surface Map First Water-Bearing Zone Spring 2004. Drawing No. 84378-D633. June 25. The groundwater flow direction is depicted on figures in Section 4 and figure 7-1 of the SI report. Additionally, the groundwater flow direction will be added to Figure 3-2 "Site Features."
Specific Comment 2. **Section 3.2 – Historical Uses and Previous Sampling Results by EBS Parcel**. a. It is stated that aerial photographs were reviewed and visual inspections were conducted as part of the previous investigations that are summarized in the Draft SI Report. GSU questions whether visual confirmation of observations made during the previous investigations was attempted as part of scope of the SI. Please clarify the degree to which information contained in earlier reports was verified during the SI. b. This section lists several sources for screening criteria that have been used to evaluate the analytical concentration data and detection limits for this investigation. However, only Alameda Point background metals concentrations for soil and groundwater are provided in the Draft SI Report (Tables 3-2 and 3-3). GSU requests that the Draft Final SI Report include tables of other screening criteria that were used in the SI evaluations for the various chemical groups and analytes.	**Response to Specific Comment 2.** a. This SI evaluation did not include visual inspections to confirm the findings of previous documents. Visual inspections were conducted largely in 1994 during the EBS. Additionally, documentation of historical aerial photograph reviews were used during the EBS; however, historical aerial photographs were not reevaluated for preparation of this SI with the exception of aerial photograph reviews conducted to address specific comments from regulatory agency reviewers on the draft version of this SI. b. Screening criteria used in this report, including preliminary remediation goals (PRGs) and environmental screening levels (ESLs), have been included as an attachment to this SI report (Attachment B). Background metals concentrations are included in the main body of the Draft SI Report because they are the values specifically developed for Alameda Point. c. Industrial PRGs and ESLs were only used as secondary screening criteria. All values were compared with residential land-use screening criteria. Both comparison values continue to be provided because the parcel is designated for mixed use.

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SPECIFIC COMMENTS	RESPONSE TO SPECIFIC COMMENTS
Specific Comment 2 (continued). c. The future use of the EDC-12 transfer parcel is "mixed-use" which includes residential land use. Therefore, GSU requests that industrial PRGs and industrial environmental screening levels are excluded as screening criteria for the purposes of this SI. d. GSU requests that the discussions in the various subsections of Section 3.2 are expanded to include more complete information regarding previous sampling and analytical results. Specifically, it is requested that for each parcel where samples were collected, sample identifiers (IDs) are included so that specific information on results and concentrations can be located in Appendix A. For each parcel for which sampling was performed, GSU requests a table showing sample IDs, sample depths, and analytical methods performed. Information on whether samples were analyzed at a fixed-base or screening laboratory should also be provided.	**Response to Specific Comment 2 (continued).** d. Sample IDs are provided on the figures presented in Sections 4 and 7. In order to maintain the clarity of the text in Section 3.2, sample IDs were excluded from the discussion. Consistent with previously submitted SI documents (Transfer Parcels EDC-5, PBC-1A, and EDC-3), the requested information is provided in report figures and in Appendix A.
Specific Comment 3. **Section 3.2.8 – EBS Parcel 151**. It is stated that detection limits for SVOCs in soil samples were above the screening criteria. However, Appendix F - *Reporting Limits/Screening Criteria Comparison Tables* does not include this information. It is requested that Appendix F include reporting limits/screening criteria comparison tables for all classes of analytes for which detection limits exceeded comparison criteria.	**Response to Specific Comment 3.** Appendix F has been revised to include SVOCs.
Specific Comment 4. **Section 3.2.10 – EBS Parcel 154**. Please clarify that detection limits in the soil sample analyzed for dioxins and furans exceeded screening criteria as shown in Appendix F.	**Response to Specific Comment 4.** As stated in Section 3.2.10, dioxins and furans were analyzed because a former incinerator was incorrectly identified as being located near the parcel. The dioxin/furan results were not required to evaluate the EBS parcel because the incinerator was not located near the parcel. However, the text in the 8th paragraph of Section 3.2.10 has been amended as follows: "A zonewide target area was identified to address potential impacts to the parcel from a former incinerator originally thought to be located in EBS Parcel 139.

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SPECIFIC COMMENTS	RESPONSE TO SPECIFIC COMMENTS
Specific Comment 4 (continued).	**Response to Specific Comment 4 (continued)** However, the former incinerator was later identified to have been located in EBS Parcel 113 (IR Site 7) and therefore, these data are not considered relevant for characterization of the EBS parcel. One soil sample was collected and analyzed for dioxins/furans. These analytes were not reported in the sample collected; detection limits for several dioxins/furans in this sample exceeded the screening criteria."
Specific Comment 5. **Section 3.3.2 – EBS Parcel 150**. It is stated that NAS GAP 04/SWMU 584 was designated due to a spill of diesel fuel, but Attachment A – *Solid Waste Management Unit Evaluation Report for Transfer Parcel EDC-12* shows that the material stored and/or disposed at this solid waste management unit (SWMU) includes waste oil. Please confirm whether waste oil was stored and/or disposed at the SWMU. If it was, this SWMU may need to be closed under CERCLA, and soil and groundwater sampling conducted in the vicinity of this SWMU should be presented and discussed in the SI Report. Also, Figure 3-2 of the Draft SI Report shows GAP 621 as being located northwest of Building 621. Figure B3-3 in Attachment A of the Draft SI Report shows GAP 621 as being located northeast of Building 621, consistent with the Environmental Baseline Survey (EBS) Report. Please provide the correct location of this SWMU and make consistent references to it's location throughout the Draft Final SI Report.	**Response to Specific Comment 5.** NAS GAP 04/SWMU 584 historically stored both diesel fuel and waste oil. NAS GAP 04/SWMU 584 is located within CAA-9A, an area already identified as impacted by site activities. CAA-9A was not evaluated in this SI. Figures for this SI report were generated using the ArcView query station database. GAP 621 was shown as located outside the northwestern corner of Building 621 in this database. However, a review of the EBS and SWMU reports indicated that GAP 621 was located in the northeastern corner of the building. In order to resolve this discrepancy, aerial photographs from 1992 to 1994 were reviewed as part of the preparation of these RTCs. In addition, there was no evidence of the location of GAP 621 observed during the site visit conducted during preparation of these RTCs. Temporary structures potentially related to the GAP site were observed in the aerial photographs. The location of GAP 621 indicated by the EBS and SWMU reports has been depicted on the figures in this SI report.
Specific Comment 6. **Section 3.3.4 – EBS Parcel 154**. The adequacy of the investigation regarding the volatile organic compound (VOC) release from Building 167 is not well documented in the SI report. Building 167 was an aircraft maintenance hangar. Activities conducted in this building included parts washing in solvent dip tanks, metals treatment, metals machining, and paint	**Response to Specific Comment 6.** As shown on Figure 4-2, "Sampling Locations and Screening Criteria Exceedance – Volatile Organic Compounds," VOCs were analyzed at two locations at Building 167, in the area with the highest reported chemical concentrations in soil. This area was considered to have the highest potential for a release to have occurred based on the historical activities and represents the worst-case scenario.

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SPECIFIC COMMENTS	RESPONSE TO SPECIFIC COMMENTS
Specific Comment 6 (continued). stripping, among other activities. Tetrachloroethene and 1,1,1-trichloroethane were detected in soil samples collected during the Phase 2A EBS. While the concentrations of these VOCs were below soil screening criteria, their presence indicates that a chemical release occurred. Only low to non-detectable levels of VOCs were reported in groundwater samples collected in this area during the Phase 2B EBS. However, these samples were very closely spaced, and the location of these samples relative to possible sources is not described. Also, the lithology of the aquifer and approximate groundwater flow directions are not provided. GSU questions whether the source of the VOC release at Building 167 has been identified. It is possible that the source is not located precisely in the area where the samples were collected, and that groundwater contamination was missed by the Phase 2B EBS sampling. GSU requests that additional information is provided in the SI report, such as the locations of possible VOC sources in the hangar relative to the samples collected. It is possible that additional soil and groundwater sampling for VOCs may be necessary (see Specific Comment 11).	**Response to Specific Comment 6 (continued).** Therefore, targeted sampling was conducted during Phase 2A. Reported chemical concentrations in soil sampled during Phase 2A were above screening criteria. This led to groundwater sampling being conducted during Phase 2B. VOC groundwater concentrations during Phase 2B were reported below screening criteria in the samples collected in this portion of the building. Therefore, based on the phased approach used during the EBS and analytical results from targeted sampling, it is considered unlikely that VOCs were released to groundwater from historical activities at Building 167 because impacts were not observed in the area demonstrating the highest potential impact. However, AOC 4 has been expanded to include areas east, west, and south of Building 167, including the area downgradient of the building, in order to assess potential impacts to groundwater from historic aircraft washdown and maintenance.

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Comments from DTSC-GSU, M. Dalrymple, 12/7/2006

SPECIFIC COMMENTS	RESPONSE TO SPECIFIC COMMENTS
Specific Comment 7. **Section 4 – Evaluation of Existing Analytical Data**. The evaluation presented in this section relies on screening criteria comparisons using soil, soil gas, and groundwater data to determine the need for further evaluation. However, detection limits for some chemicals for each of the sampling media exceeded the screening criteria. The degree to which the data are affected by this problem is not clear. GSU requests that the chemical classes for which detection limit exceedances occurred are identified in this section and that a reference to Appendix F for the specific details is included.	**Response to Specific Comment 7.** Section 4.1 states: "Detection limits for several VOCs were higher than the screening criteria in each of the six soil gas samples collected; therefore, it cannot be verified that the concentrations of VOCs in the soil gas samples were below screening criteria (Appendix F)." Additionally, Section 4.2 states: ". . . the detection limit for TPH as motor oil in the samples from this location was above the residential and industrial ESLs." The text in Section 4 has been amended to identify chemical classes for which detection limits exceeded screening criteria that were not previously discussed. For clarification, the following has been added as a final paragraph in Section 4: "Detection limits for analytes in soil, soil gas, and groundwater at selected locations exceeded screening criteria, as discussed in Appendix F and the following subsections. With the exception of SVOCs in soil at EBS Parcel 151, concentrations of analytes with detection limits exceeding screening criteria were not found to represent data gaps." The following sentence has been added to the end of the first paragraph of Section 4.1: "Detection limits for two VOCs in one groundwater sample exceeded screening criteria (see Appendix F)." The following sentence has been added to the end of the fifth paragraph of Section 4.3: "Additionally, as presented in Appendix F, detection limits for selected SVOCs in soil at eight EBS parcels exceeded screening criteria. Based on the historical activities conducted at the locations where these samples were collected, SVOCs in soil that were analyzed with elevated detection limits represent a data gap at EBS Parcel 151."

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Comments from DTSC-GSU, M. Dalrymple, 12/7/2006

SPECIFIC COMMENTS	RESPONSE TO SPECIFIC COMMENTS
Specific Comment 8. **Section 7.5 – EBS Parcel 150B**. GSU agrees with the recommendation for further delineation on this parcel (AOC 3), and requests that the following be considered when developing the sampling and analysis plan: a. Please consider sampling along and adjacent to the storm sewer, as the highest concentration for total petroleum hydrocarbons (TPH) was found in sample 151-009M at a concentration of 14,000 milligrams per kilogram adjacent to the storm sewer line. b. In TPH "hot spots," analyze for polychlorinated biphenyls and pesticides, since these constituents have not be analyzed in the areas of elevated TPH. c. Please clarify whether the soil gas detection of chloroform above industrial and residential screening levels is being addressed as part of the Installation Restoration (IR) Site 16 investigation. The recommendations in Table ES-1 and Table 7-1 should be consistent with this information.	**Response to Specific Comment 8.** a. Comment noted. It is not within the scope of an SI to develop a sampling and analysis plan. However, the Navy will consider DTSC's request upon further evaluation of AOC 3. b. Please see response to Specific Comment 8a above. c. Groundwater in the central and eastern portions of EBS Parcel 150B is being evaluated under the IR Site 16 investigation. This includes the sampling location with the elevated chloroform detection. As stated in Section 5.4, groundwater data for Parcel 150B were not included in the human-health risk evaluation because they are included within the boundary of the IR Site 16 groundwater plume. In accordance with DTSC guidance, it is understood that soil gas samples collected in areas with shallow groundwater may not be representative of actual soil gas concentrations and thus the use of groundwater data rather than soil gas data to assess vapor migration may be preferred.
Specific Comment 9. **Section 7.6 – EBS Parcel 151**. GSU agrees with the recommendation for further delineation near the wood treatment area (AOC 3). Please identify this area on the maps in the Draft Final SI Report. If metals sampling and analyses have not been completed in this area, total chromium, hexavalent chromium, and arsenic should be analyzed in soil and groundwater at and surrounding the wood treatment area, because these are common metals associated with wood treatment facilities. If sufficient sampling and analyses for metals have already been performed, or only creosote was used, then please clarify and revise the tables and text appropriately.	**Response to Specific Comment 9.** The approximate location of the wood treatment area has been depicted in figures presented in this SI. As stated in the response to Specific Comments 8a and 8b, it is not within the scope of an SI to develop a sampling and analysis plan. However, the Navy will consider DTSC's request upon further evaluation of AOC 3. As stated in Section 3.2.8, ". . . a 50-by-100-foot accumulation area consisting of large telephone poles and timber treated with creosote and copper green preservative was observed." As stated in the second sentence of paragraph four of Section 3.2.8, "To investigate staining, odors, and chemical use in the treated-wood accumulation area located in the center of the parcel, eight

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Comments from DTSC-GSU, M. Dalrymple, 12/7/2006

SPECIFIC COMMENTS	RESPONSE TO SPECIFIC COMMENTS
Specific Comment 9 (continued)	**Response to Specific Comment 9 (continued)**. subsurface soil samples, two confirmation soil samples, and one duplicate soil sample were collected within the EBS Parcel 151 boundary and analyzed for SVOCs and metals." Additionally, as shown on Figure 4-6, "Sampling Locations and Results Above PRGs but Below Background – Metals," soil samples in the wood treatment area were analyzed for metals but results were reported below screening criteria.
Specific Comment 10. **Section 7.8 – EBS Parcel 154**. GSU recommends that soil and groundwater characterization in and downgradient of potential VOC sources in Building 167 are included as an additional objective of the further evaluation proposed for AOC 4.	**Response to Specific Comment 10.** Two groundwater samples were collected in the southwestern corner of Building 167 (downgradient area). Additionally, soil samples were collected at targeted locations within the building and VOC concentrations were not reported above screening criteria. Based on the absence of VOCs above screening criteria in soil and groundwater samples collected at targeted locations within Building 167, it is considered unlikely that historical activities impacted soil or groundwater. Building 167, however, is included in AOC 4 partially due to a lack of sampling at two SWMUs. These SWMUs (one located within the building and one outside the building) represent two remaining potential release areas that require further evaluation. It is likely that sampling and analysis for VOCs will be conducted during the subsequent phase of evaluation that is recommended in this SI Report, based on the materials managed at the SWMUs. Additionally, AOC 4 has been expanded to include the area to the east, west, and south of Building 167, including the area downgradient of the building, in order to assess potential impacts from historic aircraft washdown and maintenance.

Note:
* These responses identify changes to the subject document text, tables, and/or figures. The specific wording that appears in the document may differ slightly from that presented in these responses to comments. The edited version of the document was reviewed by Bechtel Environmental, Inc., to ensure that there are no substantive differences that would warrant further Navy and/or agency review and concurrence.

CAL/EPA DEPARTMENT OF
TOXIC SUBSTANCES CONTROL
HUMAN AND ECOLOGICAL RISK DIVISION

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Comments from DTSC-HERD, J. Polisini, 12/18/2006

GENERAL COMMENTS	RESPONSE TO GENERAL COMMENTS
General Comment 1. The maximum concentration used in the Human Health Risk Assessment (HHRA) screening is the maximum concentration extracted from the Alameda Point ArcView Query Station (Appendix B). The maximum concentration term returned from this data system must be verified as accurate against the document referenced as the source which was reviewed by regulatory departments, boards and agencies.	**Response to General Comment 1.** The database contractor responsible for the Alameda Point database follows the Navy- approved Data Management Work Plan (DMP) dated October 24, 1994. The DMP addresses all database management issues relevant to the initial CLEAN contract, and these processes are still in use today. In accordance with the DMP, all data manually entered into the Alameda Point database receive a 100 percent data verification process to ensure the data were transcribed accurately and completely. Data that are available electronically receive a 10 percent data verification process, where records are selected randomly and checked against source documents. Database integrity is maintained by a series of rules and procedures included in the database software to assure its continued quality. If the DTSC would like, a copy of the Data Management Plan, it can be provided for your use.
SPECIFIC COMMENTS	**RESPONSE TO SPECIFIC COMMENTS**
Specific Comment 1. Comparison of the soil gas concentration of Volatile Organic Compounds (VOCs) to Environmental Screening Levels (ESLs) (SFRWQCB, 2005) was used (Section 4.0, page 4-2) to present any pattern of contamination (Figures 4-2 through 4-6). However, the U.S. EPA Region 9 Preliminary Remediation Goals (PRGs) do not include the indoor air pathway for Volatile Organic Compounds in soil or groundwater (EPA, 2004; Section 4.4, page 19) and cancer risk and/or non-cancer hazard via the inhalation pathway does not appear to have been evaluated for the applicable EBS Parcels (e.g., EBS Parcel 154 [Table B-8]). The inhalation pathway must be included in the estimate of risk and/or hazard where applicable.	**Response to Specific Comment 1.** The cancer risk and noncancer hazard from migration of vapors from VOCs in soil and groundwater has been included in the risk calculations. The more stringent of the ESL for vapor migration or the residential PRG was used in the calculations. The revised calculations will be presented in the revised version of this SI report (note: revised calculations indicate that the estimated risks and hazards calculated for EBS parcels at Transfer Parcel EDC-12 will not significantly change).

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Comments from DTSC-HERD, J. Polisini, 12/18/2006

SPECIFIC COMMENTS	RESPONSE TO SPECIFIC COMMENTS
Specific Comment 2. Chloroform in one soil gas sample exceeded the residential and industrial ESL. Detection limits for several other VOCs were higher than the ESL screening concentrations in the six soil gas samples collected (Section 4.1, page 4-2). This represents a data gap for the VOCs with detection limits greater than the soil gas ESLs (Appendix F). HERD recommends the soil gas pathway analysis for the adjacent IR sites be considered where the EBS Parcel groundwater is influenced by a groundwater contamination plume in the adjacent IR Site. The data gap will remain for the VOCs with detection limits greater than the soil gas ESLs for those EBS Parcels removed from an IR site-related groundwater investigation.	**Response to Specific Comment 2.** Groundwater in the central and eastern portions of EBS Parcel 150B is being evaluated under the IR Site 16 investigation. This includes the sampling location with the elevated chloroform detection. As stated in Section 5.4, groundwater data for Parcel 150B were not included in the human-health risk evaluation because they are included within the boundaries of the IR Site 16 groundwater plume. In accordance with DTSC guidance, it is understood that soil gas samples collected in areas with shallow groundwater may not be representative of actual soil gas concentrations and thus the use of groundwater data rather than soil gas data to assess vapor migration may be preferred.
Specific Comment 3. One step in the HHRA (Figure 5-1, 4-2 and 5-3) is a presentation of the incremental (i.e., in addition to 'ambient') cancer risk and/or non-cancer hazard for inorganic elements. Inorganic elements were 'compared to background concentrations developed specifically for Alameda Point for soil and groundwater' (Section 4.0, page 4-2). There is no identification of the NASA inorganic 'ambient' data set which was used in this process. Inorganic 'ambient' data sets for NASA have been designated as 'blue', 'yellow' or 'pink' based on the history of placement and inter-element regressions. HERD recently completed a review of the proposed 'blue', 'pink' and 'yellow' data sets (HERD memorandum to Dot Lofstrom, June 12, 2006) and determined that there are upper extreme outliers for some elements. Please identify the 'ambient' data set used for EDC-12 and remove the identified extreme outliers prior to calculating	**Response to Specific Comment 3.** As stated in Section 3.2, "The determination of background concentrations for metals in soil was based on differing fill deposition dates within three geologically similar areas at Alameda Point. These areas correspond to the pink, blue, and yellow areas. Transfer Parcel EDC-12 is located in the blue area (southeastern portion)." Additionally, the title of Table 3-2, which presents the background values, specifies the values are for the "southeastern portion of Alameda Point (blue area)." The Navy is in the process of preparing responses to the HERD memorandum dated June 12, 2006, that provided comments on the 'blue', 'yellow', and 'pink' soil background data for Alameda Point. The HERD memorandum and Navy responses apply to sitewide conditions at Alameda Point and are beyond the scope of the SI for Transfer Parcel EDC-12.

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Comments from DTSC-HERD, J. Polisini, 12/18/2006

SPECIFIC COMMENTS	RESPONSE TO SPECIFIC COMMENTS
Specific Comment 3 (continued). the concentration term used as representative of 'incremental' exposure. Also, please amend the figures to make it explicit that a comparison to 'ambient' concentrations is the transition from 'total' estimates of risk and/or hazard to 'incremental' estimates of risk and/or hazard.	**Response to Specific Comment 3 (continued)**. However, the Navy has conducted an evaluation of the HERD comments on the 'blue' soil background data relative to Transfer Parcel EDC-12 and determined that none of the conclusions of the HHRE or the recommendations in the SI would change if the comments were incorporated. For all metals except arsenic and lead, the total cancer risk and noncancer hazard values are acceptable without subtracting metals below background. For arsenic, Dr. Polisini commented in the 2006 memo that there appeared to be two populations of data, based on an inflection point in the cumulative frequency plot at 4 mg/kg, and suggested that arsenic above 4 mg/kg should be evaluated. Arsenic at concentrations of 1.1, 3.7, 2.4, and 1.6 mg/kg were reported at EBS Parcels 151, 153, 154, and 201, respectively. Therefore, there is evidence that changing the background evaluation for arsenic in the blue data set would still result in a conclusion that arsenic is below blue background. For lead, the conclusions on lead concentrations as below background could change based on Dr. Polisini's 2006 memo. However, the maximum concentrations of lead are below the residential PRG, so no risk management decisions would change. Regarding the comment to "amend the figures to make it explicit that a comparison to 'ambient' concentrations is the transition from 'total' estimates of risk and/or hazard to 'incremental' estimates of risk and/or hazard," it was assumed that the comment refers to the Section 5 figures. Therefore, the following sentence has been added to Figures 5-1 and 5-2 for clarification: "Incremental risk or hazard is calculated by subtracting concentrations below background from total risk or total hazard, respectively."

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Comments from DTSC-HERD, J. Polisini, 12/18/2006

<table>
<tr><th>SPECIFIC COMMENTS</th><th>RESPONSE TO SPECIFIC COMMENTS</th></tr>
<tr><td>

Specific Comment 4.

Human health risk and/or hazard was not evaluated at EBS Parcels 134, 155, 160, 164, 199 or 202 because no soil or groundwater samples were collected from these parcels (Section 5.0, page 5-1). Sampling was not conducted at these EBS Parcels because potential impact to soil or groundwater from site activities was not identified during the 1994 EBS or subsequent investigations. Activities which occurred at these EBS Parcels without sample results include:

<table>
<tr><th>Parcel</th><th>Historical Activity</th></tr>
<tr><td>134</td><td>Material storage, maintenance equipment parking, paint storage and vehicle parking (Section 3.2.1)</td></tr>
<tr><td>155</td><td>Waterfront wharf area, electrical substation (no oil-filled equipment) and railroad track right-of-way (Section 3.2.11)</td></tr>
<tr><td>160</td><td>Aircraft and vehicle parking with possible boat repair (Section 3.2.14)</td></tr>
<tr><td>164</td><td>General warehouse operations storing and packaging of aviation equipment (Section 3.2.15)</td></tr>
<tr><td>199</td><td>Storage and testing of flexible hoses through recirculating pump system, aircraft parking (Section 3.2.16)</td></tr>
<tr><td>202</td><td>Air compression and steam plan (Section 3.2.18)</td></tr>
</table>

Lack of sample results from these EBS Parcels represents a data gap in the HHRA the severity of which can only be estimated based on the 1994 EBS visual inspection reports, reported historical activities and sufficiently characterized adjacent IR sites and/or EBS Parcels. HERD recommends that the human health risk and/or hazard for adjacent IR sites or EBS Parcels be seriously considered for the above-listed EBS Parcels to evaluate the significance of this data gap.

</td><td>

Response to Specific Comment 4.

It is beyond the scope of this SI to evaluate IR sites or EBS parcels located outside the transfer parcel boundary.

Human-health risk was not calculated at EBS parcels where a potential for chemical release to site soil or groundwater was unlikely. Although minor industrial activities occurred at EBS parcels where no samples were collected, there was no significant evidence that these activities resulted in a release to soil or groundwater. Therefore, in locations where potential releases were not identified, it was considered suitable to make recommendations for no further evaluation without calculating human-health risk.

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Comments from DTSC-HERD, J. Polisini, 12/18/2006

SPECIFIC COMMENTS	RESPONSE TO SPECIFIC COMMENTS
Specific Comment 5. Any potential adverse health effects associated with exposure to contaminants in groundwater are eliminated from consideration in the HHRA for EBS Parcels 150B, 151, 153, 154 and 201 because groundwater exposure is being addressed as part of IR investigations for adjacent IR sites (Section 5.0, page 5-1). While consideration of remedial alternatives for groundwater contamination at IR sites need not be addressed as part of the Site Inspection Report (SIR), the HHRA screening for these EBS Parcels is incomplete until the groundwater investigations of the adjacent IR sites are completed. HERD recommends that no risk management decision be made for EBS Parcels 150B, 151, 153, 154 and 201 until a completed HHRA screening is completed.	**Response to Specific Comment 5.** Recommendations for no further evaluation were only made for EBS parcels or portions of EBS parcels that were evaluated in the SI, which excludes the areas already identified as areas of potential contamination (i.e., CAAs and IR sites). For clarification, a figure has been added to Section 4 which is entitled "Sampling Locations Included and Excluded From Evaluation in Transfer Parcel EDC-12" depicting areas included and excluded from the evaluation.
Specific Comment 6. The target cancer risk (i.e., $1x10^{-6}$) and target non-cancer hazard (i.e., Hazard Index [HI=1]) (Section 5.1, page 5-1) are acceptable. This comment is meant for the DTSC Project Manager and no response is required form the Navy or Navy contractor.	**Response to Specific Comment 6.** Comment noted; no response necessary.
Specific Comment 7. A subset of the U.S. EPA Region 9 PRGs and Maximum Contaminant Levels (MCLs) for ingestion of drinking water (Appendix B, Tables B-1 through B-10) were checked and found to be arithmetically correct. This comment is meant for the DTSC Project Manager and no response is required from the Navy or Navy contractors.	**Response to Specific Comment 7.** Comment noted; no response necessary.
Specific Comment 8. A subset of the HHRA estimates of cancer risk and/or non-cancer hazard (Section 5.4, pages 5-2 through 5-4) were checked against the detailed tables (Appendix B, Table B-1 through B-10) and found to agree arithmetically within rounding limits. This comment is meant for the DTSC Project Manager and no response is required from the Navy or Navy contractors.	**Response to Specific Comment 8.** Comment noted; no response necessary.

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Comments from DTSC-HERD, J. Polisini, 12/18/2006

SPECIFIC COMMENTS	RESPONSE TO SPECIFIC COMMENTS
Specific Comment 9. Please present the cancer risk and/or non-cancer hazard estimates to one decimal place in the text (Section 5.4, pages 5-2 through 5-4) rather than values rounded to one significant figure.	**Response to Specific Comment 9.** U.S.EPA "Risk Assessment Guidance for Superfund: Volume 1: Human Health Evaluation Manual" (EPA/540/1-89/002, December 1989 specifically states in text and tables that cancer risk and non cancer hazard should be reported in one significant figure. While experienced risk assessors appreciate that a HI value of 1.3 is not different than 1, the public does not and believes that an HI value of 1.3 exceeds the target risk level of 1.
Specific Comment 10. Please provide justification, regarding the presence or absence of hexavalent chromium, for use of the 1:6 hexavalent chromium to trivalent chromium PRG for evaluation of the chromium cancer risk (Appendix B, Tables B-1 through B-10).	**Response to Specific Comment 10.** Hexavalent chromium was not identified as a chemical of potential concern based on the review of historical documents and data conducted for this SI. Therefore, the 1:6 hexavalent chromium to trivalent chromium PRG was used in the cancer risk calculation presented in Appendix B.
Specific Comment 11. The maximum concentration used in the Human Health Risk Assessment (HHRA) screening is the maximum concentration extracted from the Alameda Point ArcView Query Station (Appendix B, Tables B-1 through B-10, footnotes). The maximum concentration term returned from this data system must be verified as accurate against the document referenced as the source which was reviewed by regulatory departments, boards and agencies.	**Response to Specific Comment 11.** Please see response to General Comment 1.
Specific Comment 12. EDC-12 consists of 18 EBS Parcels (Executive Summary, Background and Historical Uses, page ES-1). This SIR report evaluates all or part of 15 EBS Parcels (134, 140, 141, 150, 150B, 151, 153, 154, 155, 159, 160, 164,199, 201, and 202). Human health risk was not evaluated for six EBS Parcels (134, 155, 160, 164, 199 or 202) because no soil or groundwater samples were collected from these parcels (Section 5.0, page 5-1). The Human Health Risk Assessment is incomplete for five EBS Parcels (150B, 151, 153, 154 and 201) because groundwater exposure is deferred to adjacent IR Sites (Section 5.0, page 5-1).	**Response to Specific Comment 12.** Human-health risk was not calculated at EBS parcels where historical records and activities did not indicate a potential for chemical release to site soil or groundwater. Therefore, in locations where potential impacts were not identified, it is considered suitable to make recommendations for no further evaluation.

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Comments from DTSC-HERD, J. Polisini, 12/18/2006

SPECIFIC COMMENTS	RESPONSE TO SPECIFIC COMMENTS
Specific Comment 12 (continued). Therefore, this SIR adequately addresses human health risk and/or hazard for 4 EBS Parcels (i.e., 15 minus 6 [no data] minus 5 [groundwater not considered]). HERD recommends that risk management evaluation be performed only for these four EBS Parcels (140, 141, 150 and 159) based on this SIR.	**Response to Specific Comment 12 (continued).**
Specific Comment 13. HERD agrees with the preliminary ecological evaluation for EDC-12 (Section 6, page 6-1 through 6-6) that, based on the lack of significant habitat and lack of complete terrestrial exposure pathways, EDC-12 currently presents little if any ecological hazard to terrestrial receptors. Any future changes in land use which would cause development of more significant habitat or removal of large paved areas would require a more complete Ecological Risk Assessment. Potential ecological hazard associated with groundwater discharge to the adjacent Seaplane Lagoon is being addressed as part of the IR Program (i.e., IR 9 or IR 16).	**Response to Specific Comment 13.** Comment noted. No response necessary.
Conclusion. Several portions of the Human Health Risk Assessment require explanation or modification. A more complete identification of the 'ambient' soil or groundwater data set used to develop the incremental estimates of risk and/or hazard must be presented. A method for including the indoor inhalation exposure pathway must be included in the human health assessment. Reporting limits for a significant number contaminants in soil gas exceed health-based screening criteria. Exposure to groundwater contaminants is deferred to IR site investigations for five EBS Parcels. No data exists for six EBS Parcels. These data gaps require careful consideration of any recommendation for No Further Action for the affected EBS Parcels.	**Response to Conclusion.** As this comment represents a conclusion or summary of the preceding comments, please refer to the responses above.

Note:
* These responses identify changes to the subject document text, tables, and/or figures. The specific wording that appears in the document may differ slightly from that presented in these responses to comments. The edited version of the document was reviewed by Bechtel Environmental, Inc., to ensure that there are no substantive differences that would warrant further Navy and/or agency review and concurrence.

REGIONAL WATER QUALITY CONTROL BOARD

DRAFT OF RESPONSE TO COMMENTS* ON
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Comments from RWQCB, E. Simon, 1/17/07

GENERAL COMMENTS	RESPONSE TO GENERAL COMMENTS
General Comment 1. This report mentions on Page 4-2 that chemical concentrations were not compared to CTR criteria in this report because no groundwater samples were collected close enough to the shoreline (i.e., within 100 feet) to warrant such an assessment. For sites adjacent to the bay, such as EDC-12, the groundwater beneficial use of freshwater replenishment needs to be protected by comparison with CTR criteria. We have addressed this issue previously in a comment letter on the Site 28 Technical Memo (sent 10/23/06) as well as in an email to the Navy regarding the Site 14 Draft Final ROD (Sent 1/10/07).	**Response to General Comment 1.** The nearest groundwater sample to the shoreline collected within the portion of Transfer Parcel EDC-12 evaluated in this SI is located approximately 550 feet from the shoreline. Based on this distance, it is not considered appropriate to compare groundwater samples to CTR values.

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Comments from RWQCB, E. Simon, 1/17/07

SPECIFIC COMMENTS	RESPONSE TO SPECIFIC COMMENTS
Specific Comment 1. **Executive Summary, pg. ES-1; Background and Historical Uses –** For groundwater issues that are below EDC-12, but are being addressed by neighboring IR Sites remediation actions, please include a brief discussion of the nature and extent of contamination, including identification of chemicals of concern, extent and concentrations observed, and risks associated with expected future uses of the land overlying contaminated groundwater.	**Response to Specific Comment 1.** The scope of this SI is to evaluate areas within the transfer parcel boundaries that may have been impacted from historic site activities. For impacted areas currently being investigated by other programs (i.e. IR or CAAs), no additional evaluation is conducted in this SI. However, the nature and extent of contamination, chemicals of concern, and risks associated with contamination in these areas are provided in the RI reports for the IR sites or CAA reports and are referenced in Sections 3 and 8 of this SI. The following sentence has been added before the final sentence of the first paragraph on page 4-1: "The nature and extent of contamination at IR sites is included in the RI and chemical oxidation summary reports for the respective sites (Shaw 2005a, b)." Additionally, the following sentence has been added to the end of the third paragraph on page ES-2: "Groundwater analytical data from locations impacted by the IR Sites 9 and 16 groundwater plumes were excluded from the evaluation. Groundwater in these areas will continue to be addressed as part of the activities at the adjacent IR sites. The nature and extent of contamination at IR sites is included in the RI and chemical oxidation summary reports for the respective sites (Shaw 2005a,b)." Brief discussions of the IR site and CAA investigations that were conducted within the Transfer Parcel EDC-12 boundaries are provided in Sections 3.1.7 and 3.1.8. Figures 3-2, 4-1 through 4-6, and 7-1 of this SI show the extent of the IR site investigations within the boundaries of Transfer Parcel EDC-12. In addition, a new figure (Figure 4-2) entitled "Sampling Locations Included and Excluded from Evaluation in Transfer Parcel EDC-12" has also been added to further clarify the issue.

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Comments from RWQCB, E. Simon, 1/17/07

SPECIFIC COMMENTS	RESPONSE TO SPECIFIC COMMENTS
Specific Comment 2. **Executive Summary, pg. ES-2; Second paragraph from top –** Please include SWMUs, ASTs, or USTs being discussed in parentheses here for easy reference.	**Response to Specific Comment 2.** Listing of specific SWMU, AST, and UST identification numbers was omitted from the Executive Summary text in order to provide a concise synopsis of the report. Table ES-1 has been expanded to present the requested information except in the case of EBS Parcel 138, which had 4 SWMUs (ASTs 598A, 598B, and 598C as well as the cluster of USTs referred to as UST[R]-07/Area 37) but is not included in Table ES-1 because it is located within CAA-11B, and as such is being addressed under the TPH program).
Specific Comment 3. **Executive Summary, pg. ES-2; Historical Analytical Data – first paragraph –** This paragraph mentions that data for VOCs were compared to ESLs "in areas where groundwater is a potential drinking water source". Our current position is that all groundwater within the first water bearing zone below EDC-12 is a potential drinking water source. Please clarify that in all areas within EDC-12 groundwater is currently considered to be potential drinking water source by the Water Board.	**Response to Specific Comment 3.** The text has been revised as follows: "Analytical data for TPH were compared to environmental screening levels (ESLs) for soil less than 3 meters (approximately 10 feet) below ground surface. Additionally, soil gas data for VOCs were compared to ESLs for shallow soil gas."
Specific Comment 4. **Executive Summary, pg. ES-2; Historical Analytical Data – second paragraph, last sentence –** When discussing chemicals in the groundwater underlying EDC-12, please be clear when discussion includes or excludes underlying groundwater plumes that are being addressed by adjacent IR Site remediation efforts. Also on page 4-2.	**Response to Specific Comment 4.** As stated in the second paragraph of the "Background and Historical Uses" subsection of the Executive Summary (page ES-1): "Groundwater in the eastern portions of EBS Parcels 150B, 151, 154, and 201 is excluded from the evaluation because it is currently being addressed as part of remedial investigations at adjacent Installation Restoration (IR) Program sites." Therefore, data discussed in subsequent portions of the SI evaluation (such as data evaluation and human health risk) does not include data included in these areas (eastern portions of the EBS parcels discussed above). For clarification, the last sentence of page ES-2 has been amended to state: "No chemicals were reported in groundwater samples evaluated in this SI at concentrations above MCLs or ESLs." Corresponding sentences in Section 4 have also been amended.

DRAFT OF RESPONSE TO COMMENTS* ON
DRAFT SITE INSPECTION REPORT, TRANSFER PARCEL EDC-12
ALAMEDA POINT, ALAMEDA, CALIFORNIA
DATED OCTOBER 2006
CTO-0085

Comments from RWQCB, E. Simon, 1/17/07

SPECIFIC COMMENTS	RESPONSE TO SPECIFIC COMMENTS
Specific Comment 5. **Executive Summary, pg. ES-3; Human Health Risk –** Please briefly discuss how non-detects are handled in the risk assessments when detection limits are above ESLs/PRGs.	**Response to Specific Comment 5.** As stated in Section 5, maximum reported concentrations were used to calculate risk, therefore, non-detect results are not included in the human-health risk evaluation. However, locations where detection levels exceed screening criteria are presented in Appendix F and evaluated in the SI process to assess the presence of data gaps. If detection limits exceeding screening criteria are found to present a data gap, the data gap is addressed in Section 7 (See Section 7.6). The following sentence has been added to the end of the second paragraph of the "Human-Health Risk" discussion on page ES-3: "Analytical values below detection limits, including those exceeding screening criteria, were not included in the human-health risk calculations. An analysis of the impact of these nondetect values that exceeded screening criteria was conducted independently."
Specific Comment 6. **Executive Summary, pg. ES-3; Human Health Risk –** Individual risks for PAHs, non-PAHs, and Lead are discussed, but not an overall cumulative risk associated with all contaminants. Please either include a cumulative risk or include justification for not doing so. Also include discussion in Section 5.	**Response to Specific Comment 6.** Risks are presented that exceed the target risk levels. Overall cumulative risk is provided in Section 5 (please refer to bullets on pages 5-2 and 5-3), Table 5-1, and Appendix B of the SI report. The Executive Summary highlights the most significant findings (in this case, risks that exceeded target levels) of each evaluation conducted in the SI.
Specific Comment 7. **Executive Summary, pg. ES-3; Ecological Risk –** This paragraph states that no complete exposure pathways, special status species, or sensitive habitats were identified at EDC-12. However, EDC-12 lies immediately adjacent to Seaplane Lagoon. Please include discussion on how stormwater runoff and groundwater underlying EDC-12 may impact ecological receptors at Seaplane Lagoon.	**Response to Specific Comment 7.** Precipitation-initiated runoff is directed to storm drains, which are monitored under a separate program (see Section 6.2.4). However, stormwater runoff is not expected to impact ecological receptors because the storm sewers collect the stormwater runoff and direct it to nearby outfalls. Because 98 percent of the site is paved, there is no expected contact between stormwater and chemicals of potential ecological concern in soil. Additionally, the storm sewers were investigated (TtEMI 2000c), sewer line sediment was removed (TtEMI 2000c), additional investigations were conducted (TtEMI 2001b), and

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Comments from RWQCB, E. Simon, 1/17/07

SPECIFIC COMMENTS	RESPONSE TO SPECIFIC COMMENTS
Specific Comment 7 (continued)	**Response to Specific Comment 7** (continued). no further action was recommended (TtEMI 2001b). In addition, AOC 4 has been expanded to include further evaluation of sediments in storm drains. Although groundwater at Transfer Parcel EDC-12 flows towards Seaplane Lagoon, groundwater at the transfer parcel is not expected to impact the lagoon because the paved surface allows minimal infiltration that could contribute to recharging groundwater. Volatile organic compound (VOC) plumes identified at Transfer Parcel EDC-12 are associated with adjacent IR Sites 9 and 16 and are being addressed under those investigations.
Specific Comment 8. **Section 2.4.1 and 2.4.2, pg. 2-3: Hydrogeology –** A discussion of the hydrogeology at Alameda Point and EDC-12 specifically is not complete without mention of the FWBZ and the SWBZ. Please include these in this discussion and clarify that the SWBZ is typically more saline, whereas the FWBZ is less so.	**Response to Specific Comment 8.** The following has been added to the end of the hydrogeology discussion in Section 2.4.2: "In the southeastern portion of Alameda Point, the BSU does not occur as a continuous layer and the FWBZ occurs primarily in the fill soil. This fill layer, the Merritt Sand, and the underlying Upper San Antonio Formation extend to 80 feet bgs (Hickenbottom and Muir 1998, TtEMI 1999). The proximity to San Francisco Bay contributes to the presence of salt water in the aquifer. Groundwater at 30 to 70 feet bgs collected from wells in Transfer Parcel EDC-12 has been found to have elevated salinity, with TDS concentrations exceeding 10,000 mg/L (TtEMI 2000). Therefore, groundwater in deeper portions of the FWBZ at Transfer Parcel EDC-12 (below 20 to 30 feet bgs) is generally more saline than the shallow portions (10 to 30 feet bgs). Typical TDS levels for the shallow FWBZ inland from the shoreline with San Francisco Bay are 300 to 1,000 mg/L (freshwater). At distances of less than 200 feet from the shoreline, TDS values are generally greater than 1,000 mg/L and may approach levels found in seawater (35,000 mg/L) (TtEMI 2000, BEI 2005). The SWBZ as characterized in the central and western portions of Alameda Point does not exist in the southeastern area that includes Transfer Parcel EDC-12."

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CTO-0085

Comments from RWQCB, E. Simon, 1/17/07

SPECIFIC COMMENTS	RESPONSE TO SPECIFIC COMMENTS
Specific Comment 8 (continued).	**Response to Specific Comment 8** (continued). References: Bechtel Environmental Inc. 2005. Final Remedial Investigation Report, IR Site 27 Dock Zone, Alameda Point, Alameda, California. August. Hickenbottom, K., and K. Muir. 1988. Geohydrology and Groundwater Quality Overview of the East Bay Plain Area, Alameda County, California. Alameda County Flood Control and Water Conservation District, Report 205j. Tetra Tech EM Inc. 2000. Determination of the Beneficial Uses of Groundwater, Alameda Point, Alameda, California. July.
Specific Comment 9. **Section 3.1.7, pg. 3-7: Basewide Groundwater Monitoring Program –** Why are only the most recent data collected from the monitoring program included in this report? A historical compilation of groundwater data can provide trends or patterns which can be useful in the evaluation of long term remediation and risk.	**Response to Specific Comment 9.** There are no monitoring wells located in the portion of Transfer Parcel EDC-12 evaluated in this SI. Only grab groundwater samples have been collected in the evaluation area and therefore, a presentation of trends or patterns is not currently possible. Monitoring wells at Transfer Parcel EDC-12 are located within the portion of the transfer parcel excluded from this evaluation (i.e. within IR site or CAA investigation areas). Seasonal and long term trends for these wells are presented in the basewide groundwater monitoring program reports (Shaw 2005, ITSI 2006). The decision to present only the most current round of monitoring well results is based on the agreement reached between the Navy and regulatory agencies during the preparation of the Transfer Parcel EDC-5 SI.
Specific Comment 10. **Section 6.2.1, pg. 6-5: Ecological Habitats at Transfer Parcel EDC-12 –** While most of the surface at EDC-12 is either barren or urban habitat, which may currently support few wildlife species, the site does lies directly adjacent to Seaplane Lagoon. The proximal location of Seaplane Lagoon, and the potential impacts on this habitat from stormwater runoff and groundwater should be discussed when evaluating ecological impacts or exposure pathways.	**Response to Specific Comment 10.** Please see response to Specific Comment 7.

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SPECIFIC COMMENTS	RESPONSE TO SPECIFIC COMMENTS
Specific Comment 11. **Section 7, pg. 7-1: Conclusions and Recommendations –** Please include again for reference which sub parcels are located wholly or partially within CAAs and not addressed in this Site Inspection.	**Response to Specific Comment 11.** The following has been added after the first sentence of Section 7: "EBS parcels or portions of EBS parcels located in Transfer Parcel EDC-12 but also wholly or partially located in CAA-9, CAA-11A, or CAA-11B (EBS Parcels 138, 139, and 155C and portions of EBS Parcels 140, 150, 159, and 202) were not evaluated in this report. Additionally, groundwater in the eastern portions of EBS Parcels 150B, 151, 154, and 201 was excluded from the evaluation because it is currently being addressed as part of the remedial investigations at adjacent IR sites." Additionally, a figure has been added to Section 4 of this SI that depicts the areas within Transfer Parcel EDC-12 that are included versus excluded from the SI evaluation.
Specific Comment 12. **Figures 4-2 – 4-6:** With several IR Sites adjacent to EDC-12, it would be helpful if analytical results detected at these IR Sites close to EDC-12 are also included in these figures. With this information, a more complete assessment of the nature and extent of contamination can be made from these figures.	**Response to Specific Comment 12.** The scope of this SI is to evaluate areas within the transfer parcel boundaries that may have been impacted from historic site activities. For impacted areas currently being investigated by other programs (i.e. IR or CAAs) within or adjacent to the transfer parcel, no additional evaluation is conducted in this SI. Because these areas are not evaluated in this SI, the analytical results are not presented on SI figures. However, analytical data in these areas are provided in the RI reports for the IR sites or CAA reports and are referenced in Sections 3 and 8 of this SI.

Note:
* These responses identify changes to the subject document text, tables, and/or figures. The specific wording that appears in the document may differ slightly from that presented in these responses to comments. The edited version of the document was reviewed by Bechtel Environmental, Inc., to ensure that there are no substantive differences that would warrant further Navy and/or agency review and concurrence.

ATTACHMENT A

SOLID WASTE MANAGEMENT UNIT EVALUATION REPORT FOR TRANSFER PARCEL EDC-12

This report was prepared by SulTech (a joint venture of Sullivan Consulting Group and Tetra Tech EM Inc.) and provided to Bechtel Environmental, Inc., by the Department of the Navy as an attachment to this Site Inspection Report.

Draft

APPENDIX B
SOLID WASTE MANAGEMENT UNIT EVALUATION REPORT FOR ECONOMIC DEVELOPMENT CONVEYANCE PARCEL 12
Hazardous Waste Permit
EPA ID Number CA 2170023236

Naval Air Station Alameda
(Now Known as Alameda Point)
Alameda, California

NOVEMBER 11, 2005

Prepared for:
Base Realignment and Closure
Program Management Office West
San Diego, California

Prepared by:
SulTech, A Joint Venture of Sullivan Consulting Group and Tetra Tech EM Inc.
1230 Columbia Street, Suite 1000
San Diego, California 92101

Prepared under:
Naval Facilities Engineering Command
Contract Number N687-1103-D-5104
Contract Task Order 012

TC.B012.12243

Draft

Appendix B
Solid Waste Management Unit Evaluation Report for
Economic Development Conveyance Parcel 12
Hazardous Waste Permit EPA ID Number CA 2170023236
Alameda Point
Alameda, California

Contract Task Order 012
TC.B012.12243

PREPARED FOR:

DEPARTMENT OF THE NAVY

REVIEW AND APPROVAL

Project Manager: _____ Date: 11-11-05
Glynis Foulk, SulTech

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ACRONYMS AND ABBREVIATIONS

AST	Aboveground storage tank
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DTSC	California Environmental Protection Agency Department of Toxic Substances Control
EBS	Environmental baseline survey
EDC	Economic development conveyance
EPA	U.S. Environmental Protection Agency
ID	Identification
NADEP	Naval Aviation Depot
NAS	Naval Air Station
NFA	No further action
RCRA	Resource Conservation and Recovery Act
RFA	RCRA facility assessment
RFI	RCRA facility investigation
RI	Remedial investigation
SI	Site investigation
SulTech	A joint venture of Sullivan Consulting Group and Tetra Tech EM Inc.
SWMU	Solid waste management unit
Tetra Tech	Tetra Tech EM Inc.
TPH	Total petroleum hydrocarbon
UST	Underground storage tank

EXECUTIVE SUMMARY

The U.S. Department of the Navy, Base Realignment and Closure Program Management Office West, requested that SulTech prepare this solid waste management unit (SWMU) evaluation report to summarize the results of all past assessments and investigations of the SWMUs within economic development conveyance (EDC) parcel 12 at Alameda Point (formerly Naval Air Station [NAS] Alameda) in Alameda County, California. SulTech is a joint venture of Sullivan Consulting Group and Tetra Tech EM Inc. This report was prepared in accordance with Contract Task Order 0012, issued under the Architectural-Engineering Services to Provide Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)/Resource Conservation and Recovery Act/Underground Storage Tank Studies, Contract Number N68711-03-D-5104.

A total of 19 SWMUs are located in EDC 12. This report applied the Navy SWMU integration approach to all 19 of the SWMUs in EDC 12; all of these SWMUs are inactive. The integration approach resulted in a recommendation that 10 of the SWMUs be integrated with the Navy CERCLA program and that nine be integrated with the Navy's Total Petroleum Hydrocarbon (TPH) program. The 10 SWMUs recommended for the CERCLA program were evaluated further using the requirements stipulated in the final hazardous waste facility permit for former NAS Alameda (U.S. Environmental Protection Agency Identification Number CA 2170023236) to support further corrective action decisions at Alameda Point. (The SWMUs recommended for the TPH program were not evaluated). Based on the evaluations, this report recommends no further action for all 10 SWMUs. The Navy is requesting concurrence on these recommendations.

B.1.0 INTRODUCTION

The U.S. Department of the Navy, Base Realignment and Closure Program Management Office West, requested that SulTech prepare this solid waste management unit (SWMU) evaluation report to summarize the results of all past assessments and investigations of the SWMUs within the economic development conveyance (EDC) parcel 12 at Alameda Point (formerly Naval Air Station [NAS] Alameda) in Alameda County, California. SulTech is a joint venture of Sullivan Consulting Group and Tetra Tech EM Inc. (Tetra Tech). This report was prepared in accordance with Contract Task Order 0012, issued under the Architectural-Engineering Services to Provide Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)/Resource Conservation and Recovery Act (RCRA)/Underground Storage Tank (UST) Studies, Contract Number N68711-03-D-5104.

This evaluation report describes the procedures for, methods used in, and results of facility assessments and investigations of the SWMUs in EDC 12 and describes the general approach to investigating and evaluating potential remedies pertaining to SWMU corrective measures and closure at Alameda Point.

The SWMUs addressed in this report were evaluated using the requirements stipulated in the final hazardous waste facility permit for former NAS Alameda (U.S. Environmental Protection Agency [EPA] Identification [ID] Number CA 2170023236) to support further corrective action decisions at Alameda Point (California Environmental Protection Agency Department of Toxic Substances Control [DTSC] 1993).

The remainder of this appendix is divided into four sections. Section B.2.0 provides background information and the Navy's approaches for evaluating the SWMUs at Alameda Point. Section B.3.0 presents an evaluation for the SWMUs in EDC 12, and Section B.4.0 summarizes recommendations for the SWMUs. Finally, Section B.5.0 provides the references used to prepare this evaluation report.

B.2.0 BACKGROUND AND APPROACHES FOR EVALUATIONS OF SOLID WASTE MANAGEMENT UNITS

A "SWMU" is any unit at a hazardous waste facility from which hazardous constituents might migrate, irrespective of whether the unit was intended to manage wastes (Title 22 *California Code of Regulations* Section 66260.10). SWMUs at Alameda Point include areas of concern, generator accumulation points, CERCLA sites, oil-water separators, aboveground storage tanks (AST), USTs, washdown areas, and miscellaneous sites.

The following sections describe the history of SWMU assessments and investigations at Alameda Point (see Figure B2-1) and the Navy's approaches for ensuring that the results of the

assessments and investigations are evaluated in a manner consistent with the requirements of RCRA.

B.2.1 HISTORY OF SOLID WASTE MANAGEMENT UNIT ASSESSMENTS AND INVESTIGATIONS

Most of the SWMUs at Alameda Point were first identified in 1991 in an initial RCRA facility assessment (RFA) (DTSC 1992), which was required to obtain a permit to manage hazardous wastes in a number of specific management units that were no longer in operation at Alameda Point. According to Sections V.F through V.J of the final hazardous waste facility permit for Alameda Point (EPA ID CA 2170023236), information to support corrective action decisions for each SWMU was to be collected and submitted to DTSC. The permit described a typical RCRA corrective action process, which involves an analysis of RFA data to identify the SWMUs that require further evaluation in a RCRA facility investigation (RFI) and requires the Navy to identify additional SWMUs, as appropriate, and include them in the corrective action process.

The initial RFA identified 151 SWMUs and concluded that a number of them would need further investigation under an RFI, which is usually conducted under a series of RCRA permit modifications. After the final RCRA permit was issued, however, the Navy and the regulatory agencies concluded that the most efficient and effective approach for assessing any additional SWMUs and conducting RFIs would be to take advantage of functionally equivalent investigations. These investigations have been and continue to be conducted under a number of other Navy environmental programs. Types of investigations include environmental baseline surveys (EBS) under the Base Realignment and Closure property transfer program; investigations of possible releases of total petroleum hydrocarbons (TPH) from sources such as pipelines, USTs, and ASTs under the TPH program; and SIs and remedial investigations (RI) under the CERCLA program. Subsequent to the RFA and as a result of the investigations described previously, 215 additional SWMUs were identified and assessed at Alameda Point. These additional SWMUs were included in the final supplemental EBS (Tetra Tech 2003a).

The Navy received a letter dated November 1999 from DTSC with comments on the SWMUs after DTSC had reviewed the draft EBS; the final EBS was submitted in 2001 (International Technology Corporation 2001). DTSC concurred with the recommendation in the EBS for no further action (NFA) for some of the SWMUs. DTSC withheld concurrence with NFA for most of the SWMUs located within a CERCLA site, however, pending resolution of each site's RI report (DTSC 1999).

Recognizing that the investigation and management of SWMUs had been divided among a number of Navy programs, the Navy developed a SWMU evaluation approach coupled with a SWMU integration approach to ensure that all the SWMUs at Alameda Point would be managed under the appropriate Navy program and would receive appropriate response actions. These two SWMU approaches are described in Sections B.2.2 and B.2.3 of this report.

B.2.2 SOLID WASTE MANAGEMENT UNIT EVALUATION APPROACH

The SWMU evaluation approach is a three-step process that begins by listing the SWMUs identified and investigated under each Navy program. In the next step, a SWMU profile is compiled for each SWMU; these profiles consist of descriptive information on each SWMU, the name of the Navy program that provided the functional equivalent of an RFA (and in some cases, an RFI) for the SWMU, and the results of all investigations conducted on the SWMU, including figures and tables, as needed. In the final step, each SWMU profile is analyzed to determine whether the functional equivalents of the elements of a RCRA corrective action process have been conducted and whether any additional actions are needed.

B.2.3 SOLID WASTE MANAGEMENT UNIT INTEGRATION APPROACH

The purpose of the SWMU integration approach is to facilitate appropriate actions for all SWMUs under the appropriate Navy and regulatory programs. The approach allows final decisions to be made for basewide integration concerning each SWMU, so that petroleum-related SWMUs are addressed under the TPH program and most other SWMUs are addressed under the CERCLA program. Under the integration approach, CERCLA remedial actions or TPH corrective actions will comply with any RCRA corrective action requirements for the SWMUs. Figure B2-2 shows the SWMU integration approach.

Based on an evaluation of each of the SWMU profiles according to the steps in the SWMU evaluation process (see Section B.2.2), the Navy is recommending either NFA or further action for each SWMU. If further action is recommended, the appropriate Navy program will comply with any future RCRA corrective action requirements for the SWMUs. On an ongoing basis, the SWMUs will be evaluated to determine whether a SWMU has been or is being investigated under the appropriate Navy program. If a SWMU is found to be in the wrong program, it will be moved to the appropriate program.

Before the integration approach was developed, the Navy and the regulators had decided that the "regulated" waste management units originally included in the interim status document and final permit for Alameda Point (EPA ID CA 2170023236) would continue to be investigated and closed under the Navy's RCRA program, with oversight from DTSC. These regulated units are, therefore, not included in the integration approach and are not described in this report.

As a result of the SWMU integration approach, most of the SWMUs located within EDC 12 were integrated with the CERCLA program and are evaluated in this report (see Table B2-1). The remaining SWMUs located in EDC 12 were integrated with the TPH program and are not evaluated in this report (see Table B2-2).

The SWMU integration approach was submitted to DTSC in May 2004 for review; DTSC has not yet decided to accept the integration approach.

B.3.0 SOLID WASTE MANAGEMENT UNIT EVALUATION

Figure B3-1 shows the location of all of the SWMUs within EDC 12, including the SWMUs integrated with the CERCLA and TPH programs. Table B3-1 presents profiles for each of the SWMUs integrated with the CERCLA program. Each profile provides descriptive information on a SWMU, identifies the Navy program that was used to investigate the SWMU, and presents the results of the investigation. Each profile also recommends either NFA or further action. Many of the profiles reference a figure for EDC 12 (see Figures B3-2 and B3-3) that provides analytical data from soil or groundwater samples collected near the SWMU to examine potential sources of contamination and migration pathways. The analytical results are compared with preliminary remediation criteria for TPH listed in the closure strategy for petroleum-contaminated sites (Navy 2001), residential preliminary remediation goals for soil (EPA 1996, 2002, 2004), background concentrations for metals in soil (Tetra Tech 2001b), or maximum contaminant levels for groundwater (California Department of Health Services 2003), as appropriate.

B.4.0 RECOMMENDATIONS

Of the 19 SWMUs within EDC 12 evaluated in this report, this report recommends integrating 10 of them with the CERCLA program and nine with the TPH program. Evaluation of the 10 SWMUs recommended for the CERCLA program resulted in recommendations of NFA for all of them. The SWMUs recommended for the TPH program were not evaluated. The Navy is requesting concurrence on these recommendations.

B.5.0 REFERENCES

California Department of Health Services. 2003. "Maximum Contaminant Levels in Drinking Water" (extracted from Title 22 of the California Code of Regulations Sections 64431 – 64672.3). June 12.

California Environmental Protection Agency Department of Toxic Substances Control (DTSC). 1992. "RCRA Facility Assessment, Naval Air Station, Alameda, California." April.

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ERM-West, Inc. 1994. "Final Environmental Baseline Survey (EBS)/Community Environmental Response Facilitation Act Report for NAS/NADEP Alameda." October.

International Technology Corporation. 2001. "EBS Data Evaluation Summaries – Final, Alameda Point, Alameda, California, Volumes 0 through XIV." January.

SulTech. 2004. "Draft Petroleum Aboveground Storage Tanks Assessment and Closure Request, Alameda, Point, Alameda, California." November.

Tetra Tech EM Inc (Tetra Tech). 2001a. "Evaluation of Total Petroleum Hydrocarbons at EBS Parcels at Alameda Point." October.

Tetra Tech. 2001b. "Summary of Background Concentrations in Soil and Groundwater, Alameda Point, Alameda, California." November.

Tetra Tech. 2003a. "Final Supplemental Environmental Baseline Survey, Alameda Point, Alameda, California." March.

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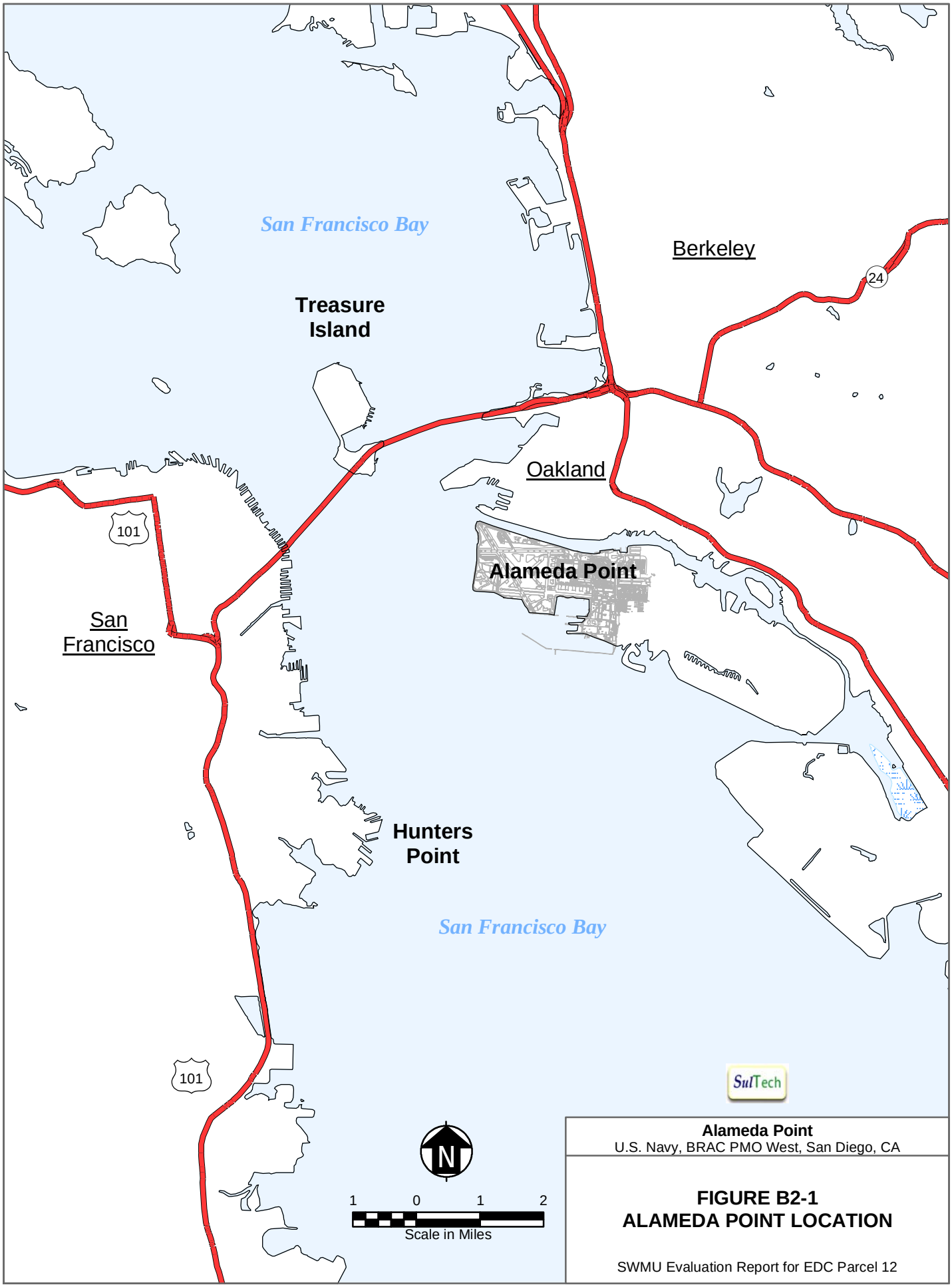
U.S. Department of the Navy. 2001. "Preliminary Remediation Criteria and Closure Strategy for Petroleum-Contaminated Sites at Alameda Point, Alameda, California." May 16.

U.S. Environmental Protection Agency (EPA). 1996. "Region 9 Preliminary Remediation Goals."

EPA. 2002. "Region 9 Preliminary Remediation Goals." October.

EPA. 2004. "Region 9 Preliminary Remediation Goals." October.

FIGURES



Alameda Point
U.S. Navy, BRAC PMO West, San Diego, CA

FIGURE B2-1
ALAMEDA POINT LOCATION

SWMU Evaluation Report for EDC Parcel 12

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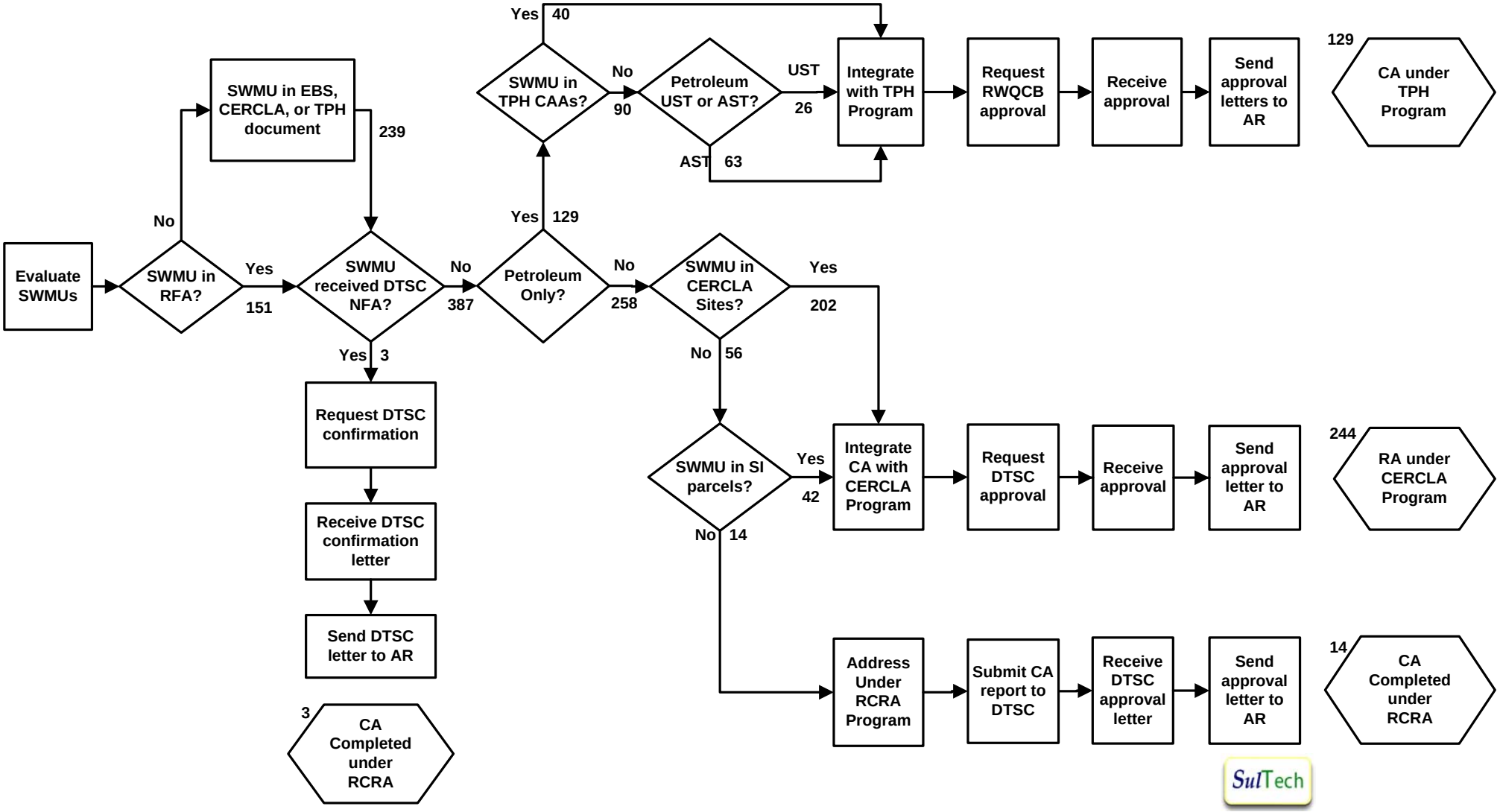


NOTES

1. SWMUs include CERCLA sites, USTs, ASTs, oil-water separators, washdown areas, and underground fuel pipelines but exclude RCRA-regulated units
2. Numbers indicate number of SWMUs

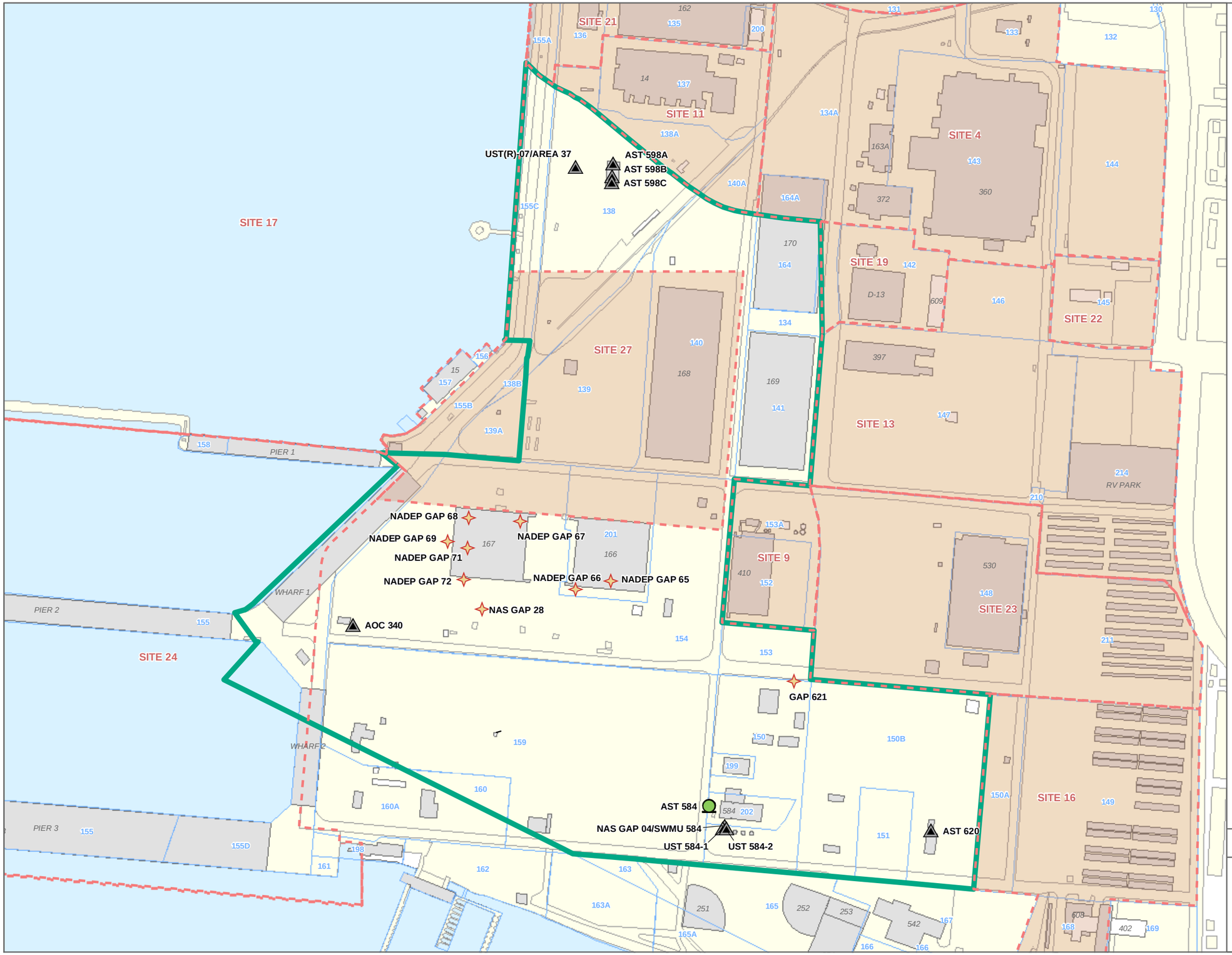
ACRONYMS

AR	Administrative Record
AST	Aboveground Storage Tank
CA	Corrective Action
CAA	Corrective Action Area
CERCLA	Comp. Env. Resp., Compensation, and Liability Act
DTSC	Cal EPA Department of Toxic Substances Control
EBS	Environmental Baseline Survey
NFA	No Further Action
RA	Response Action
RCRA	Resource Conservation and Recovery Act
RFA	RCRA Facility Assessment
RWQCB	Regional Water Quality Control Board
SI	Site Investigation
SWMU	Solid Waste Management Unit
TPH	Total Petroleum Hydrocarbon
UST	Underground Storage Tank

Alameda Point
Department of the Navy, BRAC PMO West, San Diego, CA

FIGURE B2-2
SOLID WASTE MANAGEMENT UNIT INTEGRATION APPROACH
RCRA Hazardous Waste Facility Permit
EPA ID CA 2170023236
NAS Alameda, Alameda, CA

Updated October 26, 2005



ABOVEGROUND STORAGE TANK (AST), REMOVED

GENERATOR ACCUMULATION POINT (GAP)

OIL-WATER SEPARATOR (OWS)

SWMUs INTEGRATED WITH THE TPH PROGRAM

BUILDING

Present

Removed

CERCLA SITE

DISPOSAL PARCEL EDC-12

ENVIRONMENTAL BASELINE SURVEY (EBS) PARCEL AND NUMBER

LAND COVER

WATER

Notes:

AOC = Area of concern
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
NADEP = Naval Aviation Depot
NAS = Naval Air Station
RV = Recreational Vehicle
RCRA = Resource Conservation and Recovery Act
SWMU = Solid Waste Management Unit
TPH = Total petroleum hydrocarbon
UST(R) = RCRA-identified UST

N

150 0 150 300 Feet

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FIGURE B3-1
SWMUs LOCATED WITHIN EDC PARCEL 12

SWMU Evaluation Report for EDC Parcel 12

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SITE 17

154-001-005	154-0005M
Depth (feet)	4.0 to 4.5
Sample Date	06/12/95
Petroleum products in soil (mg/kg):	
TPH-diesel	1 U
TPH-gasoline	0.5 U
TPH-motor oil	26 U
Only the following detection of metals occurred in soil above 95 UCL concentrations (Blue Background Area) (units are mg/kg):	
Arsenic	**1.0**
Semivolatile organic compounds in soil not detected at reported values.	

154-002-010	154-0010M
Depth (feet)	4.0 to 4.5
Sample Date	06/19/95
Petroleum products in soil (mg/kg):	
TPH-diesel	1 U
TPH-gasoline	0.5 U
TPH-motor oil	26 U
Only the following detections of metals occurred in soil above 95 UCL concentrations (Blue Background Area) (units are mg/kg):	
Arsenic	**1.2**
Mercury	0.22
Volatile organic compounds in soil not detected at reported values.	
Semivolatile organic compounds in soil not detected at reported values.	

154-002-009	154-0009	154-0009M
Depth (feet)	0.5 to 1.0	0.5 to 1.0
Sample Date	06/14/95	06/14/95
Petroleum products in soil (mg/kg):		
TPH-diesel	10 U	1 U
TPH-gasoline	0.5 U	0.5 U
TPH-motor oil	20 U	26 U
Only the following detections of metals occurred in soil above 95 UCL concentrations (Blue Background Area) (units are mg/kg):		
Arsenic	**1.1 B**	**1.1**
Mercury	0.15 U	0.12
Volatile organic compounds in soil not detected at reported values.		
Only the following detection of semivolatile organic compounds occurred in soil (units are mg/kg):		
Bis(2-ethylhexyl)phthalate	0.028 J	0.35 U

154-003-011	154-0011	154-0011M	154-0024	154-0024M
Depth (feet)	0.5 to 1.0	0.5 to 1.0	4.0 to 4.5	4.0 to 4.5
Sample Date	06/14/95	06/14/95	06/14/95	06/14/95
Petroleum products in soil (mg/kg):				
TPH-diesel	10 U	1 U	11 U	1 U
TPH-gasoline	0.5 U	0.5 U	0.5 U	0.5 U
TPH-motor oil	21 U	26 U	21 U	27 U
Only the following detections of metals occurred in soil above 95 UCL concentrations (Blue Background Area) (units are mg/kg):				
Arsenic	**1.4 B**	**1.2**	**1 B**	**1.2**
Calcium	19,900 *J	NA	2,250 *J	NA
Mercury	0.16 U	0.1 U	0.16 U	0.14
Only the following detection of volatile organic compounds occurred in soil (units are mg/kg):				
Butnone2	0.01 U	0.01 U	0.002 J	0.011 U
Only the following detections of semivolatile organic compounds occurred in soil (units are mg/kg):				
Bis(2-ethylhexyl)phthalate	0.038 J	0.35 U	0.035 J	0.36 U
Di-n-Butylphthalate	0.34 U	0.35 U	0.097 J	0.36 U

154-001-008	154-0008M	154-0029M
Depth (feet)	4.0 to 4.5	Duplicate
Sample Date	06/12/95	06/12/95
Petroleum products in soil (mg/kg):		
TPH-diesel	1 U	1 U
TPH-gasoline	0.5 U	0.5 U
TPH-motor oil	26 U	26 U
Only the following detections of metals occurred in soil above 95 UCL concentrations (Blue Background Area) (units are mg/kg):		
Arsenic	**1.2**	**1.2**
Mercury	0.1	0.11
Volatile organic compounds in soil not detected at reported values.		
Semivolatile organic compounds in soil not detected at reported values.		

154-003-012	154-0012	154-0012M	154-0025	154-0025M
Depth (feet)	0.5 to 1.0	0.5 to 1.0	4.0 to 4.5	4.0 to 4.5
Sample Date	06/13/95	06/13/95	06/13/95	06/13/95
Petroleum products in soil (mg/kg):				
TPH-diesel	10 U	1 U	10 U	1 U
TPH-gasoline	0.5 U	0.5 U	0.5 U	0.5 U
TPH-motor oil	21 U	27 U	27 ZJ	26 U
Only the following detections of metals occurred in soil above 95 UCL concentrations (Blue Background Area) (units are mg/kg):				
Arsenic	**0.91 B**	**1.2**	**1.5 B**	**1.1**
Barium	35.8 B	40.7	61.2	87.6
Calcium	3,060 *J	NA	7,360 *J	NA
Cadmium	0.67 B	0.35	0.06 U	0.25
Volatile organic compounds in soil not detected at reported values.				
Only the following detection of semivolatile organic compounds occurred in soil (units are mg/kg):				
Bis(2-ethylhexyl)phthalate	0.35 U	0.35 U	0.026 J	0.35 U
Di-n-Butylphthalate	0.19 J	0.35 U	0.34 U	0.35 U

154-003-014	154-0014M	154-0027M
Depth (feet)	0.5 to 1.0	4.0 to 4.5
Sample Date	06/14/95	06/14/95
Petroleum products in soil (mg/kg):		
TPH-diesel	1 U	1 U
TPH-gasoline	0.5 U	0.5 U
TPH-motor oil	27 U	27 U
Only the following detection of metals occurred in soil above 95 UCL concentrations (Blue Background Area) (units are mg/kg):		
Arsenic	**1.2**	**1.1**
Volatile organic compounds in soil not detected at reported values.		
Semivolatile organic compounds in soil not detected at reported values.		

154-004-015	154-0015M
Depth (feet)	4.0 to 4.5
Sample Date	06/14/95
Petroleum products in soil (mg/kg):	
TPH-diesel	1 U
TPH-gasoline	0.5 U
TPH-motor oil	26 U
Only the following detection of metals occurred in soil above 95 UCL concentrations (Blue Background Area) (units are mg/kg):	
Arsenic	**1**
Volatile organic compounds in soil not detected at reported values.	
Semivolatile organic compounds in soil not detected at reported values.	

154-003-013	154-0013M	154-0026M
Depth (feet)	0.5 to 1.0	4.0 to 4.5
Sample Date	06/14/95	06/14/95
Petroleum products in soil (mg/kg):		
TPH-diesel	1 U	1 U
TPH-gasoline	0.5 U	0.5 U
TPH-motor oil	27 U	26 U
Only the following detection of metals occurred in soil above 95 UCL concentrations (Blue Background Area) (units are mg/kg):		
Arsenic	**1**	**1.2**
Volatile organic compounds in soil not detected at reported values.		
Semivolatile organic compounds in soil not detected at reported values.		

PIER 1
WHARF 1
SITE 24
SITE 27
155B
139A
139
155
154
167
166
201
159
NADEP GAP 68
NADEP GAP 67
NADEP GAP 69
NADEP GAP 71
NADEP GAP 72
NADEP GAP 65
NADEP GAP 66
NAS GAP 28

SOIL SAMPLING LOCATION
- Soil Boring
- Surface Location
- CATCH BASIN
- GENERATOR ACCUMULATION POINT (GAP)
- MANHOLE
- STORM SEWER LINE

BUILDING
- Present
- Removed

- CERCLA SITE
- DISPOSAL PARCEL EDC-12
- ENVIRONMENTAL BASELINE SURVEY (EBS) PARCEL AND NUMBER
- LAND COVER
- WATER

Notes:

Bold values indicate "Exceeds residential PRG."

* = Duplicate analysis not within control limits
B = Value was less than the contract required detection limit (CRDL), but greater than the instrument detection limit (IDL)
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
J = Analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample
M = Mobile laboratory
mg/kg = Milligrams per kilogram
NA = Not analyzed
NADEP = Naval Aviation Depot
NAS = Naval Air Station
PRG = Preliminary Remediation Goal
SWMU = Solid Waste Management Unit
TPH = Total petroleum hydrocarbon
U = Analyzed for, but not detected (at reported value)
UCL = Upper Confidence Limit
Z = Chromatographic response did not resemble a typical fuel pattern

40 0 40 80 Feet

N

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FIGURE B3-2
EBS PARCELS 154 AND 201
SAMPLING RESULTS

SWMU Evaluation Report for EDC Parcel 12

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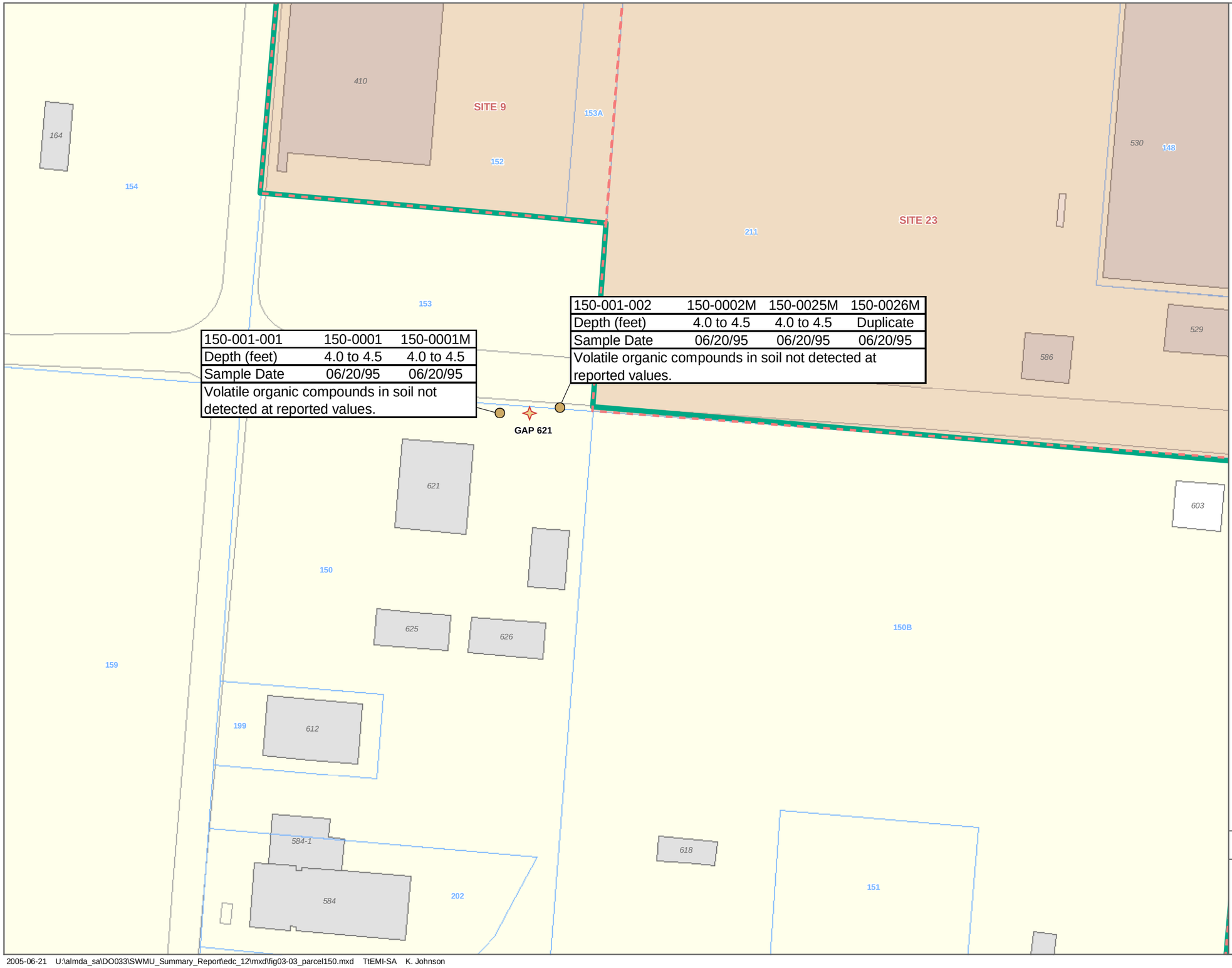

SAMPLING LOCATION

- Soil Boring
- GENERATOR ACCUMULATION POINT (GAP)
- DISPOSAL PARCEL EDC-12
- CERCLA SITE
- # ENVIRONMENTAL BASELINE SURVEY (EBS) PARCEL AND NUMBER

BUILDING

- Present
- Removed

LAND COVER

Notes:

CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
M = Mobile laboratory
SWMU = Solid Waste Management Unit

N

40 0 40 80 Feet

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FIGURE B3-3
EBS PARCEL 150
SAMPLING RESULTS

SWMU Evaluation Report for EDC Parcel 12

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TABLES

TABLE B2-1: SOLID WASTE MANAGEMENT UNITS INTEGRATED WITH THE CERCLA PROGRAM IN EDC PARCEL 12 AT ALAMEDA POINT

Solid Waste Management Unit Evaluation Report for Economic Development Conveyance Parcel 12

EBS Subparcel	Identification	Navy Recommendation/ Closure Status	Refer to Figure for Sample Results
150	GAP 621	NFA Recommended	Figure B3-3
154	NADEP GAP 67	NFA Recommended	NA
154	NADEP GAP 68	NFA Recommended	Figure B3-2
154	NADEP GAP 69	NFA Recommended	NA
154	NADEP GAP 71	NFA Recommended	Figure B3-2
154	NADEP GAP 72	NFA Recommended	Figure B3-2
154	NAS GAP 28	NFA Recommended	Figure B3-2
201	NADEP GAP 65	NFA Recommended	NA
201	NADEP GAP 66	NFA Recommended	Figure B3-2
202	AST 584	NFA Recommended	NA

Notes:

AOC	Area of concern
AST	Aboveground storage tank
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
EBS	Environmental baseline survey
EDC	Economic development conveyance
GAP	Generator accumulation point
NA	Not applicable
NADEP	Naval Aviation Depot
NAS	Naval Air Station
NFA	No further action
OWS	Oil-water separator
(R)	RCRA
RCRA	Resource Conservation and Recovery Act
SWMU	Solid waste management unit
UST	Underground storage tank
WD	Washdown

TABLE B2-2: SOLID WASTE MANAGEMENT UNITS INTEGRATED WITH THE TOTAL PETROLEUM HYDROCARBON PROGRAM IN EDC PARCEL 12 AT ALAMEDA POINT

Solid Waste Management Unit Evaluation Report for Economic Development Conveyance Parcel 12

EBS Subparcel	Identification	Material Stored/Disposed	Navy Recommendation/ Closure Status
138	AST 598A	Fuel oil (previously AVGAS)	NFA Recommended
138	AST 598B	Fuel oil (previously AVGAS)	NFA Recommended
138	AST 598C	AVGAS	NFA Recommended
138	UST(R)-07/Area 37	Diesel, Gasoline, Jet Fuel, & Various Petroleum Wastes	Further Action Recommended
150B	AST 620	Gasoline	NFA Recommended
150	NAS GAP 04/SWMU 584	Waste oil and diesel	NFA Recommended
154	AOC 340	Diesel	Closed by RWQCB
202	UST 584-1	Diesel	NFA Recommended
202	UST 584-2	Diesel	NFA Recommended

Notes:

ASTs and USTs containing petroleum are being addressed by RWQCB. ASTs evaluated in assessment report (SulTech 2004).

AOC	Area of concern
AST	Aboveground storage tank
AVGAS	Aviation gas
EBS	Environmental baseline survey
EDC	Economic development conveyance
GAP	Generator accumulation point
NA	Not applicable
NAS	Naval Air Station
NFA	No further action
OWS	Oil-water separator
(R)	RCRA
RCRA	Resource Conservation and Recovery Act
RWQCB	Regional Water Quality Control Board
SWMU	Solid waste management unit
UST	Underground storage tank

SWMU Identifier **GAP 621** **Refer to Figure #** Figure B3-3

Navy Recommendation/Closure Status **NFA Recommended**

Location Description

Disposal Parcel EDC 12 **CERCLA Site** NA

EBS Subparcel 150 **TPH CAA** NA

Associated Building 621 **Building Status** Present **Leasing Status** Leased by ARRA

Building Name Waterfront Operations Building

Additional Information Outside the northeast corner of Building 621; approximate location shown on figure

Operational Information for SWMU

Type of Unit Generator Accumulation Point

Capacity (gallons) Varied containers including 55-gallon drums

Period of Operation GAPs were formally identified in 1987 and continued to operate until base closure and building cleanup were initiated in 1997. Actual startup dates are unknown.

Material Managed at SWMU Cleaning agents, paints, and solvents

Source of Initial SWMU Identification

SWMU # in RFA Not identified in RFA **Recommendation in RFA** NA

Recommendation for NFA from DTSC in 1999 NA

SWMU Identified in Other Sources CERFA EBS (ERM-West 1994); EBS (IT 2001)

Tank-Related Information

Status of Tank NA **Status of Associated Aboveground Pipes** NA

Data Analysis

GAP 621 was generically identified in the Phase I EBS as a hazardous waste accumulation area located at the fence line, near the northeast corner of Building 621. Building 621 was identified as a Mare Island Naval Shipyard (MINS) Remote Site Facility and was used as an industrial machine shop. A MINS remote off-site support facility storage area was located next to Building 621 (ERM West 1994). GAP 621 was also generically identified in the EBS, Zone 19, Parcel 150, evaluation data summary report (IT 2001). While the IT EBS states that no RCRA sites were located on the parcel, a hazardous materials locker and three 55-gallon drums of cleaning agents were documented outside the northeast corner of Building 621. This hazardous waste accumulation area was paved with asphalt and addressed as Target Area 1 (Open Space I). Two subsurface samples with confirmation splits and a duplicate were collected from the target area. Samples were analyzed for VOCs because the ground may have been contaminated by releases of VOCs contained in paints and solvents. No VOCs were detected. No addition sampling was recommended in this area (IT 2001). No further action is recommended for GAP 621.

Nondetect Review:

Nondetect values were compared with 2004 Region 9 residential PRGs and Cal-modified PRGs, when available. All nondetect values for VOCs in soil less than PRGs.

Site Visit(s)

NA

SWMU Identifier **NADEP GAP 67** **Refer to Figure #** NA

Navy Recommendation/Closure Status **NFA Recommended**

Location Description

Disposal Parcel EDC 12 **CERCLA Site** NA

EBS Subparcel 154 **TPH CAA** NA

Associated Building 167 **Building Status** Present **Leasing Status** Leased by ARRA

Building Name Aircraft Maintenance/Propeller Shop

Additional Information Building 167 (inside), Shop 96311; area 5 feet by 5 feet on concrete; approximate location

Operational Information for SWMU

Type of Unit Generator Accumulation Point

Capacity (gallons) Unknown

Period of Operation GAPs were formally identified in 1987 and continued to operate until base closure and building cleanup were initiated in 1997. Actual startup dates are unknown.

Material Managed at SWMU Oil-contaminated rags and aerosol paint

Source of Initial SWMU Identification

SWMU # in RFA GI-51 **Recommendation in RFA** RFI Not Required

Recommendation for NFA from DTSC in 1999 NA

SWMU Identified in Other Sources CERFA EBS (ERM-West 1994); EBS (IT 2001)

Tank-Related Information

Status of Tank NA **Status of Associated Aboveground Pipes** NA

Data Analysis

NADEP GAP 67 was located in the northeast corner of Building 167. According to the RFA, the GAP exhibited a low potential for releases into the soil, groundwater, and surface water because the site was located indoors on a concrete floor (DTSC 1992). The GAP was considered to be low priority with no further investigation required. The same conclusion was reached during the Phase I EBS (ERM West 1994). The interior of Building 167 was investigated as Target Area 1 in the EBS, Zone 19, Parcel 154, evaluation data summary report (IT 2001). Surface and subsurface soil samples were collected at the most heavily stained areas of the building and analyzed for TPHs, metals, VOCs, and SVOCs. None were collected in the northeastern portion of Building 167 near the GAP. Additional soil and groundwater sampling was recommended only for the southwest corner of Building 167. No additional sampling was recommended for the remainder of the building (which included the NADEP GAP 67 area). Based on these prior assessments, no further action is recommended for NADEP GAP 67.

Nondetect Review:

NA

Site Visit(s)

2002 visit: Building 167 is currently used as a boat repair facility. Boats and boating material encompass the entire facility. A Navy representative confirmed that the current tenant had redone all of the flooring and completely changed the interior of the building from the time NADEP GAP 67 was in use.

SWMU Identifier **NADEP GAP 68** **Refer to Figure #** Figure B3-2

Navy Recommendation/Closure Status **NFA Recommended**

Location Description

Disposal Parcel EDC 12 **CERCLA Site** NA

EBS Subparcel 154 **TPH CAA** NA

Associated Building 167 **Building Status** Present **Leasing Status** Leased by ARRA

Building Name Aircraft Maintenance/Propeller Shop

Additional Information Building 167 (inside), Shop 96314; area 5 feet by 5 feet on concrete; approximate location shown on figure

Operational Information for SWMU

Type of Unit Generator Accumulation Point

Capacity (gallons) 55-gallon drums

Period of Operation GAPs were formally identified in 1987 and continued to operate until base closure and building cleanup were initiated in 1997. Actual startup dates are unknown.

Material Managed at SWMU Oil-contaminated rags and waste adhesives cans

Source of Initial SWMU Identification

SWMU # in RFA GI-52 **Recommendation in RFA** RFI Not Required

Recommendation for NFA from DTSC in 1999 NA

SWMU Identified in Other Sources CERFA EBS (ERM-West 1994); EBS (IT 2001)

Tank-Related Information

Status of Tank NA **Status of Associated Aboveground Pipes** NA

Data Analysis

NADEP GAP 68 was located in the northwestern corner of Building 167. According to the RFA, the GAP exhibited a low potential for releases into the soil, groundwater, and surface water because the site was located indoors on a concrete floor (DTSC 1992). The GAP was considered to be low priority with no further investigation required. The same conclusion was reached during the Phase I EBS (ERM West 1994). The interior of Building 167 was investigated as Target Area 1 in the EBS, Zone 19, Parcel 154, evaluation data summary report (IT 2001). Surface and subsurface soil samples were collected at the most heavily stained areas of the building and analyzed for TPHs, metals, VOCs, and SVOCs. As depicted on the figure for EBS Parcel 154, subsurface location 154-001-008 was sampled near the GAP. TPHs, VOCs, and SVOCs were not detected. Arsenic was detected at concentrations above the Cal-modified PRG (EPA 2004); however, the concentrations were below the 95 UCL concentration (Blue Background Area). IT recommended additional soil and groundwater sampling for the southwest corner of Building 167. No additional sampling was recommended for the remainder of the building (which included the NADEP GAP 68 area). Based on these prior assessments, no further action is recommended for NADEP GAP 68.

Nondetect Review:

Nondetect values were compared with 2004 Region 9 residential PRGs and Cal-modified PRGs, when available. All nondetect values for VOCs in soil less than PRGs. All nondetect values for SVOCs in soil less than PRGs except benzo(a)pyrene, benzidine, bis(2-chloroethyl)ether, dibenzo(a,h)anthracene, 3,3-dichlorobenzidine, hexachlorobenzene, N-nitroso-di-N-propylamine, and N-nitrosodimethylamine. All nondetect values for metals in soil less than PRGs.

Site Visit(s)

2002 visit: Building 167 is currently used as a boat repair facility. Boats and boating material encompass the entire facility. A Navy representative confirmed that the current tenant had redone all of the flooring and completely changed the interior of the building from the time NADEP GAP 68 was in use.

SWMU Identifier **NADEP GAP 69** **Refer to Figure #** NA

Navy Recommendation/Closure Status **NFA Recommended**

Location Description

Disposal Parcel EDC 12 **CERCLA Site** NA

EBS Subparcel 154 **TPH CAA** NA

Associated Building 167 **Building Status** Present **Leasing Status** Leased by ARRA

Building Name Aircraft Maintenance/Propeller Shop

Additional Information West of Building 167, associated with Shop 96313; 5,000-gallon tanker truck, 15 feet wide and 40 feet long (formerly called AST 167), filled on concrete; approximate location

Operational Information for SWMU

Type of Unit Generator Accumulation Point

Capacity (gallons) 5,000-gallon tank

Period of Operation GAPs were formally identified in 1987 and continued to operate until base closure and building cleanup were initiated in 1997. Actual startup dates are unknown.

Material Managed at SWMU Corrosive waste with heavy metals including caustic soda, nitric acid, and chromic acid

Source of Initial SWMU Identification

SWMU # in RFA GI-53 **Recommendation in RFA** RFI Not Required

Recommendation for NFA from DTSC in 1999 NA

SWMU Identified in Other Sources CERFA EBS (ERM-West 1994); EBS (IT 2001)

Tank-Related Information

Status of Tank NA **Status of Associated Aboveground Pipes** NA

Data Analysis

NADEP GAP 69 was located outside the western wall of Building 167 and consisted of a 5,000-gallon tanker trailer. A hose connected the trailer directly to an outlet on the side of the building. Within 90 days, or when the truck was nearly full (whichever came first), the tanker was driven to IWTP 5 where its contents were run through the treatment system. According to the RFA, NADEP GAP 69 exhibited a low potential for releases (none known) into the soil, groundwater, and surface water because the site was located above ground on a concrete surface and was inspected weekly (DTSC 1992). The GAP was considered to be low priority with no further investigation required. The same conclusion was reached during the Phase I EBS (ERM West 1994). A discussion of NADEP GAP 69 was included in the EBS, Zone 19, Parcel 154, evaluation data summary report; however, the EBS incorrectly states that NADEP GAP 69 was located inside Building 167 (IT 2001). Based on these prior assessments, no further action is recommended for NADEP GAP 69.

Nondetect Review:

NA

Site Visit(s)

2002 visit: Building 167 is currently used as a boat repair facility. Boats and boating material encompass the entire facility. The west side of the building is a parking/storage lot, and portions of the western exterior wall are landscaped. A Navy representative confirmed that the current tenant had altered the building from the time NADEP GAP 69 was in use.

SWMU Identifier **NADEP GAP 71** **Refer to Figure #** Figure B3-2

Navy Recommendation/Closure Status **NFA Recommended**

Location Description

Disposal Parcel EDC 12 **CERCLA Site** NA

EBS Subparcel 154 **TPH CAA** NA

Associated Building 167 **Building Status** Present **Leasing Status** Leased by ARRA

Building Name Aircraft Maintenance/Propeller Shop

Additional Information Building 167 (inside), Shop 96312; area 5 feet by 5 feet on concrete; approximate location shown on figure

Operational Information for SWMU

Type of Unit Generator Accumulation Point

Capacity (gallons) Varied containers up to 55-gallon drums

Period of Operation GAPs were formally identified in 1987 and continued to operate until base closure and building cleanup were initiated in 1997. Actual startup dates are unknown.

Material Managed at SWMU Aerosol paint and lube cans, rags contaminated with oil and solvent, small cans of paint and resin

Source of Initial SWMU Identification

SWMU # in RFA GI-54 **Recommendation in RFA** RFI Not Required

Recommendation for NFA from DTSC in 1999 NA

SWMU Identified in Other Sources CERFA EBS (ERM-West 1994); EBS (IT 2001)

Tank-Related Information

Status of Tank NA **Status of Associated Aboveground Pipes** NA

Data Analysis

NADEP GAP 71 was located inside the western portion of Building 167. According to the RFA, NADEP GAP 71 exhibited a low potential for releases into the soil, groundwater, and surface water because the site was located indoors on a concrete floor (DTSC 1992). The GAP was considered to be low priority with no further investigation required. The same conclusion was reached during the Phase I EBS (ERM West 1994). The interior of Building 167 was investigated as Target Area 1 in the EBS, Zone 19, Parcel 154, evaluation data summary report (IT 2001). Surface and subsurface soil samples were collected at the most heavily stained areas of the building and analyzed for TPHs, metals, VOCs, and SVOCs. As depicted on the figure for EBS Parcel 154, subsurface location 154-001-005 was sampled near the GAP. TPHs and SVOCs were not detected; VOCs were not analyzed. Arsenic was detected at a concentration above the Cal-modified PRG (EPA 2004); however, the concentration was below the 95 UCL concentration (Blue Background Area). IT recommended additional soil and groundwater sampling for the southwest corner of Building 167. No additional sampling was recommended for the remainder of the building (which included the NADEP GAP 71 area). Based on these prior assessments, no further action is recommended for NADEP GAP 71.

Nondetect Review:

Nondetect values were compared with 2004 Region 9 residential PRGs and Cal-modified PRGs, when available. All nondetect values for SVOCs in soil less than PRGs except benzo(a)pyrene, benzidine, bis(2-chloroethyl)ether, dibenzo(a,h)anthracene, 3,3-dichlorobenzidine, hexachlorobenzene, N-nitroso-di-N-propylamine, and N-nitrosodimethylamine. All nondetect values for metals in soil less than PRGs.

Site Visit(s)

2002 visit: Building 167 is currently used as a boat repair facility. Boats and boating material encompass the entire facility. A Navy representative confirmed that the current tenant had redone all of the flooring and completely changed the interior of the building from the time NADEP GAP 71 was in use.

SWMU Identifier **NADEP GAP 72** **Refer to Figure #** Figure B3-2

Navy Recommendation/Closure Status **NFA Recommended**

Location Description

Disposal Parcel EDC 12 **CERCLA Site** NA

EBS Subparcel 154 **TPH CAA** NA

Associated Building 167 **Building Status** Present **Leasing Status** Leased by ARRA

Building Name Aircraft Maintenance/Propeller Shop

Additional Information Outside southwestern wall of Building 167, Shop 96313; area 15 feet by 5 feet on concrete; approximate location shown on figure

Operational Information for SWMU

Type of Unit Generator Accumulation Point

Capacity (gallons) 55-gallon drums

Period of Operation GAPs were formally identified in 1987 and continued to operate until base closure and building cleanup were initiated in 1997. Actual startup dates are unknown.

Material Managed at SWMU 55-gallon drums of hydraulic oil, PD-680, sweeping compound, and scrap lead

Source of Initial SWMU Identification

SWMU # in RFA GI-55 **Recommendation in RFA** RFI Not Required

Recommendation for NFA from DTSC in 1999 NA

SWMU Identified in Other Sources CERFA EBS (ERM-West 1994); EBS (IT 2001)

Tank-Related Information

Status of Tank NA **Status of Associated Aboveground Pipes** NA

Data Analysis

NADEP GAP 72 is located outside the southwestern corner of Building 167. According to the RFA, NADEP GAP 72 exhibited a low potential for releases into the soil, groundwater, and surface water because the unit had secondary containment for the liquids (poly safety packs) and was atop a concrete floor (DTSC 1992). The GAP was considered to be low priority with no further investigation required. The same conclusion was reached during the Phase I EBS (ERM West 1994). NADEP GAP 72 was investigated as Target Area 2 (Open Space I) in the EBS, Zone 19, Parcel 154, evaluation data summary report (IT 2001). As depicted on the figure for EBS Parcel 154, one surface (154-0009M with split confirmation 154-0009) and one subsurface (154-0010M) soil sample were collected from heavily stained areas in Target Area 2 (outside southwest corner of Building 167). Samples were analyzed for TPHs, metals, VOCs, and SVOCs. TPHs and VOCs were not detected. SVOCs were not detected or detected at concentrations below residential PRGs (EPA 2004). Arsenic was detected at concentrations above the Cal-modified PRG (EPA 2004); however, the concentrations were below the 95 UCL concentration (Blue Background Area). No additional sampling was recommended for this target area (IT 2001). Based on these prior assessments, no further action is recommended for NADEP GAP 72.

Nondetect Review:

Nondetect values were compared with 2004 Region 9 residential PRGs and Cal-modified PRGs, when available. All nondetect values for VOCs in soil less than PRGs. All nondetect values for SVOCs in soil less than PRGs except benzo(a)pyrene, benzidine (2 samples), bis(2-chloroethyl)ether, dibenzo(a,h)anthracene, 3,3-dichlorobenzidine (2 samples), hexachlorobenzene, N-nitroso-di-N-propylamine, and N-nitrosodimethylamine (2 samples). All nondetect values for metals in soil less than PRGs.

Site Visit(s)

2002 visit: Building 167 is currently used as a boat repair facility. Boats and boating material encompass the entire facility. A Navy representative confirmed that the current tenant had altered the building from the time NADEP GAP 72 was in use.

SWMU Identifier **NAS GAP 28** **Refer to Figure #** Figure B3-2

Navy Recommendation/Closure Status **NFA Recommended**

Location Description

Disposal Parcel EDC 12 **CERCLA Site** NA

EBS Subparcel 154 **TPH CAA** NA

Associated Building 167 **Building Status** Present **Leasing Status** Leased by ARRA

Building Name Aircraft Maintenance/Propeller Shop

Additional Information South of Building 167 and east of Pier 2; Mare Island Temporary Storage Facilities; fenced area 20 feet by 12 feet on concrete; general location shown on figure

Operational Information for SWMU

Type of Unit Generator Accumulation Point

Capacity (gallons) 55-gallon drums

Period of Operation GAPs were formally identified in 1987 and continued to operate until base closure and building cleanup were initiated in 1997. Actual startup dates are unknown.

Material Managed at SWMU Paint-related material, rags, and empty cans (crushed)

Source of Initial SWMU Identification

SWMU # in RFA GII-24 **Recommendation in RFA** RFI Not Required

Recommendation for NFA from DTSC in 1999 NA

SWMU Identified in Other Sources EBS (IT 2001)

Tank-Related Information

Status of Tank NA **Status of Associated Aboveground Pipes** NA

Data Analysis

NAS GAP 28 is located south of Building 167. According to the RFA, NAS GAP 28 exhibited a low potential for releases (none known) into soil and groundwater because the GAP was located on concrete (DTSC 1992). Minor staining was noted. NAS GAP 28 was investigated as Target Area 3 in the EBS, Zone 19, Parcel 154, evaluation data summary report (IT 2001). Four surface and four subsurface soil samples (some with confirmation splits) were collected from the target area and analyzed for TPHs, metals, VOCs, and SVOCs. As depicted on the figure for EBS Parcel 154, sampling locations 154-003-011 through 154-003-014 were sampled near the GAP. TPHs were not detected. VOCs and SVOCs were either not detected or detected at concentrations below residential PRGs (EPA 2004). Barium, cadmium, and calcium were detected at concentrations exceeding their respective 95 UCL concentrations (Blue Background Area); however, these concentrations were below residential PRGs. Arsenic was detected at concentrations exceeding the residential PRG; however, these concentrations were below the 95 UCL concentration (Blue Background Area). No additional sampling was recommended for this target area (IT 2001). Based on these prior assessments, no further action is recommended for NAS GAP 28.

Nondetect Review:

Nondetect values were compared with 2004 Region 9 residential PRGs and Cal-modified PRGs, when available. All nondetect values for VOCs in soil less than PRGs. All nondetect values for SVOCs in soil less than PRGs except benzo(a)pyrene, benzidine (8 samples), bis(2-chloroethyl)ether, dibenzo(a,h)anthracene, 3,3-dichlorobenzidine (8 samples), hexachlorobenzene, N-nitroso-di-N-propylamine, and N-nitrosodimethylamine (8 samples). All nondetect values for metals in soil less than PRGs.

Site Visit(s)

2002 visit: Building 167 is currently used as a boat repair facility. Boats and boating material encompass the entire facility. A Navy representative confirmed that the current tenant had altered the building from the time NADEP GAP 28 was in use.

SWMU Identifier **NADEP GAP 65** **Refer to Figure #** NA

Navy Recommendation/Closure Status **NFA Recommended**

Location Description

Disposal Parcel EDC 12 **CERCLA Site** NA

EBS Subparcel 201 **TPH CAA** NA

Associated Building 166 **Building Status** Present **Leasing Status** Leased by ARRA

Building Name Aircraft Maintenance/Ships Install Facility

Additional Information Located near the south wall inside Building 166, Shop 96312; approximate location

Operational Information for SWMU

Type of Unit Generator Accumulation Point

Capacity (gallons) 30-gallon drums, aerosol cans

Period of Operation GAPs were formally identified in 1987 and continued to operate until base closure and building cleanup were initiated in 1997. Actual startup dates are unknown.

Material Managed at SWMU Aerosol paint cans and oil contaminated rags

Source of Initial SWMU Identification

SWMU # in RFA GI-49 **Recommendation in RFA** RFI Not Required

Recommendation for NFA from DTSC in 1999 Yes

SWMU Identified in Other Sources EBS (IT 2001)

Tank-Related Information

Status of Tank NA **Status of Associated Aboveground Pipes** NA

Data Analysis

According to the RFA, NADEP GAP 65 exhibited a low potential for releases (none known) into the soil, groundwater, and surface water because the site was located indoors on a concrete floor (DTSC 1992). A RFI was not required. Building 166 was investigated as Target Area 1 in the EBS, Zone 19, Parcel 201, evaluation data summary report (IT 2001). Seven subsurface soil samples were collected to evaluate this target area; however, none were collected in close proximity to the GAP. A letter from DTSC dated November 4, 1999, recommended no further action for this GAP (DTSC 1999). Based on the prior assessments, no further action is recommended for this NADEP GAP 65.

Nondetect Review:

NA

Site Visit(s)

NA

SWMU Identifier **NADEP GAP 66** **Refer to Figure #** Figure B3-2

Navy Recommendation/Closure Status **NFA Recommended**

Location Description

Disposal Parcel EDC 12 **CERCLA Site** NA

EBS Subparcel 201 **TPH CAA** NA

Associated Building 166 **Building Status** Present **Leasing Status** Leased by ARRA

Building Name Aircraft Maintenance/Ships Install Facility

Additional Information Building 166, Shop 96312; located outside southern side of building; area 10 feet by 5 feet under a shed with containment and on concrete; approximate location shown on figure

Operational Information for SWMU

Type of Unit Generator Accumulation Point

Capacity (gallons) 55-gallon drums

Period of Operation GAPs were formally identified in 1987 and continued to operate until base closure and building cleanup were initiated in 1997. Actual startup dates are unknown.

Material Managed at SWMU Lubrication and engine oils, and PD-680

Source of Initial SWMU Identification

SWMU # in RFA GI-50 **Recommendation in RFA** RFI Not Required

Recommendation for NFA from DTSC in 1999 Yes

SWMU Identified in Other Sources EBS (IT 2001)

Tank-Related Information

Status of Tank NA **Status of Associated Aboveground Pipes** NA

Data Analysis

According to the RFA, NADEP GAP 66 exhibited a low potential for releases (none known) into the soil and groundwater because the unit has a secondary containment and is atop a concrete floor (DTSC 1992). A RFI was not required. The GAP was investigated as Target Area 4 (Open Space I, South of Building 166) in the EBS, Zone 19, Parcel 154, evaluation data summary report (IT 2001). Four subsurface samples and one confirmation split sample were collected. As depicted on the figure for EBS Parcel 154, one subsurface (154-0015M) soil sample was collected near the GAP. The sample was analyzed for TPHs, metals, VOCs, and SVOCs. TPHs, VOCs, and SVOCs were not detected. Arsenic was detected at a concentration above the Cal-modified PRG (EPA 2004); however, the concentration was below the 95 UCL concentration (Blue Background Area). No additional sampling was recommended for this target area (IT 2001). A letter from DTSC dated November 4, 1999, recommended no further action for this GAP (DTSC 1999). Based on these prior assessments, no further action is recommended for NADEP GAP 66.

Nondetect Review:

NA

Site Visit(s)

NA

SWMU Identifier **AST 584** **Refer to Figure #** NA

Navy Recommendation/Closure Status **NFA Recommended**

Location Description

Disposal Parcel EDC 12 **CERCLA Site** NA

EBS Subparcel 202 **TPH CAA** TPH CAA-09A

Associated Building 584 **Building Status** Present **Leasing Status** Not leased by ARRA

Building Name Pier Utility Boiler Plant

Additional Information West of Building 584; best-known location

Operational Information for SWMU

Type of Unit Aboveground Storage Tank(s)

Capacity (gallons) 15,000

Period of Operation Unknown

Material Managed at SWMU Industrial Wastewater (condensate from heater containing corrosion-resistant chemicals)

Source of Initial SWMU Identification

SWMU # in RFA Not identified in RFA **Recommendation in RFA** NA

Recommendation for NFA from DTSC in 1999 NA

SWMU Identified in Other Sources Found during July 2004 site visit

Tank-Related Information

Status of Tank	Present in good condition located within an approximately 3-foot-tall concrete berm; AST on a 2-inch thick concrete pad; secondary containment is gravel with a drain; not in use	**Status of Associated Aboveground Pipes**	Present; appears intact (some pipes have minor rust spots)

Data Analysis

Former content of tank does not meet the definitions of hazardous material, hazardous waste, or petroleum. No further action is recommended for AST 584. The AST will be closed in place according to Navy guidance (OPNAVINST 5090).

Nondetect Review:

NA

Site Visit(s)

July 2004 visit: AST installed in 1975; AST had a high-level alarm.

TABLE B3-1: PROFILES FOR SOLID WASTE MANAGEMENT UNITS IN EDC PARCEL 12 INTEGRATED WITH CERCLA PROGRAM

Notes:

% = Percentage
ug/kg = Micrograms per kilogram
ug/L = Micrograms per liter
AOC = Area of concern
ARRA = Alameda Reuse and Redevelopment Authority
AST = Aboveground storage tank
bgs = Below ground surface
BTEX = Benzene, toluene, ethylbenzene, and xylenes
CAA = Corrective action area
CERCLA = Comprehensive Environmental Response, Compensation and Liability Act
CERFA = Community Environmental Response Facilitation Act
CRS = Coolant Recovery System
DTSC = California Environmental Protection Agency Department of Toxic Substances Control
EBS = Environmental baseline survey
EDC = Economic development conveyance
EPA = U.S. Environmental Protection Agency
ERM-West = Environmental Resource Management - West
FED = Federal agency-to-agency transfer
FSP = Field sampling plan
ft = Foot
Gal = gallon
GAP = Generator accumulation point
GW = Groundwater
ID = Identification
IT = International Technology Corporation
IWTP = Industrial wastewater treatment plant
JP = Jet propellant
M = Miscellaneous area identified in the RFA
MCL = Maximum contaminant level
MEK = Methyl ethyl ketone
mg/kg = Milligrams per kilogram
mg/L = milligrams per liter
MINS = Mare Island Naval Shipyard
mL = milliliter
NA = Not applicable
NADEP = Naval Aviation Depot Alameda
NARF = Naval Air Rework Facility Alameda
NAS = Naval Air Station
Navy = U.S. Department of the Navy
ND = Not detected
NE = Northeast
NFA = No further action
NW = Northwest
OU = Operable Unit
OWS = Oil-water separator
PAH = Polynuclear aromatic hydrocarbons
PCB = Polychlorinated biphenyl
PMB = Plastic material blasting
PPM = Parts per million
PRC = Preliminary remediation criteria
PRG = Preliminary remediation goal
PWC = Navy Public Works Center
(R) = RCRA-related UST
RCRA = Resource Conservation and Recovery Act
RFA = RCRA facility assessment
RFI = RCRA facility investigation
RI = Remedial investigation
RI/FS = Remedial investigation and feasibility study
RWQCB = Regional Water Quality Control Board
SE = Southeast
SEBS = Supplemental environmental baseline survey
SSPORTS = Supervisor of Shipbuilding, Conversion, and Repair, Portsmouth, Virginia
SVOC = Semivolatile organic compound
SW = Southwest
SWARF = Refers to machine and grinding coolant
SWMU = Solid waste management unit
TCA = Trichloroethane
Tetra Tech = Tetra Tech EM Inc.
TPH = Total petroleum hydrocarbons
TPHd = Total petroleum hydrocarbons as diesel
TPHg = Total petroleum hydrocarbons as gasoline
TPHmo = Total petroleum hydrocarbons as motor oil
USFWS = U.S. Fish and Wildlife Service
UST = Underground storage tank
VOC = Volatile organic compound
WD = Washdown area

ATTACHMENT B

REGULATORY SCREENING CRITERIA

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U.S. EPA
REGION 9 PRELIMINARY
REMEDIATION GOALS (2004)

Key : SFo,i=Cancer Slope Factor oral, inhalation RfDo,i=Reference Dose oral, inhalation i=IRIS p=PPRTV c=California EPA n=NCEA h=HEAST x=Withdrawn r=Route-extrapolation ca=Cancer PRG nc= Noncancer PRG ca* (where: nc PRG < 100X ca PRG)
ca** (where nc PRG < 10X ca PRG) +++=Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C / skin abs. soils / CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
8.7E-03	i	4.0E-03	i	8.7E-03	r	4.0E-03	r	0.1	30560-19-1	Acephate	5.6E+01	ca**	2.0E+02	ca*	7.7E-01	ca*	7.7E+00	ca*	
				7.7E-03	i	2.6E-03	i	y	75-07-0	Acetaldehyde	1.1E+01	ca**	2.3E+01	ca**	8.7E-01	ca*	1.7E+00	ca	
		2.0E-02	i			2.0E-02	r	0.1	34256-82-1	Acetochlor	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc	
		9.0E-01	i			9.0E-01	r	y	67-64-1	**Acetone**	1.4E+04	nc	5.4E+04	nc	3.3E+03	nc	5.5E+03	nc	1.6E+01 8.0E-01
		8.0E-04	h			8.0E-04	r	0.1	75-86-5	Acetone cyanohydrin	4.9E+01	nc	4.9E+02	nc	2.9E+00	nc	2.9E+01	nc	
		1.7E-02	r			1.7E-02	i	y	75-05-8	Acetonitrile	4.2E+02	nc	1.8E+03	nc	6.2E+01	nc	1.0E+02	nc	
		5.0E-04	i			5.7E-06	i	y	107-02-8	**Acrolein**	1.0E-01	nc	3.4E-01	nc	2.1E-02	nc	4.2E-02	nc	
4.5E+00	i	2.0E-04	i	4.5E+00	i	2.0E-04	r	0.1	79-06-1	Acrylamide	1.1E-01	ca	3.8E-01	ca	1.5E-03	ca	1.5E-02	ca	
		5.0E-01	i			2.9E-04	i	0.1	79-10-7	Acrylic acid	2.9E+04	nc	1.0E+05	max	1.0E+00	nc	1.8E+04	nc	
5.4E-01	i	1.0E-03	h	2.4E-01	i	5.7E-04	i	y	107-13-1	Acrylonitrile	2.1E-01	ca*	4.9E-01	ca*	2.8E-02	ca*	3.9E-02	ca*	
1.0E+00	r			1.0E+00	c			y		**"CAL-Modified PRG"**	5.5E-02	ca	1.2E-01	ca	6.7E-03	ca	1.1E-02	ca	
8.1E-02	h	1.0E-02	i	8.0E-02	r	1.0E-02	r	0.1	15972-60-8	Alachlor	6.0E+00	ca	2.1E+01	ca	8.4E-02	ca	8.4E-01	ca	
		1.5E-01	i			1.5E-01	r	0.1	1596-84-5	Alar	9.2E+03	nc	9.2E+04	nc	5.5E+02	nc	5.5E+03	nc	
		1.0E-03	i			1.0E-03	r	0.1	116-06-3	Aldicarb	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc	
		1.0E-03	i			1.0E-03	r	0.1	1646-88-4	Aldicarb sulfone	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc	
1.7E+01	i	3.0E-05	i	1.7E+01	i	3.0E-05	r	0.1	309-00-2	Aldrin	2.9E-02	ca*	1.0E-01	ca	3.9E-04	ca	4.0E-03	ca	5.0E-01 2.0E-02
		2.5E-01	i			2.5E-01	r	0.1	74223-64-6	Ally	1.5E+04	nc	1.0E+05	max	9.1E+02	nc	9.1E+03	nc	
		5.0E-03	i			5.0E-03	r	0.1	107-18-6	Allyl alcohol	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc	
		2.9E-04	r			2.9E-04	i	0.1	107-05-1	**Allyl chloride**	1.7E+01	nc	1.8E+02	nc	1.0E+00	nc	1.0E+01	nc	
		1.0E+00	p			1.4E-03	p		7429-90-5	Aluminum	7.6E+04	nc	1.0E+05	max	5.1E+00	nc	3.6E+04	nc	
		4.0E-04	i						20859-73-8	Aluminum phosphide	3.1E+01	nc	4.1E+02	nc			1.5E+01	nc	
		3.0E-04	i			3.0E-04	r	0.1	67485-29-4	Amdro	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc	
		9.0E-03	i			9.0E-03	r	0.1	834-12-8	Ametryn	5.5E+02	nc	5.5E+03	nc	3.3E+01	nc	3.3E+02	nc	
		2.0E-04	n			2.0E-04	r	0.1	1321-12-6	**Aminodinitrotoluene**	1.2E+01	nc	1.2E+02	nc	7.3E-01	nc	7.3E+00	nc	
		7.0E-02	h			7.0E-02	r	0.1	591-27-5	m-Aminophenol	4.3E+03	nc	4.3E+04	nc	2.6E+02	nc	2.6E+03	nc	
		2.0E-05	h			2.0E-05	r	0.1	504-24-5	4-Aminopyridine	1.2E+00	nc	1.2E+01	nc	7.3E-02	nc	7.3E-01	nc	
		2.5E-03	i			2.5E-03	r	0.1	33089-61-1	Amitraz	1.5E+02	nc	1.5E+03	nc	9.1E+00	nc	9.1E+01	nc	
						2.9E-02	i		7664-41-7	Ammonia					1.0E+02	nc			
		2.0E-01	i					0.1	7773-06-0	Ammonium sulfamate	1.2E+04	nc	1.0E+05	max			7.3E+03	nc	
5.7E-03	i	7.0E-03	p	5.7E-03	r	2.9E-04	i	0.1	62-53-3	Aniline	8.5E+01	ca**	3.0E+02	ca*	1.0E+00	nc	1.2E+01	ca*	
		4.0E-04	i						7440-36-0	Antimony and compounds	3.1E+01	nc	4.1E+02	nc			1.5E+01	nc	5.0E+00 3.0E-01
		1.3E-02	i			1.3E-02	r	0.1	74115-24-5	Apollo	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc	
2.5E-02	i	5.0E-02	h	2.5E-02	i	5.0E-02	r	0.1	140-57-8	Aramite	1.9E+01	ca	6.9E+01	ca	2.7E-01	ca	2.7E+00	ca	
1.5E+00	i	3.0E-04	i	1.5E+01	i			0.03	7440-38-2	Arsenic	3.9E-01	ca*	1.6E+00	ca	4.5E-04	ca	4.5E-02	ca	2.9E+01 1.0E+00
9.5E+00	c			1.2E+01	c			0.03		**"CAL-Modified PRG"**	6.2E-02	ca	2.5E-01	ca	5.6E-04	ca	7.1E-03	ca	
						1.4E-05	i		7784-42-1	Arsine (see arsenic for cancer endpoint)					5.2E-02	nc			
		9.0E-03	i			9.0E-03	r	0.1	76578-14-8	Assure	5.5E+02	nc	5.5E+03	nc	3.3E+01	nc	3.3E+02	nc	
		5.0E-02	i			5.0E-02	r	0.1	3337-71-1	Asulam	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc	
2.2E-01	h	3.5E-02	i	2.2E-01	r	3.5E-02	r	0.1	1912-24-9	Atrazine	2.2E+00	ca	7.8E+00	ca	3.1E-02	ca	3.0E-01	ca	
		4.0E-04	i			4.0E-04	r	0.1	71751-41-2	Avermectin B1	2.4E+01	nc	2.5E+02	nc	1.5E+00	nc	1.5E+01	nc	
1.1E-01	i			1.1E-01	i			0.1	103-33-3	Azobenzene	4.4E+00	ca	1.6E+01	ca	6.2E-02	ca	6.1E-01	ca	
		7.0E-02	i			1.4E-04	h		7440-39-3	Barium and compounds	5.4E+03	nc	6.7E+04	nc	5.2E-01	nc	2.6E+03	nc	1.6E+03 8.2E+01

Key : SFo,i=Cancer Slope Factor oral, inhalation RfDo,i=Reference Dose oral, inhalation i=IRIS p=PPRTV c=California EPA n=NCEA h=HEAST x=Withdrawn r=Route-extrapolation ca=Cancer PRG nc= Noncancer PRG ca* (where: nc PRG < 100X ca PRG)
ca** (where nc PRG < 10X ca PRG) +++=Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C / skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		4.0E-03	i			4.0E-03	r	0.1	114-26-1	Baygon	2.4E+02	nc	2.5E+03	nc	1.5E+01	nc	1.5E+02	nc		
		3.0E-02	i			3.0E-02	r	0.1	43121-43-3	Bayleton	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
		2.5E-02	i			2.5E-02	r	0.1	68359-37-5	Baythroid	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
		3.0E-01	i			3.0E-01	r	0.1	1861-40-1	Benefin	1.8E+04	nc	1.0E+05	max	1.1E+03	nc	1.1E+04	nc		
		5.0E-02	i			5.0E-02	r	0.1	17804-35-2	Benomyl	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		3.0E-02	i			3.0E-02	r	0.1	25057-89-0	Bentazon	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
		1.0E-01	i			1.0E-01	r	0.1	100-52-7	Benzaldehyde	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
5.5E-02	i	4.0E-03	i	2.7E-02	i	8.6E-03	i	y	71-43-2	**Benzene**	6.4E-01	ca*	1.4E+00	ca*	2.5E-01	ca	3.5E-01	ca	3.0E-02	2.0E-03
2.3E+02	i	3.0E-03	i	2.3E+02	i	3.0E-03	r	0.1	92-87-5	Benzidine	2.1E-03	ca	7.5E-03	ca	2.9E-05	ca	2.9E-04	ca		
		4.0E+00	i			4.0E+00	r	0.1	65-85-0	Benzoic acid	1.0E+05	max	1.0E+05	max	1.5E+04	nc	1.5E+05	nc	4.0E+02	2.0E+01
1.3E+01	i			1.3E+01	r			0.1	98-07-7	Benzotrichloride	3.7E-02	ca	1.3E-01	ca	5.2E-04	ca	5.2E-03	ca		
		3.0E-01	h			3.0E-01	r	0.1	100-51-6	Benzyl alcohol	1.8E+04	nc	1.0E+05	max	1.1E+03	nc	1.1E+04	nc		
1.7E-01	i	2.9E-03	r	1.7E-01	r	2.9E-03	n	y	100-44-7	Benzyl chloride	8.9E-01	ca*	2.2E+00	ca	4.0E-02	ca	6.6E-02	ca		
		2.0E-03	i	8.4E+00	i	5.7E-06	i		7440-41-7	Beryllium and compounds	1.5E+02	nc	1.9E+03	ca**	8.0E-04	ca*	7.3E+01	nc	6.3E+01	3.0E+00
		1.0E-04	i			1.0E-04	r	0.1	141-66-2	Bidrin	6.1E+00	nc	6.2E+01	nc	3.7E-01	nc	3.6E+00	nc		
		1.5E-02	i			1.5E-02	r	0.1	82657-04-3	Biphenthrin (Talstar)	9.2E+02	nc	9.2E+03	nc	5.5E+01	nc	5.5E+02	nc		
		5.0E-02	i			5.0E-02	r	y	92-52-4	**1,1-Biphenyl**	3.0E+03	nc	2.3E+04	nc	1.8E+02	nc	3.0E+02	nc		
1.1E+00	i			1.1E+00	i			y	111-44-4	Bis(2-chloroethyl)ether	2.2E-01	ca	5.8E-01	ca	6.1E-03	ca	1.0E-02	ca	4.0E-04	2.0E-05
7.0E-02	x	4.0E-02	i	3.5E-02	x	4.0E-02	r	y	108-60-1	Bis(2-chloroisopropyl)ether	2.9E+00	ca	7.4E+00	ca	1.9E-01	ca	2.7E-01	ca		
2.2E+02	i			2.2E+02	i			y	542-88-1	Bis(chloromethyl)ether	1.9E-04	ca	4.3E-04	ca	3.1E-05	ca	5.2E-05	ca		
7.0E-02	x	4.0E-02	i	3.5E-02	x	4.0E-02	r	y	108-60-1	Bis(2-chloro-1-methylethyl)ether	2.9E+00	ca	7.4E+00	ca	1.9E-01	ca	2.7E-01	ca		
1.4E-02	i	2.0E-02	i	1.4E-02	r	2.0E-02	r	0.1	117-81-7	Bis(2-ethylhexyl)phthalate (DEHP)	3.5E+01	ca*	1.2E+02	ca	4.8E-01	ca	4.8E+00	ca		
		5.0E-02	i			5.0E-02	r	0.1	80-05-7	Bisphenol A	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		2.00E-01	i			5.7E-03	h		7440-42-8	Boron	1.6E+04	nc	1.0E+05	max	2.1E+01	nc	7.3E+03	nc		
						2.0E-04	h		7637-07-2	Boron trifluoride					7.3E-01	nc				
7.0E-01	i	4.0E-03	i	7.0E-01	r	4.0E-03	r	0.1	15541-45-4	**Bromate**	6.9E-01	ca	2.5E+00	ca	9.6E-03	ca	9.6E-02	ca		
		2.0E-02	p			2.9E-03	p	y	108-86-1	Bromobenzene	2.8E+01	nc	9.2E+01	nc	1.0E+01	nc	2.0E+01	nc		
6.2E-02	i	2.0E-02	i	6.2E-02	r	2.0E-02	r	y	75-27-4	Bromodichloromethane	8.2E-01	ca	1.8E+00	ca	1.1E-01	ca	1.8E-01	ca	6.0E-01	3.0E-02
7.9E-03	i	2.0E-02	i	3.9E-03	i	2.0E-02	r	0.1	75-25-2	Bromoform (tribromomethane)	6.2E+01	ca*	2.2E+02	ca*	1.7E+00	ca*	8.5E+00	ca*	8.0E-01	4.0E-02
		1.4E-03	i			1.4E-03	i	y	74-83-9	Bromomethane (Methyl bromide)	3.9E+00	nc	1.3E+01	nc	5.2E+00	nc	8.7E+00	nc	2.0E-01	1.0E-02
		5.0E-03	h			5.0E-03	r	0.1	2104-96-3	Bromophos	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		2.0E-02	i			2.0E-02	r	0.1	1689-84-5	Bromoxynil	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		2.0E-02	i			2.0E-02	r	0.1	1689-99-2	Bromoxynil octanoate	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
1.1E-01	r	5.7E-04	r	1.1E-01	i	5.7E-04	i	y	106-99-0	**1,3-Butadiene**	5.8E-02	ca*	1.2E-01	ca*	6.1E-02	ca*	1.0E-01	ca*		
6.0E-01	r	5.7E-03	r	6.0E-01	c	5.7E-03	c	y	106-99-0	**"CAL-Modified PRG"**	1.1E-02	ca	2.3E-02	ca	1.1E-02	ca	1.9E-02	ca		
		1.0E-01	i			2.6E-03	n	0.1	71-36-3	1-Butanol	6.1E+03	nc	6.1E+04	nc	9.5E+00	nc	3.6E+03	nc	1.7E+01	9.0E-01
		5.0E-02	i			5.0E-02	r	0.1	2008-41-5	Butylate	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		4.0E-02	n			4.0E-02	r	y	104-51-8	n-Butylbenzene	2.4E+02	sat	2.4E+02	sat	1.5E+02	nc	2.4E+02	nc		
		4.0E-02	n			4.0E-02	r	y	135-9-88	sec-Butylbenzene	2.2E+02	sat	2.2E+02	sat	1.5E+02	nc	2.4E+02	nc		
		4.0E-02	n			4.0E-02	r	y	98-06-6	tert-Butylbenzene	3.9E+02	sat	3.9E+02	sat	1.5E+02	nc	2.4E+02	nc		
		2.0E-01	i			2.0E-01	r	0.1	85-68-7	Butyl benzyl phthalate	1.2E+04	nc	1.0E+05	max	7.3E+02	nc	7.3E+03	nc	9.3E+02	8.1E+02
		1.0E+00	i			1.0E+00	r	0.1	85-70-1	Butylphthalyl butylglycolate	6.1E+04	nc	1.0E+05	max	3.7E+03	nc	3.6E+04	nc		

Key : SFo,i=Cancer Slope Factor oral, inhalation RfDo,i=Reference Dose oral, inhalation i=IRIS p=PPRTV c=California EPA n=NCEA h=HEAST x=Withdrawn r=Route-extrapolation ca=Cancer PRG nc= Noncancer PRG ca* (where: nc PRG < 100X ca PRG)
ca** (where nc PRG < 10X ca PRG) +++=Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs)								SOIL SCREENING LEVELS	
						V	skin			"Direct Contact Exposure Pathways"								"Migration to Ground Water"	
SFo		RfDo		SFi		O	abs.	CAS No.		Residential		Industrial		Ambient Air		Tap Water		DAF 20	DAF 1
1/(mg/kg-d)		(mg/kg-d)		1/(mg/kg-d)		C	soils			Soil (mg/kg)		Soil (mg/kg)		(ug/m^3)		(ug/l)		(mg/kg)	(mg/kg)
		5.0E-04	i	6.3E+00	i		0.001	7440-43-9	Cadmium and compounds	3.7E+01	nc	4.5E+02	nc	1.1E-03	ca	1.8E+01	nc	8.0E+00	4.0E-01
		5.0E-01	i				0.1	105-60-2	Caprolactam	3.1E+04	nc	1.0E+05	max	1.8E+03	nc	1.8E+04	nc		
8.6E-03	h	2.0E-03	i	8.6E-03	r	2.0E-03	r	2425-06-1	Captafol	5.7E+01	ca**	2.0E+02	ca**	7.8E-01	ca**	7.8E+00	ca**		
3.5E-03	h	1.3E-01	i	3.5E-03	r	1.3E-01	r	133-06-2	Captan	1.4E+02	ca*	4.9E+02	ca	1.9E+00	ca	1.9E+01	ca		
		1.0E-01	i			1.1E-01	r	63-25-2	Carbaryl	6.1E+03	nc	6.2E+04	nc	4.0E+02	nc	3.6E+03	nc		
2.0E-02	h			2.0E-02	r			86-74-8	Carbazole	2.4E+01	ca	8.6E+01	ca	3.4E-01	ca	3.4E+00	ca	6.0E-01	3.0E-02
		5.0E-03	i			5.0E-03	r	1563-66-2	Carbofuran	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		1.0E-01	i			2.0E-01	i y	75-15-0	Carbon disulfide	3.6E+02	nc	7.2E+02	sat	7.3E+02	nc	1.0E+03	nc	3.2E+01	2.0E+00
1.3E-01	i	7.0E-04	i	5.3E-02	i	7.0E-04	r y	56-23-5	Carbon tetrachloride	2.5E-01	ca**	5.5E-01	ca*	1.3E-01	ca*	1.7E-01	ca*	7.0E-02	3.0E-03
		1.0E-02	i			1.0E-02	r	55285-14-8	Carbosulfan	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		1.0E-01	i			1.0E-01	r	5234-68-4	Carboxin	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
		1.5E-02	i			1.5E-02	r	133-90-4	Chloramben	9.2E+02	nc	9.2E+03	nc	5.5E+01	nc	5.5E+02	nc		
4.0E-01	h			4.0E-01	r			118-75-2	Chloranil	1.2E+00	ca	4.3E+00	ca	1.7E-02	ca	1.7E-01	ca		
3.5E-01	i	5.0E-04	i	3.5E-01	i	2.0E-04	i	12789-03-6	Chlordane (technical)	1.6E+00	ca*	6.5E+00	ca*	1.9E-02	ca*	1.9E-01	ca*	1.0E+01	5.0E-01
		2.0E-02	i			2.0E-02	r	90982-32-4	Chlorimuron-ethyl	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		1.0E-01	i			5.7E-05	n	7782-50-5	Chlorine					2.1E-01	nc				
		3.0E-02	i			5.7E-05	i	10049-04-4	Chlorine dioxide					2.1E-01	nc				
		2.0E-03	h			2.0E-03	r	79-11-8	Chloroacetic acid	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		8.6E-06	r			8.6E-06	i y	532-27-4	2-Chloroacetophenone	3.3E-02	nc	1.1E-01	nc	3.1E-02	nc	5.2E-02	nc		
		4.0E-03	i			4.0E-03	r	106-47-8	4-Chloroaniline	2.4E+02	nc	2.5E+03	nc	1.5E+01	nc	1.5E+02	nc	7.0E-01	3.0E-02
		2.0E-02	i			1.7E-02	n y	108-90-7	Chlorobenzene	1.5E+02	nc	5.3E+02	nc	6.2E+01	nc	1.1E+02	nc	1.0E+00	7.0E-02
2.7E-01	h	2.0E-02	i	2.7E-01	h	2.0E-02	r	510-15-6	Chlorobenzilate	1.8E+00	ca	6.4E+00	ca	2.5E-02	ca	2.5E-01	ca		
		2.0E-01	h			2.0E-01	r	74-11-3	p-Chlorobenzoic acid	1.2E+04	nc	1.0E+05	max	7.3E+02	nc	7.3E+03	nc		
		2.0E-02	h			2.0E-02	r	98-56-6	4-Chlorobenzotrifluoride	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		2.0E-02	h			2.0E-03	h y	126-99-8	2-Chloro-1,3-butadiene	3.6E+00	nc	1.2E+01	nc	7.3E+00	nc	1.4E+01	nc		
		4.0E-01	h			4.0E-01	r y	109-69-3	1-Chlorobutane	4.8E+02	sat	4.8E+02	sat	1.5E+03	nc	2.4E+03	nc		
		1.4E+01	r			1.4E+01	i y	75-68-3	1-Chloro-1,1-difluoroethane (HCFC-142b)	3.4E+02	sat	3.4E+02	sat	5.2E+04	nc	8.7E+04	nc		
		1.4E+01	r			1.4E+01	i y	75-45-6	Chlorodifluoromethane	3.4E+02	sat	3.4E+02	sat	5.1E+04	nc	8.5E+04	nc		
2.9E-03	n	4.0E-01	n	2.9E-03	r	2.9E+00	i y	75-00-3	Chloroethane	3.0E+00	ca	6.5E+00	ca	2.3E+00	ca	4.6E+00	ca		
		1.0E-02	i	8.1E-02	i	1.4E-02	n y	67-66-3	**Chloroform**	2.2E-01	ca	4.7E-01	ca	8.3E-02	ca	1.7E-01	ca	6.0E-01	3.0E-02
3.1E-02	c			1.9E-02	c		y		"CAL-Modified PRG"	9.4E-01	ca	2.0E+00	ca	3.5E-01	ca	5.3E-01	ca		
		2.6E-02	r			2.6E-02	i y	74-87-3	**Chloromethane (methyl chloride)**	4.7E+01	nc	1.6E+02	nc	9.5E+01	nc	1.6E+02	nc		
5.8E-01	h			5.8E-01	r			95-69-2	4-Chloro-2-methylaniline	8.4E-01	ca	3.0E+00	ca	1.2E-02	ca	1.2E-01	ca		
4.6E-01	h			4.6E-01	r			3165-93-3	4-Chloro-2-methylaniline hydrochloride	1.1E+00	ca	3.7E+00	ca	1.5E-02	ca	1.5E-01	ca		
		8.0E-02	i			8.0E-02	r y	91-58-7	beta-Chloronaphthalene	4.9E+03	nc	2.3E+04	nc	2.9E+02	nc	4.9E+02	nc		
9.7E-03	p	1.0E-03	p	9.7E-03	r	2.0E-05	p y	88-73-3	o-Chloronitrobenzene	1.4E+00	nc**	4.5E+00	nc**	7.3E-02	nc**	1.5E-01	nc**		
6.7E-03	p	1.0E-03	p	6.7E-03	r	1.7E-04	p y	100-00-5	p-Chloronitrobenzene	1.0E+01	nc**	3.7E+01	nc**	6.2E-01	nc**	1.2E+00	nc**		
		5.0E-03	i			5.0E-03	r y	95-57-8	2-Chlorophenol	6.3E+01	nc	2.4E+02	nc	1.8E+01	nc	3.0E+01	nc	4.0E+00	2.0E-01
		2.9E-02	r			2.9E-02	h y	75-29-6	2-Chloropropane	1.7E+02	nc	5.9E+02	nc	1.0E+02	nc	1.7E+02	nc		
1.1E-02	h	1.5E-02	i	1.1E-02	r	1.5E-02	r	1897-45-6	Chlorothalonil	4.4E+01	ca*	1.6E+02	ca*	6.1E-01	ca*	6.1E+00	ca*		
		2.0E-02	i			2.0E-02	r y	95-49-8	o-Chlorotoluene	1.6E+02	nc	5.6E+02	nc	7.3E+01	nc	1.2E+02	nc		
		2.0E-01	i			2.0E-01	r	101-21-3	Chlorpropham	1.2E+04	nc	1.0E+05	max	7.3E+02	nc	7.3E+03	nc		

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ca** (where nc PRG < 10X ca PRG) +++=Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C / skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		3.0E-03	i			3.0E-03	r	0.1	2921-88-2	Chlorpyrifos	1.8E+02	nc	1.8E+03	nc	1.1E+01	nc	1.1E+02	nc		
		1.0E-02	h			1.0E-02	r	0.1	5598-13-0	Chlorpyrifos-methyl	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		5.0E-02	i			5.0E-02	r	0.1	64902-72-3	Chlorsulfuron	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		8.0E-04	h			8.0E-04	r	0.1	60238-56-4	Chlorthiophos	4.9E+01	nc	4.9E+02	nc	2.9E+00	nc	2.9E+01	nc		
				4.2E+01	i					Total Chromium (1:6 ratio Cr VI:Cr III)+++	2.1E+02	ca	4.5E+02	ca	1.6E-04	ca			3.8E+01	2.0E+00
		1.5E+00	i						16065-83-1	Chromium III	1.0E+05	max	1.0E+05	max			5.5E+04	nc		
		3.0E-03	i	2.9E+02	i	2.2E-06	i		18540-29-9	Chromium VI+++	3.0E+01	ca**	6.4E+01	ca	2.3E-05	ca	1.1E+02	nc	3.8E+01	2.0E+00
		2.0E-02	p	9.8E+00	p	5.7E-06	p		7440-48-4	Cobalt	9.0E+02	ca**	1.9E+03	ca*	6.9E-04	ca*	7.3E+02	nc		
				2.2E+00	i				8007-45-2	Coke Oven Emissions					3.1E-03	ca				
		4.0E-02	h						7440-50-8	Copper and compounds	3.1E+03	nc	4.1E+04	nc			1.5E+03	nc		
1.9E+00	h			1.9E+00	r			y	123-73-9	Crotonaldehyde	5.3E-03	ca	1.1E-02	ca	3.5E-03	ca	5.9E-03	ca		
		1.0E-01	i			1.1E-01	i	y	98-82-8	Cumene (isopropylbenzene)	5.7E+02	nc	2.0E+03	nc	4.0E+02	nc	6.6E+02	nc		
8.4E-01	h	2.0E-03	h	8.4E-01	r	2.0E-03	r	0.1	21725-46-2	Cyanazine	5.8E-01	ca	2.1E+00	ca	8.0E-03	ca	8.0E-02	ca		
		2.0E-02	i					0.1	57-12-5	Cyanide (free)	1.2E+03	nc	1.2E+04	nc			7.3E+02	nc		
		2.0E-02	i			8.6E-04	i	y	74-90-8	Cyanide (hydrogen)	1.1E+01	nc	3.5E+01	nc	3.1E+00	nc	6.2E+00	nc		
		4.0E-02	i			4.0E-02	r	y	460-19-5	Cyanogen	1.3E+02	nc	4.3E+02	nc	1.5E+02	nc	2.4E+02	nc		
		9.0E-02	i			9.0E-02	r	y	506-68-3	Cyanogen bromide	2.9E+02	nc	9.7E+02	nc	3.3E+02	nc	5.5E+02	nc		
		5.0E-02	i			5.0E-02	r	y	506-77-4	Cyanogen chloride	1.6E+02	nc	5.4E+02	nc	1.8E+02	nc	3.0E+02	nc		
		1.7E+00	r			1.7E+00	i	y	110-82-7	**Cyclohexane**	1.4E+02	sat	1.4E+02	sat	6.2E+03	nc	1.0E+04	nc		
		5.0E+00	i			5.0E+00	r	0.1	108-94-1	Cyclohexanone	1.0E+05	max	1.0E+05	max	1.8E+04	nc	1.8E+05	nc		
		2.0E-01	i			2.0E-01	r	0.1	108-91-8	Cyclohexylamine	1.2E+04	nc	1.0E+05	max	7.3E+02	nc	7.3E+03	nc		
		5.0E-03	i			5.0E-03	r	0.1	68085-85-8	Cyhalothrin/Karate	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		1.0E-02	i			1.0E-02	r	0.1	52315-07-8	Cypermethrin	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		7.5E-03	i			7.5E-03	r	0.1	66215-27-8	Cyromazine	4.6E+02	nc	4.6E+03	nc	2.7E+01	nc	2.7E+02	nc		
		1.0E-02	i			1.0E-02	r	0.1	1861-32-1	Dacthal	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		3.0E-02	i			3.0E-02	r	0.1	75-99-0	Dalapon	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
		2.5E-02	i			2.5E-02	r	0.1	39515-41-8	Danitol	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
2.4E-01	i			2.4E-01	r			0.03	72-54-8	DDD	2.4E+00	ca	1.0E+01	ca	2.8E-02	ca	2.8E-01	ca	1.6E+01	8.0E-01
3.4E-01	i			3.4E-01	r			0.03	72-55-9	DDE	1.7E+00	ca	7.0E+00	ca	2.0E-02	ca	2.0E-01	ca	5.4E+01	3.0E+00
3.4E-01	i	5.0E-04	i	3.4E-01	i	5.0E-04	r	0.03	50-29-3	DDT	1.7E+00	ca*	7.0E+00	ca*	2.0E-02	ca*	2.0E-01	ca*	3.2E+01	2.0E+00
		1.0E-02	i			1.0E-02	r	0.1	1163-19-5	Decabromodiphenyl ether	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		4.0E-05	i			4.0E-05	r	0.1	8065-48-3	Demeton	2.4E+00	nc	2.5E+01	nc	1.5E-01	nc	1.5E+00	nc		
6.1E-02	h			6.1E-02	r			0.1	2303-16-4	Diallate	8.0E+00	ca	2.8E+01	ca	1.1E-01	ca	1.1E+00	ca		
		9.0E-04	h			9.0E-04	r	0.1	333-41-5	Diazinon	5.5E+01	nc	5.5E+02	nc	3.3E+00	nc	3.3E+01	nc		
		2.0E-03	n			2.0E-03	r	y	132-64-9	**Dibenzofuran**	1.5E+02	nc	1.6E+03	nc	7.3E+00	nc	1.2E+01	nc		
		1.0E-02	i			1.0E-02	r	0.1	106-37-6	1,4-Dibromobenzene	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
8.4E-02	i	2.0E-02	i	8.4E-02	r	2.0E-02	r	y	124-48-1	Dibromochloromethane	1.1E+00	ca	2.6E+00	ca	8.0E-02	ca	1.3E-01	ca	4.0E-01	2.0E-02
1.4E+00	h	5.7E-05	r	2.4E-03	x	5.7E-05	i	y	96-12-8	**1,2-Dibromo-3-chloropropane (DBCP)**	4.6E-01	ca**	2.0E+00	ca**	2.1E-01	nc	4.8E-02	ca**		
7.0E+00	c			7.0E+00	c			y	96-12-8	**"CAL-Modified PRG"**	3.0E-02	ca	7.6E-02	ca	9.6E-04	ca	1.6E-03	ca		
2.0E+00	i	9.0E-03	i	2.0E+00	i	2.6E-03	i	y	106-93-4	**1,2-Dibromoethane (EDB)**	3.2E-02	ca	7.3E-02	ca	3.4E-03	ca	5.6E-03	ca		
		1.0E-01	i			1.0E-01	r	0.1	84-74-2	Dibutyl phthalate	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc	2.3E+03	2.7E+02
		3.0E-02	i			3.0E-02	r	0.1	1918-00-9	Dicamba	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		

Key : SFo,i=Cancer Slope Factor oral, inhalation RfDo,i=Reference Dose oral, inhalation i=IRIS p=PPRTV c=California EPA n=NCEA h=HEAST x=Withdrawn r=Route-extrapolation ca=Cancer PRG nc= Noncancer PRG ca* (where: nc PRG < 100X ca PRG)
ca** (where nc PRG < 10X ca PRG) +++=Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C / skin abs. soils / CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		9.0E-02	i			5.7E-02	h	y	95-50-1	**1,2-Dichlorobenzene**	6.0E+02	sat	6.0E+02	sat	2.1E+02	nc	3.7E+02	nc	1.7E+01	9.0E-01
		3.0E-02	n			3.0E-02	r	y	541-73-1	**1,3-Dichlorobenzene**	5.3E+02	nc	6.0E+02	sat	1.1E+02	nc	1.8E+02	nc		
2.4E-02	h	3.0E-02	n	2.2E-02	n	2.3E-01	i	y	106-46-7	1,4-Dichlorobenzene	3.4E+00	ca	7.9E+00	ca	3.1E-01	ca	5.0E-01	ca	2.0E+00	1.0E-01
4.5E-01	i			4.5E-01	r			0.1	91-94-1	3,3-Dichlorobenzidine	1.1E+00	ca	3.8E+00	ca	1.5E-02	ca	1.5E-01	ca	7.0E-03	3.0E-04
		3.0E-02	n			3.0E-02	r	0.1	90-98-2	4,4'-Dichlorobenzophenone	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
9.3E+00	r			9.3E+00	h			y	764-41-0	1,4-Dichloro-2-butene	7.9E-03	ca	1.8E-02	ca	7.2E-04	ca	1.2E-03	ca		
		2.0E-01	i			5.7E-02	h	y	75-71-8	Dichlorodifluoromethane	9.4E+01	nc	3.1E+02	nc	2.1E+02	nc	3.9E+02	nc		
		1.0E-01	h			1.4E-01	h	y	75-34-3	1,1-Dichloroethane	5.1E+02	nc	1.7E+03	nc	5.2E+02	nc	8.1E+02	nc	2.3E+01	1.0E+00
5.7E-03	c			5.7E-03	c			y		"CAL-Modified PRG"	2.8E+00	ca	6.0E+00	ca	1.2E+00	ca	2.0E+00	ca		
9.1E-02	i	2.0E-02	n	9.1E-02	i	1.4E-03	n	y	107-06-2	1,2-Dichloroethane (EDC)	2.8E-01	ca*	6.0E-01	ca*	7.4E-02	ca*	1.2E-01	ca*	2.0E-02	1.0E-03
		5.0E-02	i			5.7E-02	i	y	75-35-4	1,1-Dichloroethylene	1.2E+02	nc	4.1E+02	nc	2.1E+02	nc	3.4E+02	nc	6.0E-02	3.0E-03
		1.0E-02	p			1.0E-02	r	y	156-59-2	1,2-Dichloroethylene (cis)	4.3E+01	nc	1.5E+02	nc	3.7E+01	nc	6.1E+01	nc	4.0E-01	2.0E-02
		2.0E-02	i			2.0E-02	r	y	156-60-5	1,2-Dichloroethylene (trans)	6.9E+01	nc	2.3E+02	nc	7.3E+01	nc	1.2E+02	nc	7.0E-01	3.0E-02
		3.0E-03	i			3.0E-03	r	0.1	120-83-2	2,4-Dichlorophenol	1.8E+02	nc	1.8E+03	nc	1.1E+01	nc	1.1E+02	nc	1.0E+00	5.0E-02
		8.0E-03	i			8.0E-03	r	0.1	94-82-6	4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	4.9E+02	nc	4.9E+03	nc	2.9E+01	nc	2.9E+02	nc		
		1.0E-02	i			1.0E-02	r	0.05	94-75-7	2,4-Dichlorophenoxyacetic Acid (2,4-D)	6.9E+02	nc	7.7E+03	nc	3.7E+01	nc	3.6E+02	nc		
6.8E-02	h	1.1E-03	r	6.8E-02	r	1.1E-03	i	y	78-87-5	1,2-Dichloropropane	3.4E-01	ca*	7.4E-01	ca*	9.9E-02	ca*	1.6E-01	ca*	3.0E-02	1.0E-03
		2.0E-02	p			2.0E-02	r	y	142-28-9	**1,3-Dichloropropane**	1.0E+02	nc	3.6E+02	nc	7.3E+01	nc	1.2E+02	nc		
1.0E-01	i	3.0E-02	i	1.4E-02	i	5.7E-03	i	y	542-75-6	1,3-Dichloropropene	7.8E-01	ca	1.8E+00	ca	4.8E-01	ca	4.0E-01	ca	4.0E-03	2.0E-04
		3.0E-03	i			3.0E-03	r	0.1	616-23-9	2,3-Dichloropropanol	1.8E+02	nc	1.8E+03	nc	1.1E+01	nc	1.1E+02	nc		
2.9E-01	i	5.0E-04	i	2.9E-01	r	1.4E-04	i	0.1	62-73-7	Dichlorvos	1.7E+00	ca*	5.9E+00	ca*	2.3E-02	ca*	2.3E-01	ca*		
4.4E-01	x			4.4E-01	r			0.1	115-32-2	Dicofol	1.1E+00	ca	3.9E+00	ca	1.5E-02	ca	1.5E-01	ca		
		3.0E-02	h			5.7E-05	x	y	77-73-6	Dicyclopentadiene	5.4E-01	nc	1.8E+00	nc	2.1E-01	nc	4.2E-01	nc		
1.6E+01	i	5.0E-05	i	1.6E+01	i	5.0E-05	r	0.1	60-57-1	Dieldrin	3.0E-02	ca	1.1E-01	ca	4.2E-04	ca	4.2E-03	ca	4.0E-03	2.0E-04
		1.0E-02	p			5.7E-03	p	0.1	112-34-5	Diethylene glycol, monobutyl ether	6.1E+02	nc	6.2E+03	nc	2.1E+01	nc	3.6E+02	nc		
		6.0E-02	p			8.6E-04	p	0.1	111-90-0	Diethylene glycol, monoethyl ether	3.7E+03	nc	3.7E+04	nc	3.1E+00	nc	2.2E+03	nc		
		4.0E-04	p			4.0E-04	r	0.1	617-84-5	Diethylformamide	2.4E+01	nc	2.5E+02	nc	1.5E+00	nc	1.5E+01	nc		
1.2E-03	i	6.0E-01	i	1.2E-03	r	6.0E-01	r	0.1	103-23-1	Di(2-ethylhexyl)adipate	4.1E+02	ca	1.4E+03	ca	5.6E+00	ca	5.6E+01	ca		
		8.0E-01	i			8.0E-01	r	0.1	84-66-2	Diethyl phthalate	4.9E+04	nc	1.0E+05	max	2.9E+03	nc	2.9E+04	nc		
4.7E+03	h			4.7E+03	r			0.1	56-53-1	Diethylstilbestrol	1.0E-04	ca	3.7E-04	ca	1.4E-06	ca	1.4E-05	ca		
		8.0E-02	i			8.0E-02	r	0.1	43222-48-6	Difenzoquat (Avenge)	4.9E+03	nc	4.9E+04	nc	2.9E+02	nc	2.9E+03	nc		
		2.0E-02	i			2.0E-02	r	0.1	35367-38-5	Diflubenzuron	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		1.1E+01	r			1.1E+01	i	y	75-37-6	1,1-Difluoroethane					4.2E+04	nc	6.9E+04	nc		
		2.0E-02	n			2.0E-02	r	0.1	28553-12-0	Diisononyl phthalate	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
						1.1E-01	p		108-20-3	**Diisopropyl ether**					4.0E+02	nc				
		8.0E-02	i			8.0E-02	r	0.1	1445-75-6	Diisopropyl methylphosphonate	4.9E+03	nc	4.9E+04	nc	2.9E+02	nc	2.9E+03	nc		
		2.0E-02	i			2.0E-02	r	0.1	55290-64-7	Dimethipin	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		2.0E-04	i			2.0E-04	r	0.1	60-51-5	Dimethoate	1.2E+01	nc	1.2E+02	nc	7.3E-01	nc	7.3E+00	nc		
1.4E-02	h			1.4E-02	r			0.1	119-90-4	3,3'-Dimethoxybenzidine	3.5E+01	ca	1.2E+02	ca	4.8E-01	ca	4.8E+00	ca		
		5.7E-06	r			5.7E-06	x	y	124-40-3	Dimethylamine	6.7E-02	nc	2.5E-01	nc	2.1E-02	nc	3.5E-02	nc		
		2.0E-03	i			2.0E-03	r	0.1	121-69-7	N-N-Dimethylaniline	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
7.5E-01	h			7.5E-01	r			0.1	95-68-1	2,4-Dimethylaniline	6.5E-01	ca	2.3E+00	ca	9.0E-03	ca	9.0E-02	ca		

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ca** (where nc PRG < 10X ca PRG) +++=Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES								CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)	V O C / skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
5.8E-01	h			5.8E-01	r		0.1	21436-96-4	2,4-Dimethylaniline hydrochloride	8.4E-01	ca	3.0E+00	ca	1.2E-02	ca	1.2E-01	ca		
2.3E+00	p			2.3E+00	r		0.1	119-93-7	**3,3'-Dimethylbenzidine**	2.1E-01	ca	7.5E-01	ca	2.9E-03	ca	2.9E-02	ca		
		1.0E-01	h			8.6E-03	i 0.1	68-12-2	N,N-Dimethylformamide	6.1E+03	nc	6.2E+04	nc	3.1E+01	nc	3.6E+03	nc		
		1.0E-03	n			1.0E-03	r 0.1	122-09-8	Dimethylphenethylamine	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		2.0E-02	i			2.0E-02	r 0.1	105-67-9	2,4-Dimethylphenol	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc	9.0E+00	4.0E-01
		6.0E-04	i			6.0E-04	r 0.1	576-26-1	2,6-Dimethylphenol	3.7E+01	nc	3.7E+02	nc	2.2E+00	nc	2.2E+01	nc		
		1.0E-03	i			1.0E-03	r 0.1	95-65-8	3,4-Dimethylphenol	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		1.0E+01	h			1.0E+01	r 0.1	131-11-3	Dimethyl phthalate	1.0E+05	max	1.0E+05	max	3.7E+04	nc	3.6E+05	nc		
		1.0E-01	i			1.0E-01	r 0.1	120-61-6	Dimethyl terephthalate	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
		1.0E-04	p			1.0E-04	r 0.1	534-52-1	**4,6-Dinitro-o-cresol**	6.1E+00	nc	6.2E+01	nc	3.7E-01	nc	3.6E+00	nc		
		2.0E-03	i			2.0E-03	r 0.1	131-89-5	4,6-Dinitro-o-cyclohexyl phenol	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		1.0E-04	p			1.0E-04	r 0.1	528-29-0	1,2-Dinitrobenzene	6.1E+00	nc	6.2E+01	nc	3.7E-01	nc	3.6E+00	nc		
		1.0E-04	i			1.0E-04	r 0.1	99-65-0	1,3-Dinitrobenzene	6.1E+00	nc	6.2E+01	nc	3.7E-01	nc	3.6E+00	nc		
		1.0E-04	p			1.0E-04	r 0.1	100-25-4	1,4-Dinitrobenzene	6.1E+00	nc	6.2E+01	nc	3.7E-01	nc	3.6E+00	nc		
		2.0E-03	i			2.0E-03	r 0.1	51-28-5	2,4-Dinitrophenol	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc	3.0E-01	1.0E-02
6.8E-01	i			6.8E-01	r		0.1	25321-14-6	Dinitrotoluene mixture	7.2E-01	ca	2.5E+00	ca	9.9E-03	ca	9.9E-02	ca	8.0E-04	4.0E-05
		2.0E-03	i			2.0E-03	r 0.1	121-14-2	2,4-Dinitrotoluene (also see Dinitrotoluene mixture)	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc	8.0E-04	4.0E-05
		1.0E-03	h			1.0E-03	r 0.1	606-20-2	2,6-Dinitrotoluene (also see Dinitrotoluene mixture)	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc	7.0E-04	3.0E-05
		1.0E-03	i			1.0E-03	r 0.1	88-85-7	Dinoseb	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		4.0E-02	p			4.0E-02	r 0.1	117-84-0	di-n-Octyl phthalate	2.4E+03	nc	2.5E+04	nc	1.5E+02	nc	1.5E+03	nc	1.0E+04	1.0E+04
1.1E-02	i			1.1E-02	r		0.1	123-91-1	1,4-Dioxane	4.4E+01	ca	1.6E+02	ca	6.1E-01	ca	6.1E+00	ca		
1.5E+05	h			1.5E+05	h		0.03	1746-01-6	Dioxin (2,3,7,8-TCDD)+++	3.9E-06	ca	1.6E-05	ca	4.5E-08	ca	4.5E-07	ca		
		3.0E-02	i			3.0E-02	r 0.1	957-51-7	Diphenamid	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
		2.5E-02	i			2.5E-02	r 0.1	122-39-4	Diphenylamine	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
		3.0E-04	p			3.0E-04	r 0.1	74-31-7	N,N-Diphenyl-1,4 benzenediamine (DPPD)	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc		
8.0E-01	i			8.0E-01	i		0.1	122-66-7	1,2-Diphenylhydrazine	6.1E-01	ca	2.2E+00	ca	8.4E-03	ca	8.4E-02	ca		
		3.0E-03	p			3.0E-03	r 0.1	127-63-9	Diphenyl sulfone	1.8E+02	nc	1.8E+03	nc	1.1E+01	nc	1.1E+02	nc		
		2.2E-03	i			2.2E-03	r 0.1	85-00-7	Diquat	1.3E+02	nc	1.4E+03	nc	8.0E+00	nc	8.0E+01	nc		
8.6E+00	h			8.6E+00	r		0.1	1937-37-7	Direct black 38	5.7E-02	ca	2.0E-01	ca	7.8E-04	ca	7.8E-03	ca		
8.1E+00	h			8.1E+00	r		0.1	2602-46-2	Direct blue 6	6.0E-02	ca	2.1E-01	ca	8.3E-04	ca	8.3E-03	ca		
9.3E+00	h			9.3E+00	r		0.1	16071-86-6	Direct brown 95	5.2E-02	ca	1.9E-01	ca	7.2E-04	ca	7.2E-03	ca		
		4.0E-05	i			4.0E-05	r 0.1	298-04-4	Disulfoton	2.4E+00	nc	2.5E+01	nc	1.5E-01	nc	1.5E+00	nc		
		1.0E-02	i			1.0E-02	r 0.1	505-29-3	1,4-Dithiane	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		2.0E-03	i			2.0E-03	r 0.1	330-54-1	Diuron	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		4.0E-03	i			4.0E-03	r 0.1	2439-10-3	Dodine	2.4E+02	nc	2.5E+03	nc	1.5E+01	nc	1.5E+02	nc		
		1.0E-01	n					7429-91-6	Dysprosium	7.8E+03	nc	1.0E+05	max			3.6E+03	nc		
		6.0E-03	i			6.0E-03	r 0.1	115-29-7	Endosulfan	3.7E+02	nc	3.7E+03	nc	2.2E+01	nc	2.2E+02	nc	1.8E+01	9.0E-01
		2.0E-02	i			2.0E-02	r 0.1	145-73-3	Endothall	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		3.0E-04	i			3.0E-04	r 0.1	72-20-8	Endrin	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc	1.0E+00	5.0E-02
9.9E-03	i	2.0E-03	h	4.2E-03	h	2.9E-04	i y	106-89-8	Epichlorohydrin	7.6E+00	nc	2.6E+01	nc	1.0E+00	nc	2.0E+00	nc		

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ca** (where nc PRG < 10X ca PRG) +++=Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES								CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C	skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
8.00E-02	r			8.00E-02	c			y			**"CAL-Modified PRG"**	1.3E+00	nc	2.9E+00	nc	8.4E-02	nc	1.4E-01	nc		
		5.7E-03	r			5.7E-03	i		0.1	106-88-7	1,2-Epoxybutane	3.5E+02	nc	3.5E+03	nc	2.1E+01	nc	2.1E+02	nc		
		2.5E-02	i			2.5E-02	r		0.1	759-94-4	EPTC (S-Ethyl dipropylthiocarbamate)	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
		5.0E-03	i			5.0E-03	r		0.1	16672-87-0	Ethephon (2-chloroethyl phosphonic acid)	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		5.0E-04	i			5.0E-04	r		0.1	563-12-2	Ethion	3.1E+01	nc	3.1E+02	nc	1.8E+00	nc	1.8E+01	nc		
		4.0E-01	h			5.7E-02	i		0.1	110-80-5	2-Ethoxyethanol	2.4E+04	nc	1.0E+05	max	2.1E+02	nc	1.5E+04	nc		
		3.0E-01	h			3.0E-01	r		0.1	111-15-9	2-Ethoxyethanol acetate	1.8E+04	nc	1.0E+05	max	1.1E+03	nc	1.1E+04	nc		
		9.0E-01	i			9.0E-01	r	y		141-78-6	Ethyl acetate	1.9E+04	nc	3.7E+04	sat	3.3E+03	nc	5.5E+03	nc		
4.8E-02	h			4.8E-02	r			y		140-88-5	Ethyl acrylate	2.1E-01	ca	4.5E-01	ca	1.4E-01	ca	2.3E-01	ca		
		1.0E-01	i			2.9E-01	i	y		100-41-4	**Ethylbenzene**	4.0E+02	sat	4.0E+02	sat	1.1E+03	nc	1.3E+03	nc	1.3E+01	7.0E-01
2.9E-03	n	4.0E-01	n	2.9E-03	r	2.9E+00	i	y		75-00-3	Ethyl chloride	3.0E+00	ca	6.5E+00	ca	2.3E+00	ca	4.6E+00	ca		
		3.0E-01	h			3.0E-01	r		0.1	109-78-4	Ethylene cyanohydrin	1.8E+04	nc	1.0E+05	max	1.1E+03	nc	1.1E+04	nc		
		9.0E-02	p			9.0E-02	r		0.1	107-15-3	**Ethylene diamine**	5.5E+03	nc	5.5E+04	nc	3.3E+02	nc	3.3E+03	nc		
		2.0E+00	i			2.0E+00	r		0.1	107-21-1	Ethylene glycol	1.0E+05	max	1.0E+05	max	7.3E+03	nc	7.3E+04	nc		
		5.0E-01	i			3.7E+00	i		0.1	111-76-2	Ethylene glycol, monobutyl ether	3.1E+04	nc	1.0E+05	max	1.4E+04	nc	1.8E+04	nc		
1.0E+00	h			3.5E-01	h			y		75-21-8	Ethylene oxide	1.4E-01	ca	3.4E-01	ca	1.9E-02	ca	2.4E-02	ca		
1.1E-01	h	8.0E-05	i	1.1E-01	r	8.0E-05	r		0.1	96-45-7	Ethylene thiourea (ETU)	4.4E+00	ca**	1.6E+01	ca**	6.1E-02	ca**	6.1E-01	ca**		
		2.0E-01	i			2.0E-01	r	y		60-29-7	Ethyl ether	1.8E+03	sat	1.8E+03	sat	7.3E+02	nc	1.2E+03	nc		
		9.0E-02	h			9.0E-02	r	y		97-63-2	Ethyl methacrylate	1.4E+02	sat	1.4E+02	sat	3.3E+02	nc	5.5E+02	nc		
		1.0E-05	i			1.0E-05	r		0.1	2104-64-5	Ethyl p-nitrophenyl phenylphosphorothioate	6.1E-01	nc	6.2E+00	nc	3.7E-02	nc	3.6E-01	nc		
		3.0E+00	i			3.0E+00	r		0.1	84-72-0	Ethylphthalyl ethyl glycolate	1.0E+05	max	1.0E+05	max	1.1E+04	nc	1.1E+05	nc		
		8.0E-03	i			8.0E-03	r		0.1	101200-48-0	Express	4.9E+02	nc	4.9E+03	nc	2.9E+01	nc	2.9E+02	nc		
		2.5E-04	i			2.5E-04	r		0.1	22224-92-6	Fenamiphos	1.5E+01	nc	1.5E+02	nc	9.1E-01	nc	9.1E+00	nc		
		1.3E-02	i			1.3E-02	r		0.1	2164-17-2	Fluometuron	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
		6.0E-02	i						0.1	16984-48-8	Fluorine (soluble fluoride)	3.7E+03	nc	3.7E+04	nc			2.2E+03	nc		
		8.0E-02	i			8.0E-02	r		0.1	59756-60-4	Fluoridone	4.9E+03	nc	4.9E+04	nc	2.9E+02	nc	2.9E+03	nc		
		2.0E-02	i			2.0E-02	r		0.1	56425-91-3	Flurprimidol	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		6.0E-02	i			6.0E-02	r		0.1	66332-96-5	Flutolanil	3.7E+03	nc	3.7E+04	nc	2.2E+02	nc	2.2E+03	nc		
		1.0E-02	i			1.0E-02	r		0.1	69409-94-5	Fluvalinate	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
3.5E-03	i	1.0E-01	i	3.5E-03	r	1.0E-01	r		0.1	133-07-3	Folpet	1.4E+02	ca*	4.9E+02	ca	1.9E+00	ca	1.9E+01	ca		
1.9E-01	i			1.9E-01	r				0.1	72178-02-0	Fomesafen	2.6E+00	ca	9.1E+00	ca	3.5E-02	ca	3.5E-01	ca		
		2.0E-03	i			2.0E-03	r		0.1	944-22-9	Fonofos	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		1.5E-01	i	4.6E-02	i				0.1	50-00-0	Formaldehyde	9.2E+03	nc	1.0E+05	nc	1.5E-01	ca	5.5E+03	nc		
		2.0E+00	h			8.6E-04	p		0.1	64-18-6	**Formic Acid**	1.0E+05	max	1.0E+05	max	3.1E+00	nc	7.3E+04	nc		
		3.0E+00	i			3.0E+00	r		0.1	39148-24-8	Fosetyl-al	1.0E+05	max	1.0E+05	max	1.1E+04	nc	1.1E+05	nc		
		3.0E+01	i			8.6E+00	h	y		76-13-1	Freon 113	5.6E+03	sat	5.6E+03	sat	3.1E+04	nc	5.9E+04	nc		
		1.0E-03	i			1.0E-03	r	y		110-00-9	Furan	2.5E+00	nc	8.5E+00	nc	3.7E+00	nc	6.1E+00	nc		
3.8E+00	h			3.8E+00	r				0.1	67-45-8	Furazolidone	1.3E-01	ca	4.5E-01	ca	1.8E-03	ca	1.8E-02	ca		
		3.0E-03	i			1.4E-02	h		0.1	98-01-1	Furfural	1.8E+02	nc	1.8E+03	nc	5.2E+01	nc	1.1E+02	nc		
5.0E+01	h			5.0E+01	r				0.1	531-82-8	Furium	9.7E-03	ca	3.4E-02	ca	1.3E-04	ca	1.3E-03	ca		
3.0E-02	i			3.0E-02	r				0.1	60568-05-0	Furmecyclox	1.6E+01	ca	5.7E+01	ca	2.2E-01	ca	2.2E+00	ca		
		4.0E-04	i			4.0E-04	r		0.1	77182-82-2	Glufosinate-ammonium	2.4E+01	nc	2.5E+02	nc	1.5E+00	nc	1.5E+01	nc		

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TOXICITY VALUES								CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)											DAF 20 (mg/kg)	DAF 1 (mg/kg)
		4.0E-04	i			2.9E-04	h	Glycidaldehyde	2.4E+01	nc	2.5E+02	nc	1.0E+00	nc	1.5E+01	nc		
		1.0E-01	i			1.0E-01	r	Glyphosate	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
		5.0E-05	i			5.0E-05	r	Haloxyfop-methyl	3.1E+00	nc	3.1E+01	nc	1.8E-01	nc	1.8E+00	nc		
		1.3E-02	i			1.3E-02	r	Harmony	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
4.5E+00	i	5.0E-04	i	4.6E+00	i	5.0E-04	r	Heptachlor	1.1E-01	ca	3.8E-01	ca	1.5E-03	ca	1.5E-02	ca	2.3E+01	1.0E+00
9.1E+00	i	1.3E-05	i	9.1E+00	i	1.3E-05	r	Heptachlor epoxide	5.3E-02	ca*	1.9E-01	ca*	7.4E-04	ca*	7.4E-03	ca*	7.0E-01	3.0E-02
		2.0E-03	i			2.0E-03	r	Hexabromobenzene	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
1.6E+00	i	8.0E-04	i	1.6E+00	i	8.0E-04	r	Hexachlorobenzene	3.0E-01	ca	1.1E+00	ca	4.2E-03	ca	4.2E-02	ca	2.0E+00	1.0E-01
7.8E-02	i	3.0E-04	n	7.8E-02	i	3.0E-04	r	Hexachlorobutadiene	6.2E+00	ca**	2.2E+01	ca**	8.6E-02	ca*	8.6E-01	ca*	2.0E+00	1.0E-01
6.3E+00	i	5.0E-04	n	6.3E+00	i	5.0E-04	r	HCH (alpha)	9.0E-02	ca	3.6E-01	ca	1.1E-03	ca	1.1E-02	ca	5.0E-04	3.0E-05
1.8E+00	i	2.0E-04	n	1.8E+00	i	2.0E-04	r	HCH (beta)	3.2E-01	ca	1.3E+00	ca	3.7E-03	ca	3.7E-02	ca	3.0E-03	1.0E-04
1.3E+00	h	3.0E-04	i	1.3E+00	r	3.0E-04	r	HCH (gamma) Lindane	4.4E-01	ca*	1.7E+00	ca	5.2E-03	ca	5.2E-02	ca	9.0E-03	5.0E-04
1.8E+00	i			1.8E+00	i			HCH-technical	3.2E-01	ca	1.3E+00	ca	3.8E-03	ca	3.7E-02	ca	3.0E-03	1.0E-04
		6.0E-03	i			5.7E-05	i	Hexachlorocyclopentadiene	3.7E+02	nc	3.7E+03	nc	2.1E-01	nc	2.2E+02	nc	4.0E+02	2.0E+01
1.4E-02	i	1.0E-03	i	1.4E-02	i	1.0E-03	r	Hexachloroethane	3.5E+01	ca**	1.2E+02	ca**	4.8E-01	ca**	4.8E+00	ca**	5.0E-01	2.0E-02
		3.0E-04	i			3.0E-04	r	Hexachlorophene	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc		
1.1E-01	i	3.0E-03	i	1.1E-01	r	3.0E-03	r	Hexahydro-1,3,5-trinitro-1,3,5-triazine	4.4E+00	ca*	1.6E+01	ca	6.1E-02	ca	6.1E-01	ca		
		2.9E-06	r			2.9E-06	i	1,6-Hexamethylene diisocyanate	1.7E-01	nc	1.8E+00	nc	1.0E-02	nc	1.0E-01	nc		
		1.1E+01	p			5.7E-02	i y	**n-Hexane**	1.1E+02	sat	1.1E+02	sat	2.1E+02	nc	4.2E+02	nc		
		3.3E-02	i			3.3E-02	r	Hexazinone	2.0E+03	nc	2.0E+04	nc	1.2E+02	nc	1.2E+03	nc		
		5.0E-02	i			5.0E-02	r	HMX	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
3.0E+00	i			1.7E+01	i			Hydrazine, hydrazine sulfate	1.6E-01	ca	5.7E-01	ca	3.9E-04	ca	2.2E-02	ca		
3.0E+00	n			1.7E+01	n			Hydrazine, monomethyl	1.6E-01	ca	5.7E-01	ca	4.0E-04	ca	2.2E-02	ca		
3.0E+00	n			1.7E+01	n			Hydrazine, dimethyl	1.6E-01	ca	5.7E-01	ca	4.0E-04	ca	2.2E-02	ca		
						5.7E-03	i	Hydrogen chloride					2.1E+01	nc				
		2.0E-02	i			8.6E-04	i y	Hydrogen cyanide	1.1E+01	nc	3.5E+01	nc	3.1E+00	nc	6.2E+00	nc		
		3.0E-03	i			2.9E-04	i	Hydrogen sulfide					1.0E+00	nc	1.1E+02	nc		
5.6E-02	p	4.0E-02	p	5.6E-02	r	4.0E-02	r	**p-Hydroquinone**	8.7E+00	ca	3.1E+01	ca	1.2E-01	ca	1.2E+00	ca		
		1.3E-02	i			1.3E-02	r	Imazalil	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
		2.5E-01	i			2.5E-01	r	Imazaquin	1.5E+04	nc	1.0E+05	max	9.1E+02	nc	9.1E+03	nc		
		4.0E-02	i			4.0E-02	r	Iprodione	2.4E+03	nc	2.5E+04	nc	1.5E+02	nc	1.5E+03	nc		
		3.0E-01	n					Iron	2.3E+04	nc	1.0E+05	max			1.1E+04	nc		
		3.0E-01	i			3.0E-01	r y	Isobutanol	1.3E+04	nc	4.0E+04	sat	1.1E+03	nc	1.8E+03	nc		
9.5E-04	i	2.0E-01	i	9.5E-04	r	2.0E-01	r	Isophorone	5.1E+02	ca*	5.1E+02	ca*	7.1E+00	ca	7.1E+01	ca	5.0E-01	3.0E-02
		1.5E-02	i			1.5E-02	r	Isopropalin	9.2E+02	nc	9.2E+03	nc	5.5E+01	nc	5.5E+02	nc		
		1.0E-01	i			1.1E-01	r	Isopropyl methyl phosphonic acid	6.1E+03	nc	6.2E+04	nc	4.0E+02	nc	3.6E+03	nc		
		5.0E-02	i			5.0E-02	r	Isoxaben	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
8.0E+00	p	2.0E-04	p	8.0E+00	r	2.0E-04	r	Kepone	6.1E-02	ca	2.2E-01	ca	8.4E-04	ca	8.4E-03	ca		
		2.0E-03	i			2.0E-03	r	Lactofen	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
www.epa.gov/superfund/programs/lead/ieubk.htm								**Lead+++**	4.0E+02	nc	8.0E+02	nc						
www.dtsc.ca.gov/ScienceTechnology/ledspred.html								"CAL-Modified PRG"+++	1.5E+02	nc								
		1.0E-07	i					Lead (tetraethyl)	6.1E-03	nc	6.2E-02	nc			3.6E-03	nc		

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ca** (where nc PRG < 10X ca PRG) +++=Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)	V O C	skin abs. soils	CAS No.	Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		2.0E-03	i			2.0E-03	r	0.1	330-55-2	Linuron	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		2.0E-02	x						7439-93-2	Lithium	1.6E+03	nc	2.0E+04	nc			7.3E+02	nc		
		2.0E-01	i			2.0E-01	r	0.1	83055-99-6	Londax	1.2E+04	nc	1.0E+05	max	7.3E+02	nc	7.3E+03	nc		
		2.0E-02	i			2.0E-02	r	0.1	121-75-5	Malathion	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		1.0E-01	i			1.0E-01	r	0.1	108-31-6	Maleic anhydride	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
		5.0E-01	i			5.0E-01	r	y	123-33-1	Maleic hydrazide	1.7E+03	nc	2.4E+03	sat	1.8E+03	nc	3.0E+03	nc		
		1.0E-04	p			1.0E-04	r	0.1	109-77-3	**Malononitrile**	6.1E+00	nc	6.2E+01	nc	3.7E-01	nc	3.6E+00	nc		
		3.0E-02	h			3.0E-02	r	0.1	8018-01-7	Mancozeb	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
6.0E-02	o	5.0E-03	i	6.0E-02	r	5.0E-03	r	0.1	12427-38-2	Maneb	8.1E+00	ca*	2.9E+01	ca	1.1E-01	ca	1.1E+00	ca		
		2.4E-02	i			1.4E-05	i		7439-96-5	Manganese and compounds+++	1.8E+03	nc	1.9E+04	nc	5.1E-02	nc	8.8E+02	nc		
		9.0E-05	h			9.0E-05	r	0.1	950-10-7	Mephosfolan	5.5E+00	nc	5.5E+01	nc	3.3E-01	nc	3.3E+00	nc		
		3.0E-02	i			3.0E-02	r	0.1	24307-26-4	Mepiquat chloride	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
2.9E-02	n	1.0E-01	n	2.9E-02	r	1.0E-01	r	0.1	149-30-4	2-Mercaptobenzothiazole	1.7E+01	ca	5.9E+01	ca	2.3E-01	ca	2.3E+00	ca		
		3.0E-04	i						7487-94-7	Mercury and compounds	2.3E+01	nc	3.1E+02	nc			1.1E+01	nc		
						8.6E-05	i		7439-97-6	Mercury (elemental)					3.1E-01	nc				
		1.0E-04	i					0.1	22967-92-6	Mercury (methyl)	6.1E+00	nc	6.2E+01	nc			3.6E+00	nc		
		3.0E-05	i			3.0E-05	r	0.1	150-50-5	Merphos	1.8E+00	nc	1.8E+01	nc	1.1E-01	nc	1.1E+00	nc		
		3.0E-05	i			3.0E-05	r	0.1	78-48-8	Merphos oxide	1.8E+00	nc	1.8E+01	nc	1.1E-01	nc	1.1E+00	nc		
		6.0E-02	i			6.0E-02	r	0.1	57837-19-1	Metalaxyl	3.7E+03	nc	3.7E+04	nc	2.2E+02	nc	2.2E+03	nc		
		1.0E-04	i			2.0E-04	h	y	126-98-7	Methacrylonitrile	2.1E+00	nc	8.4E+00	nc	7.3E-01	nc	1.0E+00	nc		
		5.0E-05	i			5.0E-05	r	0.1	10265-92-6	Methamidophos	3.1E+00	nc	3.1E+01	nc	1.8E-01	nc	1.8E+00	nc		
		5.0E-01	i			5.0E-01	r	0.1	67-56-1	Methanol	3.1E+04	nc	1.0E+05	max	1.8E+03	nc	1.8E+04	nc		
		1.0E-03	i			1.0E-03	r	0.1	950-37-8	Methidathion	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		2.5E-02	i			2.5E-02	r	y	16752-77-5	Methomyl	4.4E+01	nc	1.5E+02	nc	9.1E+01	nc	1.5E+02	nc		
		5.0E-03	i			5.0E-03	r	0.1	72-43-5	Methoxychlor	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc	1.6E+02	8.0E+00
		1.0E-03	h			5.7E-03	i	0.1	109-86-4	2-Methoxyethanol	6.1E+01	nc	6.2E+02	nc	2.1E+01	nc	3.6E+01	nc		
		2.0E-03	h			2.0E-03	r	0.1	110-49-6	2-Methoxyethanol acetate	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
4.6E-02	h			4.6E-02	r			0.1	99-59-2	2-Methoxy-5-nitroaniline	1.1E+01	ca	3.7E+01	ca	1.5E-01	ca	1.5E+00	ca		
		1.0E+00	h			1.0E+00	r	y	79-20-9	Methyl acetate	2.2E+04	nc	9.2E+04	nc	3.7E+03	nc	6.1E+03	nc		
		3.0E-02	h			3.0E-02	r	y	96-33-3	Methyl acrylate	7.0E+01	nc	2.3E+02	nc	1.1E+02	nc	1.8E+02	nc		
2.4E-01	h			2.4E-01	r			0.1	95-53-4	2-Methylaniline (o-toluidine)	2.0E+00	ca	7.2E+00	ca	2.8E-02	ca	2.8E-01	ca		
1.8E-01	h			1.8E-01	r			0.1	636-21-5	2-Methylaniline hydrochloride	2.7E+00	ca	9.6E+00	ca	3.7E-02	ca	3.7E-01	ca		
		5.0E-04	i			5.0E-04	r	0.1	94-74-6	2-Methyl-4-chlorophenoxyacetic acid	3.1E+01	nc	3.1E+02	nc	1.8E+00	nc	1.8E+01	nc		
		1.0E-02	i			1.0E-02	r	0.1	94-81-5	4-(2-Methyl-4-chlorophenoxy) butyric acid	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		1.0E-03	i			1.0E-03	r	0.1	93-65-2	2-(2-Methyl-4-chlorophenoxy) propionic acid	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		1.0E-03	i			1.0E-03	r	0.1	16484-77-8	2-(2-Methyl-1,4-chlorophenoxy) propionic acid	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		8.6E-01	r			8.6E-01	h	y	108-87-2	Methylcyclohexane	2.6E+03	nc	8.7E+03	nc	3.1E+03	nc	5.2E+03	nc		
2.5E-01	h			2.5E-01	r			0.1	101-77-9	4,4'-Methylenebisbenzeneamine	1.9E+00	ca	6.9E+00	ca	2.7E-02	ca	2.7E-01	ca		
1.3E-01	h	7.0E-04	h	1.3E-01	h	7.0E-04	r	0.1	101-14-4	4,4'-Methylene bis(2-chloroaniline)	3.7E+00	ca*	1.3E+01	ca*	5.2E-02	ca*	5.2E-01	ca*		
4.6E-02	i			4.6E-02	r			0.1	101-61-1	4,4'-Methylene bis(N,N'-dimethyl)aniline	1.1E+01	ca	3.7E+01	ca	1.5E-01	ca	1.5E+00	ca		
		1.0E-02	h			1.0E-02	r	y	74-95-3	Methylene bromide	6.7E+01	nc	2.3E+02	nc	3.7E+01	nc	6.1E+01	nc		
7.5E-03	i	6.0E-02	i	1.6E-03	i	8.6E-01	h	y	75-09-2	Methylene chloride	9.1E+00	ca	2.1E+01	ca	4.1E+00	ca	4.3E+00	ca	2.0E-02	1.0E-03

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SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C / skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		1.7E-04	r			1.7E-04	i	0.1	101-68-8	4,4'-Methylene diphenyl diisocyanate	1.0E+01	nc	1.0E+02	nc	6.2E-01	nc	6.2E+00	nc		
		6.0E-01	i			1.4E+00	i y		78-93-3	**Methyl ethyl ketone (2-Butanone)**	2.2E+04	nc	1.1E+05	nc	5.1E+03	nc	7.0E+03	nc		
		8.0E-02	h			8.6E-01	i y		108-10-1	**Methyl isobutyl ketone**	5.3E+03	nc	4.7E+04	nc	3.1E+03	nc	2.0E+03	nc		
		5.7E-04	r			5.7E-04	n	0.1	74-93-1	Methyl Mercaptan	3.5E+01	nc	3.5E+02	nc	2.1E+00	nc	2.1E+01	nc		
		1.4E+00	i			2.0E-01	i y		80-62-6	Methyl methacrylate	2.2E+03	nc	2.7E+03	sat	7.3E+02	nc	1.4E+03	nc		
3.3E-02	h			3.3E-02	r			0.1	99-55-8	2-Methyl-5-nitroaniline	1.5E+01	ca	5.2E+01	ca	2.0E-01	ca	2.0E+00	ca		
		2.5E-04	i			2.5E-04	r	0.1	298-00-0	Methyl parathion	1.5E+01	nc	1.5E+02	nc	9.1E-01	nc	9.1E+00	nc		
		5.0E-02	i			5.0E-02	r	0.1	95-48-7	2-Methylphenol	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc	1.5E+01	8.0E-01
		5.0E-02	i			5.0E-02	r	0.1	108-39-4	3-Methylphenol	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		5.0E-03	h			5.0E-03	r	0.1	106-44-5	4-Methylphenol	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		2.0E-02	p			2.0E-02	r	0.1	993-13-5	Methyl phosphonic acid	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		6.0E-03	h			1.1E-02	h y		25013-15-4	Methyl styrene (mixture)	1.3E+02	nc	5.4E+02	nc	4.2E+01	nc	6.0E+01	nc		
		7.0E-02	h			7.0E-02	r y		98-83-9	Methyl styrene (alpha)	6.8E+02	sat	6.8E+02	sat	2.6E+02	nc	4.3E+02	nc		
1.8E-03	c	8.6E-01	r	9.1E-04	c	8.6E-01	i y		1634-04-4	**Methyl tertbutyl ether (MTBE)**	3.2E+01	ca	7.0E+01	ca	7.4E+00	ca	1.1E+01	ca		
		1.5E-01	i			1.5E-01	r	0.1	51218-45-2	Metolaclor (Dual)	9.2E+03	nc	9.2E+04	nc	5.5E+02	nc	5.5E+03	nc		
		2.5E-02	i			2.5E-02	r	0.1	21087-64-9	Metribuzin	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
1.8E+00	x	2.0E-04	i	1.8E+00	r	2.0E-04	r	0.1	2385-85-5	Mirex	2.7E-01	ca*	9.6E-01	ca	3.7E-03	ca	3.7E-02	ca		
		2.0E-03	i			2.0E-03	r	0.1	2212-67-1	Molinate	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		5.0E-03	i						7439-98-7	Molybdenum	3.9E+02	nc	5.1E+03	nc			1.8E+02	nc		
		1.0E-01	i			1.0E-01	r	0.1	10599-90-3	Monochloramine	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
		2.0E-03	i			2.0E-03	r	0.1	300-76-5	Naled	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		1.0E-01	i			1.0E-01	r	0.1	15299-99-7	Napropamide	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
		2.0E-02	i						7440-02-0	Nickel (soluble salts)	1.6E+03	nc	2.0E+04	nc			7.3E+02	nc	1.3E+02	7.0E+00
				8.4E-01	i					Nickel refinery dust					8.0E-03	ca				
				1.7E+00	i				12035-72-2	Nickel subsulfide			1.1E+04	ca	4.0E-03	ca				
Tap Water PRG Based on Infant NOAEL (see IRIS)									14797-55-8	Nitrate+++							1.0E+04	nc		
Tap Water PRG Based on Infant NOAEL (see IRIS)									14797-65-0	Nitrite+++							1.0E+03	nc		
		3.0E-03	p			3.0E-05	p	0.1	88-74-4	**2-Nitroaniline**	1.8E+02	nc	1.8E+03	nc	1.1E-01	nc	1.1E+02	nc		
2.1E-02	p	3.0E-04	p	2.1E-02	r	3.0E-04	p	0.1	99-09-2	**3-Nitroaniline**	1.8E+01	nc	8.2E+01	ca**	3.2E-01	ca**	3.2E+00	ca**		
2.1E-02	p	3.0E-03	p	2.1E-02	r	1.0E-03	p	0.1	100-01-6	**4-Nitroaniline**	2.3E+01	ca**	8.2E+01	ca*	3.2E-01	ca*	3.2E+00	ca*		
		5.0E-04	i			5.7E-04	h y		98-95-3	Nitrobenzene	2.0E+01	nc	1.0E+02	nc	2.1E+00	nc	3.4E+00	nc	1.0E-01	7.0E-03
		7.0E-02	h			7.0E-02	r	0.1	67-20-9	Nitrofurantoin	4.3E+03	nc	4.3E+04	nc	2.6E+02	nc	2.6E+03	nc		
1.5E+00	h			1.5E+00	r			0.1	59-87-0	Nitrofurazone	3.2E-01	ca	1.1E+00	ca	4.5E-03	ca	4.5E-02	ca		
1.4E-02	n			1.4E-02	r			0.1	55-63-0	Nitroglycerin	3.5E+01	ca	1.2E+02	ca	4.8E-01	ca	4.8E+00	ca		
		1.0E-01	i			1.0E-01	r	0.1	556-88-7	Nitroguanidine	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
9.4E+00	r	5.7E-03	r	9.4E+00	h	5.7E-03	i y		79-46-9	2-Nitropropane					7.2E-04	ca	1.2E-03	ca		
5.4E+00	i			5.6E+00	i		y		924-16-3	N-Nitrosodi-n-butylamine	2.4E-02	ca	5.8E-02	ca	1.2E-03	ca	2.0E-03	ca		
2.8E+00	i			2.8E+00	r			0.1	1116-54-7	N-Nitrosodiethanolamine	1.7E-01	ca	6.2E-01	ca	2.4E-03	ca	2.4E-02	ca		
1.5E+02	i			1.5E+02	i			0.1	55-18-5	N-Nitrosodiethylamine	3.2E-03	ca	1.1E-02	ca	4.5E-05	ca	4.5E-04	ca		
5.1E+01	i	8.0E-06	p	4.9E+01	i	8.0E-06	r	0.1	62-75-9	**N-Nitrosodimethylamine**	9.5E-03	ca*	3.4E-02	ca	1.4E-04	ca	1.3E-03	ca		
4.9E-03	i	2.0E-02	p	4.9E-03	r	2.0E-02	r	0.1	86-30-6	**N-Nitrosodiphenylamine**	9.9E+01	ca*	3.5E+02	ca*	1.4E+00	ca*	1.4E+01	ca*	1.0E+00	6.0E-02
7.0E+00	i			7.0E+00	r			0.1	621-64-7	N-Nitroso di-n-propylamine	6.9E-02	ca	2.5E-01	ca	9.6E-04	ca	9.6E-03	ca	5.0E-05	2.0E-06

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2.2E+01	i			2.2E+01	r		0.1	10595-95-6	N-Nitroso-N-methylethylamine	2.2E-02	ca	7.8E-02	ca	3.1E-04	ca	3.1E-03	ca		
2.1E+00	i			2.1E+00	i		0.1	930-55-2	N-Nitrosopyrrolidine	2.3E-01	ca	8.2E-01	ca	3.1E-03	ca	3.2E-02	ca		
		2.0E-02	p			2.0E-02	r y	99-08-1	**m-Nitrotoluene**	7.3E+02	nc	1.0E+03	sat	7.3E+01	nc	1.2E+02	nc		
2.3E-01	p	1.0E-02	h	2.3E-01	r	1.0E-02	r y	88-72-2	**o-Nitrotoluene**	8.8E-01	ca	2.2E+00	ca	2.9E-02	ca	4.9E-02	ca		
1.7E-02	p	1.0E-02	p	1.7E-02	r	1.0E-02	r y	99-99-0	**p-Nitrotoluene**	1.2E+01	ca*	3.0E+01	ca*	4.0E-01	ca*	6.6E-01	ca*		
		4.0E-02	i			4.0E-02	r 0.1	27314-13-2	Norflurazon	2.4E+03	nc	2.5E+04	nc	1.5E+02	nc	1.5E+03	nc		
		7.0E-04	i			7.0E-04	r 0.1	85509-19-9	NuStar	4.3E+01	nc	4.3E+02	nc	2.6E+00	nc	2.6E+01	nc		
		3.0E-03	i			3.0E-03	r 0.1	32536-52-0	Octabromodiphenyl ether	1.8E+02	nc	1.8E+03	nc	1.1E+01	nc	1.1E+02	nc		
		2.0E-03	h			2.0E-03	r 0.1	152-16-9	Octamethylpyrophosphoramide	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		5.0E-02	i			5.0E-02	r 0.1	19044-88-3	Oryzalin	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		5.0E-03	i			5.0E-03	r 0.1	19666-30-9	Oxadiazon	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		2.5E-02	i			2.5E-02	r 0.1	23135-22-0	Oxamyl	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
		3.0E-03	i			3.0E-03	r 0.1	42874-03-3	Oxyfluorfen	1.8E+02	nc	1.8E+03	nc	1.1E+01	nc	1.1E+02	nc		
		1.3E-02	i			1.3E-02	r 0.1	76738-62-0	Paclobutrazol	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
		4.5E-03	i			4.5E-03	r 0.1	4685-14-7	Paraquat	2.7E+02	nc	2.8E+03	nc	1.6E+01	nc	1.6E+02	nc		
		6.0E-03	h			6.0E-03	r 0.1	56-38-2	Parathion	3.7E+02	nc	3.7E+03	nc	2.2E+01	nc	2.2E+02	nc		
		5.0E-02	h			5.0E-02	r 0.1	1114-71-2	Pebulate	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		4.0E-02	i			4.0E-02	r 0.1	40487-42-1	Pendimethalin	2.4E+03	nc	2.5E+04	nc	1.5E+02	nc	1.5E+03	nc		
2.3E-02	h			2.3E-02	r		0.1	87-84-3	Pentabromo-6-chloro cyclohexane	2.1E+01	ca	7.5E+01	ca	2.9E-01	ca	2.9E+00	ca		
		2.0E-03	i			2.0E-03	r 0.1	32534-81-9	Pentabromodiphenyl ether	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		8.0E-04	i			8.0E-04	r 0.1	608-93-5	Pentachlorobenzene	4.9E+01	nc	4.9E+02	nc	2.9E+00	nc	2.9E+01	nc		
2.6E-01	h	3.0E-03	i	2.6E-01	r	3.0E-03	r 0.1	82-68-8	Pentachloronitrobenzene	1.9E+00	ca*	6.6E+00	ca	2.6E-02	ca	2.6E-01	ca		
1.2E-01	i	3.0E-02	i	1.2E-01	r	3.0E-02	r 0.25	87-86-5	Pentachlorophenol	3.0E+00	ca	9.0E+00	ca	5.6E-02	ca	5.6E-01	ca	3.0E-02	1.0E-03
		1.0E-04	n					7601-90-3	Perchlorate	7.8E+00	ca/nc	1.0E+02	ca/nc			3.6E+00	ca/nc		
		5.0E-02	i			5.0E-02	r 0.1	52645-53-1	Permethrin	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		2.5E-01	i			2.5E-01	r 0.1	13684-63-4	Phenmedipham	1.5E+04	nc	1.0E+05	max	9.1E+02	nc	9.1E+03	nc		
		3.0E-01	i			3.0E-01	r 0.1	108-95-2	**Phenol**	1.8E+04	nc	1.0E+05	max	1.1E+03	nc	1.1E+04	nc	1.0E+02	5.0E+00
		2.0E-03	n			2.0E-03	r 0.1	92-84-2	Phenothiazine	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		6.0E-03	i			6.0E-03	r 0.1	108-45-2	m-Phenylenediamine	3.7E+02	nc	3.7E+03	nc	2.2E+01	nc	2.2E+02	nc		
4.7E-02	h			4.7E-02	r		0.1	95-54-5	**o-Phenylenediamine**	1.0E+01	ca	3.7E+01	ca	1.4E-01	ca	1.4E+00	ca		
		1.9E-01	h			1.9E-01	r 0.1	106-50-3	p-Phenylenediamine	1.2E+04	nc	1.0E+05	max	6.9E+02	nc	6.9E+03	nc		
		8.0E-05	i			8.0E-05	r 0.1	62-38-4	Phenylmercuric acetate	4.9E+00	nc	4.9E+01	nc	2.9E-01	nc	2.9E+00	nc		
1.9E-03	h			1.9E-03	r		0.1	90-43-7	2-Phenylphenol	2.5E+02	ca	8.9E+02	ca	3.5E+00	ca	3.5E+01	ca		
		2.0E-04	h			2.0E-04	r 0.1	298-02-2	Phorate	1.2E+01	nc	1.2E+02	nc	7.3E-01	nc	7.3E+00	nc		
		2.0E-02	i			2.0E-02	r 0.1	732-11-6	Phosmet	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		3.0E-04	i			8.6E-05	i 0.1	7803-51-2	Phosphine	1.8E+01	nc	1.8E+02	nc	3.1E-01	nc	1.1E+01	nc		
						2.9E-03	i	7664-38-2	Phosphoric acid					1.0E+01	nc				
		2.0E-05	i					7723-14-0	Phosphorus (white)	1.6E+00	nc	2.0E+01	nc			7.3E-01	nc		
		1.0E+00	h			1.0E+00	r 0.1	100-21-0	p-Phthalic acid	6.1E+04	nc	1.0E+05	max	3.7E+03	nc	3.6E+04	nc		
		2.0E+00	i			3.4E-02	h 0.1	85-44-9	Phthalic anhydride	1.0E+05	max	1.0E+05	max	1.2E+02	nc	7.3E+04	nc		
		7.0E-02	i			7.0E-02	r 0.1	1918-02-1	Picloram	4.3E+03	nc	4.3E+04	nc	2.6E+02	nc	2.6E+03	nc		
		1.0E-02	i			1.0E-02	r 0.1	29232-93-7	Pirimiphos-methyl	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		

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TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)	V O C	skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
8.9E+00	h	7.0E-06	h	8.9E+00	r	7.0E-06	r	0.1		Polybrominated biphenyls	5.5E-02	ca**	1.9E-01	ca*	7.6E-04	ca*	7.6E-03	ca*		
										Polychlorinated biphenyls (PCBs, see IRIS)										
7.0E-02	i	7.0E-05	i	7.0E-02	i	7.0E-05	r	0.14	12674-11-2	PCBs (unspeciated mixture, low risk, e.g. Aroclor 1016)	3.9E+00	nc	2.1E+01	ca**	9.6E-02	ca**	9.6E-01	ca**		
2.0E+00	i	2.0E-05	i	2.0E+00	i	2.0E-05	r	0.14	11097-69-1	PCBs (unspeciated mixture, high risk, e.g. Aroclor 1254)	2.2E-01	ca**	7.4E-01	ca*	3.4E-03	ca*	3.4E-02	ca*		
4.5E+00	n			4.5E+00	r			0.1	61788-33-8	Polychlorinated terphenyls	1.1E-01	ca	3.8E-01	ca	1.5E-03	ca	1.5E-02	ca		
										Polynuclear aromatic hydrocarbons (PAHs)										
		6.0E-02	i			6.0E-02	r	y	83-32-9	Acenaphthene	3.7E+03	nc	2.9E+04	nc	2.2E+02	nc	3.7E+02	nc	5.7E+02	2.9E+01
		3.0E-01	i			3.0E-01	r	y	120-12-7	Anthracene	2.2E+04	nc	1.0E+05	max	1.1E+03	nc	1.8E+03	nc	1.2E+04	5.9E+02
7.3E-01	n			7.3E-01	r			0.13	56-55-3	Benz[a]anthracene	6.2E-01	ca	2.1E+00	ca	9.2E-03	ca	9.2E-02	ca	2.0E+00	8.0E-02
7.3E-01	n			7.3E-01	r			0.13	205-99-2	Benzo[b]fluoranthene	6.2E-01	ca	2.1E+00	ca	9.2E-03	ca	9.2E-02	ca	5.0E+00	2.0E-01
7.3E-02	n			7.3E-02	r			0.13	207-08-9	Benzo[k]fluoranthene	6.2E+00	ca	2.1E+01	ca	9.2E-02	ca	9.2E-01	ca	4.9E+01	2.0E+00
1.2E+00	c			3.9E-01	c			0.13	207-08-9	"CAL-Modified PRG"	3.8E-01	ca	1.3E+00	ca	1.7E-02	ca	5.6E-02	ca		
7.3E+00	i			7.3E+00	r			0.13	50-32-8	Benzo[a]pyrene	6.2E-02	ca	2.1E-01	ca	9.2E-04	ca	9.2E-03	ca	8.0E+00	4.0E-01
7.3E-03	n			7.3E-03	r			0.13	218-01-9	Chrysene	6.2E+01	ca	2.1E+02	ca	9.2E-01	ca	9.2E+00	ca	1.6E+02	8.0E+00
1.2E-01	c			3.9E-02	c			0.13		"CAL-Modified PRG"	3.8E+00	ca	1.3E+01	ca	1.7E-01	ca	5.6E-01	ca		
7.3E+00	n			7.3E+00	r			0.13	53-70-3	Dibenz[ah]anthracene	6.2E-02	ca	2.1E-01	ca	9.2E-04	ca	9.2E-03	ca	2.0E+00	8.0E-02
		4.0E-02	i			4.0E-02	r	0.13	206-44-0	Fluoranthene	2.3E+03	nc	2.2E+04	nc	1.5E+02	nc	1.5E+03	nc	4.3E+03	2.1E+02
		4.0E-02	i			4.0E-02	r	y	86-73-7	Fluorene	2.7E+03	nc	2.6E+04	nc	1.5E+02	nc	2.4E+02	nc	5.6E+02	2.8E+01
7.3E-01	n			7.3E-01	r			0.13	193-39-5	Indeno[1,2,3-cd]pyrene	6.2E-01	ca	2.1E+00	ca	9.2E-03	ca	9.2E-02	ca	1.4E+01	7.0E-01
		2.0E-02	i			8.6E-04	i	y	91-20-3	Naphthalene	5.6E+01	nc	1.9E+02	nc	3.1E+00	nc	6.2E+00	nc	8.4E+01	4.0E+00
1.2E-01	r			1.2E-01	c					**"CAL-Modified PRG"**	1.7E+00	ca	4.2E+00	ca	5.6E-02	ca	9.3E-02	ca		
		3.0E-02	i			3.0E-02	r	y	129-00-0	Pyrene	2.3E+03	nc	2.9E+04	nc	1.1E+02	nc	1.8E+02	nc	4.2E+03	2.1E+02
1.5E-01	i	9.0E-03	i	1.5E-01	r	9.0E-03	r	0.1	67747-09-5	Prochloraz	3.2E+00	ca	1.1E+01	ca	4.5E-02	ca	4.5E-01	ca		
		6.0E-03	h			6.0E-03	r	0.1	26399-36-0	Profluralin	3.7E+02	nc	3.7E+03	nc	2.2E+01	nc	2.2E+02	nc		
		1.5E-02	i			1.5E-02	r	0.1	1610-18-0	Prometon	9.2E+02	nc	9.2E+03	nc	5.5E+01	nc	5.5E+02	nc		
		4.0E-03	i			4.0E-03	r	0.1	7287-19-6	Prometryn	2.4E+02	nc	2.5E+03	nc	1.5E+01	nc	1.5E+02	nc		
		7.5E-02	i			7.5E-02	r	0.1	23950-58-5	Pronamide	4.6E+03	nc	4.6E+04	nc	2.7E+02	nc	2.7E+03	nc		
		1.3E-02	i			1.3E-02	r	0.1	1918-16-7	Propachlor	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
		5.0E-03	i			5.0E-03	r	0.1	709-98-8	Propanil	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		2.0E-02	i			2.0E-02	r	0.1	2312-35-8	Propargite	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		2.0E-03	i			2.0E-03	r	0.1	107-19-7	Propargyl alcohol	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		2.0E-02	i			2.0E-02	r	0.1	139-40-2	Propazine	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		2.0E-02	i			2.0E-02	r	0.1	122-42-9	Propham	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		1.3E-02	i			1.3E-02	r	0.1	60207-90-1	Propiconazole	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
									98-82-8	Isopropylbenzene (see Cumene)										
		4.0E-02	n			4.0E-02	r	y	103-65-1	n-Propylbenzene	2.4E+02	sat	2.4E+02	sat	1.5E+02	nc	2.4E+02	nc		
		5.0E-01	p			8.6E-04	p	0.1	57-55-6	Propylene glycol	3.0E+04	nc	1.0E+05	max	3.1E+00	nc	1.8E+04	nc		
		7.0E-01	h			7.0E-01	r	0.1	52125-53-8	Propylene glycol, monoethyl ether	4.3E+04	nc	1.0E+05	max	2.6E+03	nc	2.6E+04	nc		
		7.0E-01	h			5.7E-01	i	0.1	107-98-2	Propylene glycol, monomethyl ether	4.3E+04	nc	1.0E+05	max	2.1E+03	nc	2.6E+04	nc		
2.4E-01	i	8.6E-03	r	1.3E-02	i	8.6E-03	i	y	75-56-9	Propylene oxide	1.9E+00	ca*	6.6E+00	ca*	5.2E-01	ca*	2.2E-01	ca		
		2.5E-01	i			2.5E-01	r	0.1	81335-77-5	Pursuit	1.5E+04	nc	1.0E+05	max	9.1E+02	nc	9.1E+03	nc		
		2.5E-02	i			2.5E-02	r	0.1	51630-58-1	Pydrin	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		

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ca** (where nc PRG < 10X ca PRG) +++=Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C / skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		1.0E-03	i			1.0E-03	r	0.1	110-86-1	Pyridine	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		5.0E-04	i			5.0E-04	r	0.1	13593-03-8	Quinalphos	3.1E+01	nc	3.1E+02	nc	1.8E+00	nc	1.8E+01	nc		
3.0E+00	i			3.0E+00	r			0.1	91-22-5	Quinoline	1.6E-01	ca	5.7E-01	ca	2.2E-03	ca	2.2E-02	ca		
1.1E-01	i	3.0E-03	i	1.1E-01	r	3.0E-03	r	0.1	121-82-4	RDX (Cyclonite)	4.4E+00	ca*	1.6E+01	ca	6.1E-02	ca	6.1E-01	ca		
		3.0E-02	i			3.0E-02	r	0.1	10453-86-8	Resmethrin	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
		5.0E-02	h			5.0E-02	r	0.1	299-84-3	Ronnel	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		4.0E-03	i			4.0E-03	r	0.1	83-79-4	Rotenone	2.4E+02	nc	2.5E+03	nc	1.5E+01	nc	1.5E+02	nc		
		2.5E-02	i			2.5E-02	r	0.1	78587-05-0	Savey	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
		5.0E-03	i					0.1	7783-00-8	Selenious Acid	3.1E+02	nc	3.1E+03	nc			1.8E+02	nc		
		5.0E-03	i						7782-49-2	Selenium	3.9E+02	nc	5.1E+03	nc			1.8E+02	nc	5.0E+00	3.0E-01
		5.0E-03	h					0.1	630-10-4	Selenourea	3.1E+02	nc	3.1E+03	nc			1.8E+02	nc		
		9.0E-02	i			9.0E-02	r	0.1	74051-80-2	Sethoxydim	5.5E+03	nc	5.5E+04	nc	3.3E+02	nc	3.3E+03	nc		
		5.0E-03	i						7440-22-4	Silver and compounds	3.9E+02	nc	5.1E+03	nc			1.8E+02	nc	3.4E+01	2.0E+00
1.2E-01	h	5.0E-03	i	1.2E-01	r	5.00E-03	r	0.1	122-34-9	Simazine	4.1E+00	ca*	1.4E+01	ca	5.6E-02	ca	5.6E-01	ca		
		4.0E-03	i						26628-22-8	Sodium azide										
2.7E-01	h	3.0E-02	i	2.7E-01	r	3.0E-02	r	0.1	148-18-5	Sodium diethyldithiocarbamate	1.8E+00	ca	6.4E+00	ca	2.5E-02	ca	2.5E-01	ca		
		2.0E-05	i			2.0E-05	r	0.1	62-74-8	Sodium fluoroacetate	1.2E+00	nc	1.2E+01	nc	7.3E-02	nc	7.3E-01	nc		
		1.0E-03	h			1.0E-03	r	0.1	13718-26-8	Sodium metavanadate	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		6.0E-01	i						7440-24-6	Strontium, stable	4.7E+04	nc	1.0E+05	max			2.2E+04	nc		
		3.0E-04	i			3.0E-04	r	0.1	57-24-9	Strychnine	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc		
		2.0E-01	i			2.9E-01	i	y	100-42-5	Styrene	1.7E+03	sat	1.7E+03	sat	1.1E+03	nc	1.6E+03	nc	4.0E+00	2.0E-01
		5.0E-03	p			5.0E-03	r		80-07-9	**1,1'-Sulfonylbis (4-chlorobenzene)**	3.9E+02	nc	5.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		2.5E-02	i			2.5E-02	r	0.1	88671-89-0	Systhane	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
1.5E+05	h			1.5E+05	h			0.03	1746-01-6	2,3,7,8-TCDD (dioxin)	3.9E-06	ca	1.6E-05	ca	4.5E-08	ca	4.5E-07	ca		
		7.0E-02	i			7.0E-02	r	0.1	34014-18-1	Tebuthiuron	4.3E+03	nc	4.3E+04	nc	2.6E+02	nc	2.6E+03	nc		
		2.0E-02	h			2.0E-02	r	0.1	3383-96-8	Temephos	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		1.3E-02	i			1.3E-02	r	0.1	5902-51-2	Terbacil	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
		2.5E-05	h			2.5E-05	r	0.1	13071-79-9	Terbufos	1.5E+00	nc	1.5E+01	nc	9.1E-02	nc	9.1E-01	nc		
		1.0E-03	i			1.0E-03	r	0.1	886-50-0	Terbutryn	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		3.0E-04	i			3.0E-04	r	0.1	95-94-3	1,2,4,5-Tetrachlorobenzene	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc		
2.6E-02	i	3.0E-02	i	2.6E-02	i	3.0E-02	r	y	630-20-6	1,1,1,2-Tetrachloroethane	3.2E+00	ca	7.3E+00	ca	2.6E-01	ca	4.3E-01	ca		
2.0E-01	i	6.0E-02	p	2.0E-01	i	6.0E-02	r	y	79-34-5	1,1,2,2-Tetrachloroethane	4.1E-01	ca	9.3E-01	ca	3.3E-02	ca	5.5E-02	ca	3.0E-03	2.0E-04
5.4E-01	c	1.0E-02	i	2.1E-02	c	1.0E-02	c	y	127-18-4	**Tetrachloroethylene (PCE)**	4.8E-01	ca*	1.3E+00	ca	3.2E-01	ca	1.0E-01	ca	6.0E-02	3.0E-03
		3.0E-02	i			3.0E-02	r	0.1	58-90-2	2,3,4,6-Tetrachlorophenol	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
2.0E+01	h			2.0E+01	r			0.1	5216-25-1	p,a,a,a-Tetrachlorotoluene	2.4E-02	ca	8.6E-02	ca	3.4E-04	ca	3.4E-03	ca		
2.4E-02	h	3.0E-02	i	2.4E-02	r	3.0E-02	r	0.1	961-11-5	Tetrachlorovinphos	2.0E+01	ca*	7.2E+01	ca	2.8E-01	ca	2.8E+00	ca		
		5.0E-04	i			5.0E-04	r	0.1	3689-24-5	Tetraethyldithiopyrophosphate	3.1E+01	nc	3.1E+02	nc	1.8E+00	nc	1.8E+01	nc		
7.6E-03	n	2.1E-01	n	6.8E-03	n	8.6E-02	n	y	109-99-9	Tetrahydrofuran	9.4E+00	ca	2.1E+01	ca	9.9E-01	ca	1.6E+00	ca		
		6.6E-05	i						7440-28-0	Thallium and compounds+++	5.2E+00	nc	6.7E+01	nc			2.4E+00	nc		
		1.0E-02	i			1.0E-02	r	0.1	28249-77-6	Thiobencarb	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		5.0E-02	n			5.0E-02	r	0.1	N/A	Thiocyanate	3.1E+03	nc	1.0E+05	max	1.8E+02	nc	1.8E+03	nc		
		3.0E-04	h			3.0E-04	r	0.1	39196-18-4	Thiofanox	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc		

Key : SFo,i=Cancer Slope Factor oral, inhalation RfDo,i=Reference Dose oral, inhalation i=IRIS p=PPRTV c=California EPA n=NCEA h=HEAST x=Withdrawn r=Route-extrapolation ca=Cancer PRG nc= Noncancer PRG ca* (where: nc PRG < 100X ca PRG)
ca** (where nc PRG < 10X ca PRG) +++=Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES								CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)	V O C / skin abs. / soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		8.0E-02	i			8.0E-02	r 0.1	23564-05-8	Thiophanate-methyl	4.9E+03	nc	4.9E+04	nc	2.9E+02	nc	2.9E+03	nc		
		5.0E-03	i			5.0E-03	r 0.1	137-26-8	Thiram	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		6.0E-01	h					7440-31-5	Tin (inorganic, also see tributyltin oxide)	4.7E+04	nc	1.0E+05	max			2.2E+04	nc		
		4.0E+00	n			8.6E-03	n	7440-32-6	Titanium	1.0E+05	max	1.0E+05	max	3.1E+01	nc	1.5E+05	nc		
		2.0E-01	i			1.1E-01	i y	108-88-3	Toluene	5.2E+02	sat	5.2E+02	sat	4.0E+02	nc	7.2E+02	nc	1.2E+01	6.0E-01
3.2E+00	h			3.2E+00	r		0.1	95-80-7	Toluene-2,4-diamine	1.5E-01	ca	5.4E-01	ca	2.1E-03	ca	2.1E-02	ca		
		6.0E-01	h			6.0E-01	r 0.1	95-70-5	Toluene-2,5-diamine	3.7E+04	nc	1.0E+05	max	2.2E+03	nc	2.2E+04	nc		
		2.0E-01	h			2.0E-01	r 0.1	823-40-5	Toluene-2,6-diamine	1.2E+04	nc	1.0E+05	max	7.3E+02	nc	7.3E+03	nc		
1.9E-01	i			1.9E-01	r		0.1	106-49-0	p-Toluidine	2.6E+00	ca	9.1E+00	ca	3.5E-02	ca	3.5E-01	ca		
1.1E+00	i			1.1E+00	i		0.1	8001-35-2	Toxaphene	4.4E-01	ca	1.6E+00	ca	6.0E-03	ca	6.1E-02	ca	3.1E+01	2.0E+00
		7.5E-03	i			7.5E-03	r 0.1	66841-25-6	Tralomethrin	4.6E+02	nc	4.6E+03	nc	2.7E+01	nc	2.7E+02	nc		
		1.3E-02	i			1.3E-02	r 0.1	2303-17-5	Triallate	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
		1.0E-02	i			1.0E-02	r 0.1	82097-50-5	Triasulfuron	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		5.0E-03	i			5.0E-03	r 0.1	615-54-3	1,2,4-Tribromobenzene	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
9.2E-03	p	2.0E-01	p	9.2E-03	r	2.0E-01	r 0.1	126-73-8	**Tributyl phosphate**	5.3E+01	ca	1.9E+02	ca	7.3E-01	ca	7.3E+00	ca		
		3.0E-04	i				0.1	56-35-9	Tributyltin oxide (TBTO)	1.8E+01	nc	1.8E+02	nc			1.1E+01	nc		
3.4E-02	h			3.4E-02	r		0.1	634-93-5	2,4,6-Trichloroaniline	1.4E+01	ca	5.1E+01	ca	2.0E-01	ca	2.0E+00	ca		
2.9E-02	h			2.9E-02	r		0.1	33663-50-2	2,4,6-Trichloroaniline hydrochloride	1.7E+01	ca	5.9E+01	ca	2.3E-01	ca	2.3E+00	ca		
		1.0E-02	i			1.0E-03	p y	120-82-1	**1,2,4-Trichlorobenzene**	6.2E+01	nc	2.2E+02	nc	3.7E+00	nc	7.2E+00	nc	5.0E+00	3.0E-01
		2.8E-01	n			6.3E-01	p y	71-55-6	1,1,1-Trichloroethane	1.2E+03	sat	1.2E+03	sat	2.3E+03	nc	3.2E+03	nc	2.0E+00	1.0E-01
5.7E-02	i	4.0E-03	i	5.6E-02	i	4.0E-03	r y	79-00-5	1,1,2-Trichloroethane	7.3E-01	ca*	1.6E+00	ca*	1.2E-01	ca	2.0E-01	ca	2.0E-02	9.0E-04
4.0E-01	n	3.0E-04	n	4.0E-01	n	1.0E-02	n y	79-01-6	Trichloroethylene (TCE)	5.3E-02	ca	1.1E-01	ca	1.7E-02	ca	2.8E-02	ca	6.0E-02	3.0E-03
1.3E-02	c			7.0E-03	c	1.7E-01	c y	79-01-6	**"CAL-Modified PRG"**	2.9E+00	ca	6.5E+00	ca	9.6E-01	ca	1.4E+00	ca		
		3.0E-01	i			2.0E-01	h y	75-69-4	Trichlorofluoromethane	3.9E+02	nc	2.0E+03	sat	7.3E+02	nc	1.3E+03	nc		
		1.0E-01	i			1.0E-01	r 0.1	95-95-4	2,4,5-Trichlorophenol	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc	2.7E+02	1.4E+01
1.1E-02	i	1.0E-04	n	1.1E-02	i	1.0E-04	r 0.1	88-06-2	2,4,6-Trichlorophenol	6.1E+00	nc**	6.2E+01	nc**	3.7E-01	nc**	3.6E+00	nc**	2.0E-01	8.0E-03
7.0E-02	c			7.0E-02	c		0.1	88-06-2	"CAL-Modified PRG"	6.9E+00	ca	2.5E+01	ca	9.6E-02	ca	9.6E-01	ca		
		1.0E-02	i			1.0E-02	r 0.1	93-76-5	2,4,5-Trichlorophenoxyacetic Acid	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		8.0E-03	i			8.0E-03	r 0.1	93-72-1	2-(2,4,5-Trichlorophenoxy) propionic acid	4.9E+02	nc	4.9E+03	nc	2.9E+01	nc	2.9E+02	nc		
		5.0E-03	i			5.0E-03	r y	598-77-6	**1,1,2-Trichloropropane**	7.1E+01	nc	2.7E+02	nc	1.8E+01	nc	3.0E+01	nc		
2.0E+00	n	6.0E-03	i	2.0E+00	r	1.4E-03	n y	96-18-4	**1,2,3-Trichloropropane**	3.4E-02	ca	7.6E-02	ca	3.4E-03	ca	5.6E-03	ca		
		1.0E-02	p			3.0E-04	p y	96-19-5	**1,2,3-Trichloropropene**	5.2E+00	nc	1.7E+01	nc	1.1E+00	nc	2.2E+00	nc		
		3.0E-03	i			3.0E-03	r 0.1	58138-08-2	Tridiphane	1.8E+02	nc	1.8E+03	nc	1.1E+01	nc	1.1E+02	nc		
		2.0E-03	r			2.0E-03	i y	121-44-8	Triethylamine	2.3E+01	nc	8.6E+01	nc	7.3E+00	nc	1.2E+01	nc		
7.7E-03	i	7.5E-03	i	7.7E-03	r	7.5E-03	r 0.1	1582-09-8	Trifluralin	6.3E+01	ca**	2.2E+02	ca*	8.7E-01	ca*	8.7E+00	ca*		
		1.4E-04	r			1.4E-04	n 0.1	552-30-7	Trimellitic Anhydride (TMAN)	8.6E+00	nc	8.6E+01	nc	5.1E-01	nc	5.1E+00			
		5.0E-02	p			1.7E-03	p y	95-63-6	1,2,4-Trimethylbenzene	5.2E+01	nc	1.7E+02	nc	6.2E+00	nc	1.2E+01	nc		
		5.0E-02	p			1.7E-03	p y	108-67-8	1,3,5-Trimethylbenzene	2.1E+01	nc	7.0E+01	nc	6.2E+00	nc	1.2E+01	nc		
3.7E-02	h			3.7E-02	r		0.1	512-56-1	Trimethyl phosphate	1.3E+01	ca	4.7E+01	ca	1.8E-01	ca	1.8E+00	ca		
		3.0E-02	i			3.0E-02	r 0.1	99-35-4	1,3,5-Trinitrobenzene	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
		1.0E-02	h			1.0E-02	r 0.1	479-45-8	Trinitrophenylmethylnitramine	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
3.0E-02	i	5.0E-04	i	3.0E-02	r	5.0E-04	r 0.1	118-96-7	2,4,6-Trinitrotoluene	1.6E+01	ca**	5.7E+01	ca**	2.2E-01	ca**	2.2E+00	ca**		

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TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)	V O C	skin abs. soils	CAS No.	Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		2.0E-02	p			2.0E-02	r	0.1	791-28-6	**Triphenylphosphine oxide**	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
1.4E-02	p	3.1E-01	p	1.4E-02	r	3.1E-01	r	0.1	115-96-8	**Tris(2-chloroethyl) phosphate**	3.5E+01	ca	1.2E+02	ca	4.8E-01	ca	4.8E+00	ca		
3.2E-03	p	1.0E-01	p	3.2E-03	r	1.0E-01	r	0.1	78-42-2	**Tris(2-ethylhexyl) phosphate**	1.5E+02	ca*	5.4E+02	ca	2.1E+00	ca	2.1E+01	ca		
		2.0E-04	n						7440-61-1	Uranium (chemical toxicity only)	1.6E+01	nc	2.0E+02	nc			7.3E+00	nc		
		1.0E-03	n						7440-62-2	Vanadium and compounds	7.8E+01	nc	1.0E+03	nc			3.6E+01	nc	6.0E+03	3.0E+02
		1.0E-03	i			1.0E-03	r	0.1	1929-77-7	Vernam	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		2.5E-02	i			2.5E-02	r	0.1	50471-44-8	Vinclozolin	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
		1.0E+00	h			5.7E-02	i	y	108-05-4	Vinyl acetate	4.3E+02	nc	1.4E+03	nc	2.1E+02	nc	4.1E+02	nc	1.7E+02	8.0E+00
1.1E-01	r	8.6E-04	r	1.1E-01	h	8.6E-04	i	y	593-60-2	Vinyl bromide (bromoethene)	1.9E-01	ca*	4.2E-01	ca*	6.1E-02	ca*	1.0E-01	ca*		
1.5E+00	i	3.0E-03	i	3.1E-02	i	2.9E-02	i	y	75-01-4	Vinyl chloride (child/adult)+++	7.9E-02	ca			1.1E-01	ca	2.0E-02	ca	1.0E-02	7.0E-04
7.5E-01	i	3.0E-03	i	1.6E-02	i	2.9E-02	i	y	75-01-4	Vinyl chloride (adult)			7.5E-01	ca						
		3.0E-04	i			3.0E-04	r	0.1	81-81-2	Warfarin	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc		
		2.0E-01	i			2.9E-02	i	y	0.1 1330-20-7	**Xylenes**	2.7E+02	nc	4.2E+02	sat	1.1E+02	nc	2.1E+02	nc	2.1E+02	1.0E+01
		3.0E-01	i						7440-66-6	Zinc	2.3E+04	nc	1.0E+05	max			1.1E+04	nc	1.2E+04	6.2E+02
		3.0E-04	i						1314-84-7	Zinc phosphide	2.3E+01	nc	3.1E+02	nc			1.1E+01	nc		
		5.0E-02	i			5.0E-02	r	0.1	12122-67-7	Zineb	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		

MAXIMUM CONTAMINANT LEVELS AND REGULATION DATES FOR DRINKING WATER COMTAMINANTS U.S. EPA vs. CDHS (2006)

MAXIMUM CONTAMINANT LEVELS AND REGULATION DATES FOR DRINKING WATER CONTAMINANTS USEPA VS CDHS

AUGUST 2006

Contaminant	USEPA MCL (mg/L)	USEPA Date[a]	CDHS MCL (mg/L)	CDHS Effective Date
Inorganics				
Aluminum	0.05 to 2[b]	1/91	1 0.2[b]	2/25/89 9/8/94
Antimony	0.006	7/92	0.006	9/8/94
Arsenic	0.05 0.01	eff: 6/24/77 2001	0.05	77
Asbestos	7 MFL[c]	1/91	7 MFL[c]	9/8/94
Barium	1 2	eff: 6/24/77 1/91	1	77
Beryllium	0.004	7/92	0.004	9/8/94
Cadmium	0.010 0.005	eff: 6/24/77 1/91	0.010 0.005	77 9/8/94
Chromium	0.05 0.1	eff: 6/24/77 1/91	0.05	77
Copper	1.3[d]	6/91	1[b] 1.3[d]	77 12/11/95
Cyanide	0.2	7/92	0.2 0.15	9/8/94 6/12/03
Fluoride	4 2[b]	4/86 4/86	2	4/98
Lead	0.05[e] 0.015[d]	eff: 6/24/77 6/91	0.05[e] 0.015[d]	77 12/11/95
Mercury	0.002	eff: 6/24/77	0.002	77
Nickel	Remanded		0.1	9/8/94
Nitrate	(as N) 10	eff: 6/24/77	(as N03) 45	77
Nitrite (as N)	1	1/91	1	9/8/94
Total Nitrate/Nitrite (as N)	10	1/91	10	9/8/94
Selenium	0.01 0.05	eff: 6/24/77 1/91	0.01 0.05	77 9/8/94
Thallium	0.002	7/92	0.002	9/8/94
Radionuclides				
Uranium	30 ug/L	12/7/00	20 pCi/L 20 pCi/L	1/1/89 6/11/06
Combined radium-226 & 228	5 pCi/L	eff: 6/24/77	5 pCi/L 5 pCi/L	77 6/11/06
Gross Alpha particle activity	15 pCi/L	eff: 6/24/77	15 pCi/L 15 pCi/L	77 6/11/06
Gross Beta particle activity	4 millirem/yr	eff: 6/24/77	50 pCi/L[f] 4 millirem/yr	77 6/11/06
Strontium-90	8 pCi/L	eff: 6/24/77 now covered by Gross Beta	8 pCi/L[f] 8 pCi/L[f]	77 6/11/06
Tritium	20,000 pCi/L	eff: 6/24/77 now covered by Gross Beta	20,000 pCi/L[f] 20,000 pCi/L[f]	77 6/11/06

Contaminant	USEPA		CDHS	
	MCL (mg/L)	Date[a]	MCL (mg/L)	Effective Date
VOCS				
Benzene	0.005	6/87	0.001	2/25/89
Carbon Tetrachloride	0.005	6/87	0.0005	4/4/89
1,2-Dichlorobenzene	0.6	1/91	0.6	9/8/94
1,4-Dichlorobenzene	0.075	6/87	0.005	4/4/89
1,1-Dichloroethane	-	-	0.005	6/24/90
1,2-Dichloroethane	0.005	6/87	0.0005	4/4/89
1,1-Dichloroethylene	0.007	6/87	0.006	2/25/89
cis-1,2-Dichloroethylene	0.07	1/91	0.006	9/8/94
trans-1,2-Dichloroethylene	0.1	1/91	0.01	9/8/94
Dichloromethane	0.005	7/92	0.005	9/8/94
1,3-Dichloropropene	-	-	0.0005	2/25/89
1,2-Dichloropropane	0.005	1/91	0.005	6/24/90
Ethylbenzene	0.7	1/91	0.68 0.7 0.3	2/25/89 9/8/94 6/12/03
Methyl-tert-butyl ether (MTBE)	-	-	0.005[b] 0.013	1/7/99 5/17/00
Monochlorobenzene	0.1	1/91	0.03 0.07	2/25/89 9/8/94
Styrene	0.1	1/91	0.1	9/8/94
1,1,2,2-Tetrachloroethane	-	-	0.001	2/25/89
Tetrachloroethylene	0.005	1/91	0.005	5/89
Toluene	1	1/91	0.15	9/8/94
1,2,4 Trichlorobenzene	0.07	7/92	0.07 0.005	9/8/94 6/12/03
1,1,1-Trichloroethane	0.200	6/87	0.200	2/25/89
1,1,2-Trichloroethane	0.005	7/92	0.032 0.005	4/4/89 9/8/94
Trichloroethylene	0.005	6/87	0.005	2/25/89
Trichlorofluoromethane	-	-	0.15	6/24/90
1,1,2-Trichloro-1,2,2-Trifluoroethane	-	-	1.2	6/24/90
Vinyl chloride	0.002	6/87	0.0005	4/4/89
Xylenes	10	1/91	1.750	2/25/89

SOCS				
Alachlor	0.002	1/91	0.002	9/8/94
Atrazine	0.003	1/91	0.003	4/5/89
			0.001	6/12/03
Bentazon	-	-	0.018	4/4/89
Benzo(a) Pyrene	0.0002	7/92	0.0002	9/8/94
Carbofuran	0.04	1/91	0.018	6/24/90
Chlordane	0.002	1/91	0.0001	6/24/90
Dalapon	0.2	7/92	0.2	9/8/94
Dibromochloropropane	0.0002	1/91	0.0001	7/26/89
			0.0002	5/3/91
Di(2-ethylhexyl)adipate	0.4	7/92	0.4	9/8/94
Di(2-ethylhexyl)phthalate	0.006	7/92	0.004	6/24/90
2,4-D	0.1	eff: 6/24/77	0.1	77
	0.07	1/91	0.07	9/8/94
Dinoseb	0.007	7/92	0.007	9/8/94
Diquat	0.02	7/92	0.02	9/8/94
Endothall	0.1	7/92	0.1	9/8/94
Endrin	0.0002	eff: 6/24/77	0.0002	77
	0.002	7/92	0.002	9/8/94
Ethylene Dibromide	0.00005	1/91	0.00002	2/25/89
			0.00005	9/8/94
Glyphosate	0.7	7/92	0.7	6/24/90
Heptachlor	0.0004	1/91	0.00001	6/24/90
Heptachlor Epoxide	0.0002	1/91	0.00001	6/24/90
Hexachlorobenzene	0.001	7/92	0.001	9/8/94
Hexachlorocyclopentadiene	0.05	7/92	0.05	9/8/94
Lindane	0.004	eff: 6/24/77	0.004	77
	0.0002	1/91	0.0002	9/8/94
Methoxychlor	0.1	eff: 6/24/77	0.1	77
	0.04	1/91	0.04	9/8/94
			0.03	6/12/03
Molinate	-	-	0.02	4/4/89
Oxamyl	0.2	7/92	0.2	9/8/94
			0.05	6/12/03
Pentachlorophenol	0.001	1/91	0.001	9/8/94
Picloram	0.5	7/92	0.5	9/8/94
Polychlorinated Biphenyls	0.0005	1/91	0.0005	9/8/94
Simazine	0.004	7/92	0.010	4/4/89
			0.004	9/8/94
Thiobencarb	-	-	0.07	4/4/89
			0.001[b]	4/4/89
Toxaphene	0.005	eff: 6/24/77	0.005	77
	0.003	1/91	0.003	9/8/94
2,3,7,8-TCDD (Dioxin)	$3x10^{-8}$	7/92	$3x10^{-8}$	9/8/94
2,4,5-TP (Silvex)	0.01	eff: 6/24/77	0.01	77
	0.05	1/91	0.05	9/8/94

Disinfection Byproducts				
Total trihalomethanes	0.100 0.080	11/29/79 eff: 11/29/83 eff: 1/1/02 [g]	0.100 0.080	3/14/83 6/17/06
Haloacetic acids (five)	0.060	eff: 1/1/02 [g]	0.060	6/17/06
Bromate	0.010	eff: 1/1/02 [g]	0.010	6/17/06
Chlorite	1.0	eff: 1/1/02 [g]	1.0	6/17/06
Treatment Technique				
Acrylamide	TT[h]	1/91	TT[h]	9/8/94
Epichlorohydrin	TT[h]	1/91	TT[h]	9/8/94

a. "eff." indicates the date the MCL took effect; any other date provided indicates when USEPA established (i.e., published) the MCL.
b. Secondary MCL.
c. MFL = million fibers per liter, with fiber length > 10 microns.
d. Regulatory Action Level; if system exceeds, it must take certain actions such as additional monitoring, corrosion control studies and treatment, and for lead, a public education program; replaces MCL.
e. The MCL for lead was rescinded with the adoption of the regulatory action level described in footnote d.
f. Gross beta MCL is 4 millirem/year annual dose equivalent to the total body or any internal organ; Sr-90 MCL = 4 mrem/yr to bone marrow; tritium MCL = 4 mrem/yr to total body
g. Effective for surface water systems serving more than 10,000 people; effective for all others 1/1/04.
h. TT = treatment technique, because an MCL is not feasible.

RWQCB
ENVIRONMENTAL
SCREENING LEVELS (2005)

TABLE A: SHALLOW SOIL (≤3M BGS) - WATER IS A CURRENT OR POTENTIAL SOURCE OF DRINKING WATER

Notes:

- Always compare final soil data for commercial/industrial sites to residential ESLs and evaluate need for formal land-use restrictions (see Section 2.10).

TABLE A. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Shallow Soils (≤3m bgs)
Groundwater IS Current or Potential Source of Drinking Water

	[1]Shallow Soil		
CHEMICAL PARAMETER	[2]Residential Land Use (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	[3]Groundwater (ug/L)
ACENAPHTHENE	1.6E+01	1.6E+01	2.0E+01
ACENAPHTHYLENE	1.3E+01	1.3E+01	3.0E+01
ACETONE	5.0E-01	5.0E-01	1.5E+03
ALDRIN	3.2E-02	1.3E-01	2.0E-03
ANTHRACENE	2.8E+00	2.8E+00	7.3E-01
ANTIMONY	6.1E+00	4.0E+01	6.0E+00
ARSENIC	5.5E+00	5.5E+00	3.6E+01
BARIUM	7.5E+02	1.5E+03	1.0E+03
BENZENE	4.4E-02	4.4E-02	1.0E+00
BENZO(a)ANTHRACENE	3.8E-01	1.3E+00	2.7E-02
BENZO(b)FLUORANTHENE	3.8E-01	1.3E+00	2.9E-02
BENZO(k)FLUORANTHENE	3.8E-01	1.3E+00	2.9E-02
BENZO(g,h,i)PERYLENE	2.7E+01	2.7E+01	1.0E-01
BENZO(a)PYRENE	3.8E-02	1.3E-01	1.4E-02
BERYLLIUM	4.0E+00	8.0E+00	2.7E+00
BIPHENYL, 1,1-	6.5E-01	6.5E-01	5.0E-01
BIS(2-CHLOROETHYL)ETHER	1.8E-04	1.8E-04	1.4E-02
BIS(2-CHLOROISOPROPYL)ETHER	5.4E-03	5.4E-03	5.0E-01
BIS(2-ETHYLHEXYL)PHTHALATE	6.6E+01	6.6E+01	4.0E+00
BORON	1.6E+00	2.0E+00	1.6E+00
BROMODICHLOROMETHANE	1.4E-02	3.9E-02	1.0E+02
BROMOFORM	2.2E+00	2.2E+00	1.0E+02
BROMOMETHANE	2.2E-01	3.9E-01	9.8E+00
CADMIUM	1.7E+00	7.4E+00	1.1E+00
CARBON TETRACHLORIDE	1.2E-02	3.4E-02	5.0E-01
CHLORDANE	4.4E-01	1.7E+00	4.0E-03
CHLOROANILINE, p-	5.3E-02	5.3E-02	5.0E+00
CHLOROBENZENE	1.5E+00	1.5E+00	2.5E+01
CHLOROETHANE	6.3E-01	8.5E-01	1.2E+01
CHLOROFORM	8.8E-01	1.9E+00	7.0E+01
CHLOROMETHANE	7.0E-02	2.0E-01	1.3E+00
CHLOROPHENOL, 2-	1.2E-02	1.2E-02	1.8E-01
CHROMIUM (Total)	5.8E+01	5.8E+01	5.0E+01
CHROMIUM III	7.5E+02	7.5E+02	1.8E+02
CHROMIUM VI	1.8E+00	1.8E+00	1.1E+01
CHRYSENE	3.8E+00	1.3E+01	2.9E-01
COBALT	1.0E+01	1.0E+01	3.0E+00
COPPER	2.3E+02	2.3E+02	3.1E+00
CYANIDE (Free)	3.6E-03	3.6E-03	1.0E+00
DIBENZO(a,h)ANTHTRACENE	1.1E-01	3.8E-01	8.5E-03
DIBROMOCHLOROMETHANE	1.9E-02	5.4E-02	1.0E+02
1,2-DIBROMO-3-CHLOROPROPANE	4.5E-03	4.5E-03	2.0E-01
DIBROMOETHANE, 1,2-	3.3E-04	3.3E-04	5.0E-02
DICHLOROBENZENE, 1,2-	1.1E+00	1.1E+00	1.0E+01

TABLE A. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Shallow Soils (≤3m bgs)
Groundwater IS Current or Potential Source of Drinking Water

	[1]Shallow Soil		
CHEMICAL PARAMETER	[2]Residential Land Use (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	[3]Groundwater (ug/L)
DICHLOROBENZENE, 1,3-	7.4E+00	7.4E+00	6.5E+01
DICHLOROBENZENE, 1,4-	4.6E-02	1.3E-01	5.0E+00
DICHLOROBENZIDINE, 3,3-	7.7E-03	7.7E-03	2.9E-02
DICHLORODIPHENYLDICHLOROETHANE (DDD)	2.3E+00	9.0E+00	1.0E-03
DICHLORODIPHENYLDICHLOROETHYLENE (DDE)	1.6E+00	4.0E+00	1.0E-03
DICHLORODIPHENYLTRICHLOROETHANE (DDT)	1.6E+00	4.0E+00	1.0E-03
DICHLOROETHANE, 1,1-	2.0E-01	2.0E-01	5.0E+00
DICHLOROETHANE, 1,2-	4.5E-03	4.5E-03	5.0E-01
DICHLOROETHYLENE, 1,1-	1.0E+00	1.0E+00	6.0E+00
DICHLOROETHYLENE, Cis 1,2-	1.9E-01	1.9E-01	6.0E+00
DICHLOROETHYLENE, Trans 1,2-	6.7E-01	6.7E-01	1.0E+01
DICHLOROPHENOL, 2,4-	3.0E-01	3.0E-01	3.0E-01
DICHLOROPROPANE, 1,2-	5.1E-02	1.2E-01	5.0E+00
DICHLOROPROPENE, 1,3-	3.3E-02	5.9E-02	5.0E-01
DIELDRIN	2.3E-03	2.3E-03	1.9E-03
DIETHYLPHTHALATE	3.5E-02	3.5E-02	1.5E+00
DIMETHYLPHTHALATE	3.5E-02	3.5E-02	1.5E+00
DIMETHYLPHENOL, 2,4-	6.7E-01	6.7E-01	1.0E+02
DINITROPHENOL, 2,4-	4.0E-02	4.0E-02	1.4E+01
DINITROTOLUENE, 2,4-	8.5E-04	8.5E-04	1.1E-01
1,4 DIOXANE	1.8E-03	1.8E-03	3.0E+00
DIOXIN (2,3,7,8-TCDD)	4.6E-06	1.9E-05	5.0E-06
ENDOSULFAN	4.6E-03	4.6E-03	8.7E-03
ENDRIN	6.5E-04	6.5E-04	2.3E-03
ETHANOL	4.5E+01	4.5E+01	5.0E+04
ETHYLBENZENE	3.3E+00	3.3E+00	3.0E+01
FLUORANTHENE	4.0E+01	4.0E+01	8.0E+00
FLUORENE	8.9E+00	8.9E+00	3.9E+00
HEPTACHLOR	1.4E-02	1.4E-02	3.8E-03
HEPTACHLOR EPOXIDE	1.5E-02	1.5E-02	3.8E-03
HEXACHLOROBENZENE	2.7E-01	9.6E-01	1.0E+00
HEXACHLOROBUTADIENE	1.0E+00	1.0E+00	2.1E-01
HEXACHLOROCYCLOHEXANE (gamma) LINDANE	4.9E-02	4.9E-02	8.0E-02
HEXACHLOROETHANE	2.4E+00	2.4E+00	7.0E-01
INDENO(1,2,3-cd)PYRENE	3.8E-01	1.3E+00	2.9E-02
LEAD	1.5E+02	7.5E+02	2.5E+00
MERCURY	3.7E+00	1.0E+01	1.2E-02
METHOXYCHLOR	1.9E+01	1.9E+01	1.9E-02
METHYLENE CHLORIDE	7.7E-02	7.7E-02	5.0E+00
METHYL ETHYL KETONE	3.9E+00	3.9E+00	4.2E+03
METHYL ISOBUTYL KETONE	2.8E+00	2.8E+00	1.2E+02
METHYL MERCURY	1.2E+00	1.0E+01	3.0E-03
METHYLNAPHTHALENE (total 1- & 2-)	2.5E-01	2.5E-01	2.1E+00
METHYL TERT BUTYL ETHER	2.3E-02	2.3E-02	5.0E+00

TABLE A. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Shallow Soils (≤3m bgs)
Groundwater IS Current or Potential Source of Drinking Water

	[1]Shallow Soil		
CHEMICAL PARAMETER	**[2]Residential Land Use (mg/kg)**	**Commercial/ Industrial Land Use Only (mg/kg)**	**[3]Groundwater (ug/L)**
MOLYBDENUM	4.0E+01	4.0E+01	3.5E+01
NAPHTHALENE	4.6E-01	1.5E+00	1.7E+01
NICKEL	1.5E+02	1.5E+02	8.2E+00
PENTACHLOROPHENOL	4.4E+00	5.0E+00	1.0E+00
PERCHLORATE	1.0E-02	1.0E-02	6.0E+00
PHENANTHRENE	1.1E+01	1.1E+01	4.6E+00
PHENOL	7.6E-02	7.6E-02	5.0E+00
POLYCHLORINATED BIPHENYLS (PCBs)	2.2E-01	7.4E-01	1.4E-02
PYRENE	8.5E+01	8.5E+01	2.0E+00
SELENIUM	1.0E+01	1.0E+01	5.0E+00
SILVER	2.0E+01	4.0E+01	1.9E-01
STYRENE	1.5E+00	1.5E+00	1.0E+01
tert-BUTYL ALCOHOL	7.3E-02	7.3E-02	1.2E+01
TETRACHLOROETHANE, 1,1,1,2-	2.4E-02	2.4E-02	1.3E+00
TETRACHLOROETHANE, 1,1,2,2-	9.1E-03	1.8E-02	1.0E+00
TETRACHLOROETHYLENE	8.7E-02	2.4E-01	5.0E+00
THALLIUM	1.0E+00	1.3E+01	2.0E+00
TOLUENE	2.9E+00	2.9E+00	4.0E+01
TOXAPHENE	4.2E-04	4.2E-04	2.0E-04
TPH (gasolines)	1.0E+02	1.0E+02	1.0E+02
TPH (middle distillates)	1.0E+02	1.0E+02	1.0E+02
TPH (residual fuels)	5.0E+02	1.0E+03	1.0E+02
TRICHLOROBENZENE, 1,2,4-	3.8E-01	1.0E+00	2.5E+01
TRICHLOROETHANE, 1,1,1-	7.8E+00	7.8E+00	6.2E+01
TRICHLOROETHANE, 1,1,2-	3.2E-02	7.0E-02	5.0E+00
TRICHLOROETHYLENE	2.6E-01	4.6E-01	5.0E+00
TRICHLOROPHENOL, 2,4,5-	1.8E-01	1.8E-01	1.1E+01
TRICHLOROPHENOL, 2,4,6-	1.7E-01	1.7E-01	5.0E-01
VANADIUM	1.1E+02	2.0E+02	1.5E+01
VINYL CHLORIDE	6.7E-03	1.9E-02	5.0E-01
XYLENES	2.3E+00	2.3E+00	2.0E+01
ZINC	6.0E+02	6.0E+02	8.1E+01

TABLE A. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Shallow Soils (≤3m bgs)
Groundwater IS Current or Potential Source of Drinking Water

	[1]Shallow Soil		
CHEMICAL PARAMETER	**[2]Residential Land Use (mg/kg)**	**Commercial/ Industrial Land Use Only (mg/kg)**	**[3]Groundwater (ug/L)**
Electrical Conductivity (mS/cm, USEPA Method 120.1 MOD)	2.0	4.0	not applicable
Sodium Adsorption Ratio	5.0	12	not applicable

Red: Updated with respect to ESLs presented in July 2003 document.

Notes:

1. Shallow soils defined as soils less than or equal to 3 meters (approximately 10 feet) below ground surface.
2. Category "Residential Land Use" generally considered adequate for other sensitive uses (e.g., day-care centers, hospitals, etc.)
3. Assumes potential discharge of groundwater into a freshwater, marine or estuary surface water system.

Source of soil ESLs: Refer to Appendix 1, Tables A-1 and A-2.

Source of groundwater ESLs: Refer to Appendix 1, Table F-1a.

Soil data should be reported on dry-weight basis (see Appendix 1, Section 6.2).

Soil ESLs intended to address direct-exposure, groundwater protection, ecologic (urban areas) and nuisance concerns under noted land-use scenarios. **Soil gas data should be collected for additional evaluation of potential indoor-air impacts at sites with significant areas of VOC-impacted soil. See Section 2.6 and Table E.**

Groundwater ESLs intended to be address drinking water, surface water, indoor-air and nuisance concerns. **Use in conjunction with soil gas screening levels to more closely evaluate potential impacts to indoor-air if groundwater screening levels for this concern approached or exceeded (refer to Section 2.6 and Appendix 1, Table F-1a).**

Aquatic habitat goals for bioaccumulation concerns not considered in selection of groundwater goals (refer to Section 2.7).

Refer to appendices for summary of ESL components.

Soil and water ESLs for ethanol based on gross contamination concerns (see Appendix 1, Chapter 5 and related tables).

TPH -Total Petroleum Hydrocarbons. TPH ESLs must be used in conjunction with ESLs for related chemicals (e.g., BTEX, PAHs, oxidizers, etc.). See Volume 1, Section 2.2 and Appendix 1, Chapter 5.

TABLE B: SHALLOW SOIL (≤3M BGS) - WATER IS NOT A CURRENT OR POTENTIAL SOURCE OF DRINKING WATER

Notes:

- Always compare final soil data for commercial/industrial sites to residential ESLs and evaluate need for formal land-use restrictions (see Section 2.10).
- Assumption that groundwater is not a current or potential source of drinking water should be approved by overseeing regulatory agency prior to use of this table (see Section 2.4).

TABLE B. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Shallow Soils (≤3m bgs)
Groundwater IS NOT a Current or Potential Source of Drinking Water

	[1]Shallow Soil		
CHEMICAL PARAMETER	[2]Residential Land Use (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	[3]Groundwater (ug/L)
ACENAPHTHENE	1.9E+01	1.9E+01	2.3E+01
ACENAPHTHYLENE	1.3E+01	1.3E+01	3.0E+01
ACETONE	5.0E-01	5.0E-01	1.5E+03
ALDRIN	3.2E-02	1.3E-01	1.3E-01
ANTHRACENE	2.8E+00	2.8E+00	7.3E-01
ANTIMONY	6.1E+00	4.0E+01	3.0E+01
ARSENIC	5.5E+00	5.5E+00	3.6E+01
BARIUM	7.5E+02	1.5E+03	1.0E+03
BENZENE	1.8E-01	3.8E-01	4.6E+01
BENZO(a)ANTHRACENE	3.8E-01	1.3E+00	2.7E-02
BENZO(b)FLUORANTHENE	3.8E-01	1.3E+00	2.9E-02
BENZO(k)FLUORANTHENE	3.8E-01	1.3E+00	4.0E-01
BENZO(g,h,i)PERYLENE	2.7E+01	2.7E+01	1.0E-01
BENZO(a)PYRENE	3.8E-02	1.3E-01	1.4E-02
BERYLLIUM	4.0E+00	8.0E+00	2.7E+00
BIPHENYL, 1,1-	6.5E+00	6.5E+00	5.0E+00
BIS(2-CHLOROETHYL)ETHER	3.7E-03	1.2E-02	6.1E+01
BIS(2-CHLOROISOPROPYL)ETHER	6.6E-01	6.6E-01	6.1E+01
BIS(2-ETHYLHEXYL)PHTHALATE	1.6E+02	5.3E+02	3.2E+01
BORON	1.6E+00	2.0E+00	1.6E+00
BROMODICHLOROMETHANE	1.4E-02	3.9E-02	1.7E+02
BROMOFORM	6.1E+01	6.9E+01	3.2E+03
BROMOMETHANE	2.2E-01	5.1E-01	1.6E+02
CADMIUM	1.7E+00	7.4E+00	1.1E+00
CARBON TETRACHLORIDE	1.2E-02	3.4E-02	9.3E+00
CHLORDANE	4.4E-01	1.7E+00	4.0E-03
CHLOROANILINE, p-	5.3E-02	5.3E-02	5.0E+00
CHLOROBENZENE	1.5E+00	1.5E+00	2.5E+01
CHLOROETHANE	6.3E-01	8.5E-01	1.2E+01
CHLOROFORM	8.8E-01	1.9E+00	3.3E+02
CHLOROMETHANE	7.0E-02	2.0E-01	4.1E+01
CHLOROPHENOL, 2-	1.2E-01	1.2E-01	1.8E+00
CHROMIUM (Total)	5.8E+01	5.8E+01	1.8E+02
CHROMIUM III	7.5E+02	7.5E+02	1.8E+02
CHROMIUM VI	1.8E+00	1.8E+00	1.1E+01
CHRYSENE	3.8E+00	1.3E+01	3.5E-01
COBALT	1.0E+01	1.0E+01	3.0E+00
COPPER	2.3E+02	2.3E+02	3.1E+00
CYANIDE (Free)	3.6E-03	3.6E-03	1.0E+00
DIBENZO(a,h)ANTHTRACENE	1.1E-01	3.8E-01	2.5E-01
DIBROMOCHLOROMETHANE	1.9E-02	5.4E-02	1.7E+02
1,2-DIBROMO-3-CHLOROPROPANE	4.5E-03	4.5E-03	2.0E-01
DIBROMOETHANE, 1,2-	7.3E-03	2.0E-02	1.5E+02
DICHLOROBENZENE, 1,2-	1.6E+00	1.6E+00	1.4E+01

TABLE B. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Shallow Soils (≤3m bgs)
Groundwater IS NOT a Current or Potential Source of Drinking Water

	[1]Shallow Soil		
CHEMICAL PARAMETER	[2]Residential Land Use (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	[3]Groundwater (ug/L)
DICHLOROBENZENE, 1,3-	7.4E+00	7.4E+00	6.5E+01
DICHLOROBENZENE, 1,4-	4.6E-02	1.3E-01	1.5E+01
DICHLOROBENZIDINE, 3,3-	4.0E-01	1.4E+00	2.5E+02
DICHLORODIPHENYLDICHLOROETHANE (DDD)	2.3E+00	9.0E+00	1.0E-03
DICHLORODIPHENYLDICHLOROETHYLENE (DDE)	1.6E+00	4.0E+00	1.0E-03
DICHLORODIPHENYLTRICHLOROETHANE (DDT)	1.6E+00	4.0E+00	1.0E-03
DICHLOROETHANE, 1,1-	3.2E-01	8.9E-01	4.7E+01
DICHLOROETHANE, 1,2-	2.5E-02	7.0E-02	2.0E+02
DICHLOROETHYLENE, 1,1-	4.3E+00	4.3E+00	2.5E+01
DICHLOROETHYLENE, Cis 1,2-	1.6E+00	3.6E+00	5.9E+02
DICHLOROETHYLENE, Trans 1,2-	3.1E+00	7.3E+00	5.9E+02
DICHLOROPHENOL, 2,4-	3.0E+00	3.0E+00	3.0E+00
DICHLOROPROPANE, 1,2-	5.1E-02	1.4E-01	1.0E+02
DICHLOROPROPENE, 1,3-	3.3E-02	9.3E-02	5.3E+01
DIELDRIN	2.3E-03	2.3E-03	1.9E-03
DIETHYLPHTHALATE	3.5E-02	3.5E-02	1.5E+00
DIMETHYLPHTHALATE	3.5E-02	3.5E-02	1.5E+00
DIMETHYLPHENOL, 2,4-	7.4E-01	7.4E-01	1.1E+02
DINITROPHENOL, 2,4-	2.1E-01	2.1E-01	7.5E+01
DINITROTOLUENE, 2,4-	8.6E-01	8.6E-01	1.2E+02
1,4 DIOXANE	1.8E+01	3.0E+01	5.0E+04
DIOXIN (2,3,7,8-TCDD)	4.6E-06	1.9E-05	5.0E-06
ENDOSULFAN	4.6E-03	4.6E-03	8.7E-03
ENDRIN	6.5E-04	6.5E-04	2.3E-03
ETHANOL	4.5E+01	4.5E+01	5.0E+04
ETHYLBENZENE	3.2E+01	3.2E+01	2.9E+02
FLUORANTHENE	4.0E+01	4.0E+01	8.0E+00
FLUORENE	8.9E+00	8.9E+00	3.9E+00
HEPTACHLOR	1.4E-02	1.4E-02	3.8E-03
HEPTACHLOR EPOXIDE	1.5E-02	1.5E-02	3.8E-03
HEXACHLOROBENZENE	2.7E-01	9.6E-01	3.7E+00
HEXACHLOROBUTADIENE	3.7E+00	2.2E+01	4.7E+00
HEXACHLOROCYCLOHEXANE (gamma) LINDANE	4.9E-02	4.9E-02	8.0E-02
HEXACHLOROETHANE	1.2E+01	4.1E+01	1.2E+01
INDENO(1,2,3-cd)PYRENE	3.8E-01	1.3E+00	2.9E-02
LEAD	1.5E+02	7.5E+02	2.5E+00
MERCURY	3.7E+00	1.0E+01	1.2E-02
METHOXYCHLOR	1.9E+01	1.9E+01	1.9E-02
METHYLENE CHLORIDE	5.2E-01	1.5E+00	2.2E+03
METHYL ETHYL KETONE	1.3E+01	1.3E+01	1.4E+04
METHYL ISOBUTYL KETONE	3.9E+00	3.9E+00	1.7E+02
METHYL MERCURY	1.2E+00	1.0E+01	3.0E-03
METHYLNAPHTHALENE (total 1- & 2-)	2.5E-01	2.5E-01	2.1E+00
METHYL TERT BUTYL ETHER	2.0E+00	5.6E+00	1.8E+03

TABLE B. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Shallow Soils (≤3m bgs)
Groundwater IS NOT a Current or Potential Source of Drinking Water

	[1]Shallow Soil		
CHEMICAL PARAMETER	[2]Residential Land Use (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	[3]Groundwater (ug/L)
MOLYBDENUM	4.0E+01	4.0E+01	2.4E+02
NAPHTHALENE	4.6E-01	1.5E+00	2.4E+01
NICKEL	1.5E+02	1.5E+02	8.2E+00
PENTACHLOROPHENOL	4.4E+00	5.0E+00	7.9E+00
PERCHLORATE	1.2E+00	1.2E+00	6.0E+02
PHENANTHRENE	1.1E+01	1.1E+01	4.6E+00
PHENOL	1.9E+01	1.9E+01	1.3E+03
POLYCHLORINATED BIPHENYLS (PCBs)	2.2E-01	7.4E-01	1.4E-02
PYRENE	8.5E+01	8.5E+01	2.0E+00
SELENIUM	1.0E+01	1.0E+01	5.0E+00
SILVER	2.0E+01	4.0E+01	1.9E-01
STYRENE	1.5E+01	1.5E+01	1.0E+02
tert-BUTYL ALCOHOL	5.7E+01	1.1E+02	1.8E+04
TETRACHLOROETHANE, 1,1,1,2-	3.0E+00	6.9E+00	9.3E+02
TETRACHLOROETHANE, 1,1,2,2-	9.1E-03	2.5E-02	1.9E+02
TETRACHLOROETHYLENE	8.7E-02	2.4E-01	1.2E+02
THALLIUM	1.0E+00	1.3E+01	2.0E+01
TOLUENE	9.3E+00	9.3E+00	1.3E+02
TOXAPHENE	4.2E-04	4.2E-04	2.0E-04
TPH (gasolines)	1.0E+02	4.0E+02	5.0E+02
TPH (middle distillates)	1.0E+02	5.0E+02	6.4E+02
TPH (residual fuels)	5.0E+02	1.0E+03	6.4E+02
TRICHLOROBENZENE, 1,2,4-	3.8E-01	1.0E+00	2.5E+01
TRICHLOROETHANE, 1,1,1-	7.8E+00	7.8E+00	6.2E+01
TRICHLOROETHANE, 1,1,2-	3.2E-02	8.9E-02	3.5E+02
TRICHLOROETHYLENE	2.6E-01	7.3E-01	3.6E+02
TRICHLOROPHENOL, 2,4,5-	1.8E-01	1.8E-01	1.1E+01
TRICHLOROPHENOL, 2,4,6-	6.9E+00	1.0E+01	4.9E+02
VANADIUM	1.1E+02	2.0E+02	1.9E+01

TABLE B. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Shallow Soils (≤3m bgs)
Groundwater IS NOT a Current or Potential Source of Drinking Water

	[1]Shallow Soil		
CHEMICAL PARAMETER	**[2]Residential Land Use (mg/kg)**	**Commercial/ Industrial Land Use Only (mg/kg)**	**[3]Groundwater (ug/L)**
VINYL CHLORIDE	6.7E-03	1.9E-02	3.8E+00
XYLENES	1.1E+01	1.1E+01	1.0E+02
ZINC	6.0E+02	6.0E+02	8.1E+01
Electrical Conductivity (mS/cm, USEPA Method 120.1 MOD)	2.0	4.0	not applicable
Sodium Adsorption Ratio	5.0	12	not applicable

Red: Updated with respect to ESLs presented in July 2003 document.

Notes:

1. Shallow soils defined as soils less than or equal to 3 meters (approximately 10 feet) below ground surface.
2. Category "Residential Land Use" generally considered adequate for other sensitive uses (e.g., day-care centers, hospitals, etc.)
3. Assumes potential discharge of groundwater into marine or estuary surface water system.

Source of soil ESLs: Refer to Appendix 1, Tables A-1 and A-2.

Source of groundwater ESLs: Refer to Appendix 1, Table F-1b.

Soil data should be reported on dry-weight basis (see Appendix 1, Section 6.2).

Soil ESLs intended to address direct-exposure, groundwater protection, ecologic (urban areas) and nuisance concerns under noted land-use scenarios. **Soil gas data should be collected for additional evaluation of potential indoor-air impacts at at sites with significant areas of VOC-impacted soil. See Section 2.6 and Table E.**

Groundwater ESLs intended to address surface water, indoor-air and nuisance concerns. **Use in conjunction with soil gas screening levels to more closely evaluate potential impacts to indoor-air if groundwater screening levels for this concern approached or exceeded (refer to Section 2.6 and Appendix 1, Table F-1a).**

Aquatic habitat goals for bioaccumulation concerns not considered in selection of groundwater goals (refer to Section 2.7).

Refer to appendices for summary of ESL components.

Soil and water ESLs for ethanol based on gross contamination concerns (see Appendix 1, Chapter 5 and related tables).

TPH -Total Petroleum Hydrocarbons. TPH ESLs must be used in conjunction with ESLs for related chemicals (e.g., BTEX, PAHs, oxidizers, etc.). See Volume 1, Section 2.2 and Appendix 1, Chapter 5.

TABLE C: DEEP SOIL (>3M BGS) - WATER IS A CURRENT OR POTENTIAL SOURCE OF DRINKING WATER

Notes:

- Always compare final soil data for commercial/industrial sites to residential ESLs and evaluate need for formal land-use restrictions (see Section 2.10).
- ESLs for deep soils may be applicable to soils <3m below ground surface at commercial/industrial sites provided institutional controls are put in place to maintain an adequate cap and provide proper management of soil if exposed in future (see Section 2.5 and Section 2.10).

TABLE C. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Deep Soils (>3m bgs)
Groundwater IS a Current or Potential Source of Drinking Water

	[1]Deep Soil		
CHEMICAL PARAMETER	[2]Residential Land Use (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	[3]Groundwater (ug/L)
ACENAPHTHENE	1.6E+01	1.6E+01	2.0E+01
ACENAPHTHYLENE	1.3E+01	1.3E+01	3.0E+01
ACETONE	5.0E-01	5.0E-01	1.5E+03
ALDRIN	1.5E+00	1.5E+00	2.0E-03
ANTHRACENE	2.8E+00	2.8E+00	7.3E-01
ANTIMONY	2.8E+02	2.8E+02	6.0E+00
ARSENIC	5.5E+00	5.5E+00	3.6E+01
BARIUM	2.5E+03	2.5E+03	1.0E+03
BENZENE	4.4E-02	4.4E-02	1.0E+00
BENZO(a)ANTHRACENE	1.2E+01	1.2E+01	2.7E-02
BENZO(b)FLUORANTHENE	1.5E+01	1.5E+01	2.9E-02
BENZO(k)FLUORANTHENE	2.7E+00	2.7E+00	2.9E-02
BENZO(g,h,i)PERYLENE	2.7E+01	2.7E+01	1.0E-01
BENZO(a)PYRENE	1.5E+00	1.5E+00	1.4E-02
BERYLLIUM	3.6E+01	3.6E+01	2.7E+00
BIPHENYL, 1,1-	6.5E-01	6.5E-01	5.0E-01
BIS(2-CHLOROETHYL)ETHER	1.8E-04	1.8E-04	1.4E-02
BIS(2-CHLOROISOPROPYL)ETHER	5.4E-03	5.4E-03	5.0E-01
BIS(2-ETHYLHEXYL)PHTHALATE	6.6E+01	6.6E+01	4.0E+00
BORON	4.6E+04	4.6E+04	1.6E+00
BROMODICHLOROMETHANE	1.4E-02	3.9E-02	1.0E+02
BROMOFORM	2.2E+00	2.2E+00	1.0E+02
BROMOMETHANE	2.2E-01	3.9E-01	9.8E+00
CADMIUM	3.8E+01	3.8E+01	1.1E+00
CARBON TETRACHLORIDE	1.2E-02	3.4E-02	5.0E-01
CHLORDANE	1.5E+01	1.5E+01	4.0E-03
CHLOROANILINE, p-	5.3E-02	5.3E-02	5.0E+00
CHLOROBENZENE	1.5E+00	1.5E+00	2.5E+01
CHLOROETHANE	6.3E-01	8.5E-01	1.2E+01
CHLOROFORM	2.1E+00	2.1E+00	7.0E+01
CHLOROMETHANE	7.0E-02	2.0E-01	1.3E+00
CHLOROPHENOL, 2-	1.2E-02	1.2E-02	1.8E-01
CHROMIUM (Total)	5.8E+01	5.8E+01	5.0E+01
CHROMIUM III	2.5E+03	5.0E+03	1.8E+02
CHROMIUM VI	1.8E+00	1.8E+00	1.1E+01
CHRYSENE	1.9E+01	1.9E+01	2.9E-01
COBALT	1.0E+01	1.0E+01	3.0E+00
COPPER	2.5E+03	5.0E+03	3.1E+00
CYANIDE (Free)	3.6E-03	3.6E-03	1.0E+00
DIBENZO(a,h)ANTHTRACENE	4.3E+00	4.3E+00	8.5E-03
DIBROMOCHLOROMETHANE	1.9E-02	5.4E-02	1.0E+02
1,2-DIBROMO-3-CHLOROPROPANE	4.5E-03	4.5E-03	2.0E-01
DIBROMOETHANE, 1,2-	3.3E-04	3.3E-04	5.0E-02
DICHLOROBENZENE, 1,2-	1.1E+00	1.1E+00	1.0E+01

TABLE C. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Deep Soils (>3m bgs)
Groundwater IS a Current or Potential Source of Drinking Water

CHEMICAL PARAMETER	[1]Deep Soil		[3]Groundwater (ug/L)
	[2]Residential Land Use (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	
DICHLOROBENZENE, 1,3-	7.4E+00	7.4E+00	6.5E+01
DICHLOROBENZENE, 1,4-	4.6E-02	1.3E-01	5.0E+00
DICHLOROBENZIDINE, 3,3-	7.7E-03	7.7E-03	2.9E-02
DICHLORODIPHENYLDICHLOROETHANE (DDD)	1.1E+02	1.1E+02	1.0E-03
DICHLORODIPHENYLDICHLOROETHYLENE (DDE)	7.6E+01	7.6E+01	1.0E-03
DICHLORODIPHENYLTRICHLOROETHANE (DDT)	4.3E+00	4.3E+00	1.0E-03
DICHLOROETHANE, 1,1-	2.0E-01	2.0E-01	5.0E+00
DICHLOROETHANE, 1,2-	4.5E-03	4.5E-03	5.0E-01
DICHLOROETHYLENE, 1,1-	1.0E+00	1.0E+00	6.0E+00
DICHLOROETHYLENE, Cis 1,2-	1.9E-01	1.9E-01	6.0E+00
DICHLOROETHYLENE, Trans 1,2-	6.7E-01	6.7E-01	1.0E+01
DICHLOROPHENOL, 2,4-	3.0E-01	3.0E-01	3.0E-01
DICHLOROPROPANE, 1,2-	5.1E-02	1.2E-01	5.0E+00
DICHLOROPROPENE, 1,3-	3.3E-02	5.9E-02	5.0E-01
DIELDRIN	2.3E-03	2.3E-03	1.9E-03
DIETHYLPHTHALATE	3.5E-02	3.5E-02	1.5E+00
DIMETHYLPHTHALATE	3.5E-02	3.5E-02	1.5E+00
DIMETHYLPHENOL, 2,4-	6.7E-01	6.7E-01	1.0E+02
DINITROPHENOL, 2,4-	4.0E-02	4.0E-02	1.4E+01
DINITROTOLUENE, 2,4-	8.5E-04	8.5E-04	1.1E-01
1,4 DIOXANE	1.8E-03	1.8E-03	3.0E+00
DIOXIN (2,3,7,8-TCDD)	2.4E-04	2.4E-04	5.0E-06
ENDOSULFAN	4.6E-03	4.6E-03	8.7E-03
ENDRIN	6.5E-04	6.5E-04	2.3E-03
ETHANOL	4.5E+01	4.5E+01	5.0E+04
ETHYLBENZENE	3.3E+00	3.3E+00	3.0E+01
FLUORANTHENE	6.0E+01	6.0E+01	8.0E+00
FLUORENE	8.9E+00	8.9E+00	3.9E+00
HEPTACHLOR	1.4E-02	1.4E-02	3.8E-03
HEPTACHLOR EPOXIDE	1.5E-02	1.5E-02	3.8E-03
HEXACHLOROBENZENE	1.1E+01	1.1E+01	1.0E+00
HEXACHLOROBUTADIENE	1.0E+00	1.0E+00	2.1E-01
HEXACHLOROCYCLOHEXANE (gamma) LINDANE	4.9E-02	4.9E-02	8.0E-02
HEXACHLOROETHANE	2.4E+00	2.4E+00	7.0E-01
INDENO(1,2,3-cd)PYRENE	7.7E+00	7.7E+00	2.9E-02
LEAD	7.5E+02	7.5E+02	2.5E+00
MERCURY	9.8E+01	9.8E+01	1.2E-02
METHOXYCHLOR	1.9E+01	1.9E+01	1.9E-02
METHYLENE CHLORIDE	7.7E-02	7.7E-02	5.0E+00
METHYL ETHYL KETONE	3.9E+00	3.9E+00	4.2E+03
METHYL ISOBUTYL KETONE	2.8E+00	2.8E+00	1.2E+02
METHYL MERCURY	4.1E+01	4.1E+01	3.0E-03
METHYLNAPHTHALENE (total 1- & 2-)	2.5E-01	2.5E-01	2.1E+00
METHYL TERT BUTYL ETHER	2.3E-02	2.3E-02	5.0E+00

TABLE C. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Deep Soils (>3m bgs)
Groundwater IS a Current or Potential Source of Drinking Water

	[1]Deep Soil		
CHEMICAL PARAMETER	**[2]Residential Land Use (mg/kg)**	**Commercial/ Industrial Land Use Only (mg/kg)**	**[3]Groundwater (ug/L)**
MOLYBDENUM	2.5E+03	3.6E+03	3.5E+01
NAPHTHALENE	4.6E-01	1.5E+00	1.7E+01
NICKEL	1.0E+03	1.0E+03	8.2E+00
PENTACHLOROPHENOL	5.3E+00	5.3E+00	1.0E+00
PERCHLORATE	1.0E-02	1.0E-02	6.0E+00
PHENANTHRENE	1.1E+01	1.1E+01	4.6E+00
PHENOL	7.6E-02	7.6E-02	5.0E+00
POLYCHLORINATED BIPHENYLS (PCBs)	6.3E+00	6.3E+00	1.4E-02
PYRENE	8.5E+01	8.5E+01	2.0E+00
SELENIUM	2.5E+03	3.4E+03	5.0E+00
SILVER	2.5E+03	3.6E+03	1.9E-01
STYRENE	1.5E+00	1.5E+00	1.0E+01
tert-BUTYL ALCOHOL	7.3E-02	7.3E-02	1.2E+01
TETRACHLOROETHANE, 1,1,1,2-	2.4E-02	2.4E-02	1.3E+00
TETRACHLOROETHANE, 1,1,2,2-	9.1E-03	1.8E-02	1.0E+00
TETRACHLOROETHYLENE	8.7E-02	2.4E-01	5.0E+00
THALLIUM	4.7E+01	4.7E+01	2.0E+00
TOLUENE	2.9E+00	2.9E+00	4.0E+01
TOXAPHENE	4.2E-04	4.2E-04	2.0E-04
TPH (gasolines)	1.0E+02	1.0E+02	1.0E+02
TPH (middle distillates)	1.0E+02	1.0E+02	1.0E+02
TPH (residual fuels)	1.0E+03	1.0E+03	1.0E+02
TRICHLOROBENZENE, 1,2,4-	3.8E-01	1.0E+00	2.5E+01
TRICHLOROETHANE, 1,1,1-	7.8E+00	7.8E+00	6.2E+01
TRICHLOROETHANE, 1,1,2-	3.2E-02	7.0E-02	5.0E+00
TRICHLOROETHYLENE	2.6E-01	4.6E-01	5.0E+00
TRICHLOROPHENOL, 2,4,5-	1.8E-01	1.8E-01	1.1E+01
TRICHLOROPHENOL, 2,4,6-	1.7E-01	1.7E-01	5.0E-01
VANADIUM	2.5E+03	5.0E+03	1.5E+01

TABLE C. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Deep Soils (>3m bgs)
Groundwater IS a Current or Potential Source of Drinking Water

	[1]Deep Soil		
CHEMICAL PARAMETER	**[2]Residential Land Use (mg/kg)**	**Commercial/ Industrial Land Use Only (mg/kg)**	**[3]Groundwater (ug/L)**
VINYL CHLORIDE	6.7E-03	1.9E-02	5.0E-01
XYLENES	2.3E+00	2.3E+00	2.0E+01
ZINC	2.5E+03	5.0E+03	8.1E+01
Electrical Conductivity (mS/cm, USEPA Method 120.1 MOD)	not applicable	not applicable	not applicable
Sodium Adsorption Ratio	not applcable	not applicable	not applicable

Red: Updated with respect to ESLs presented in July 2003 document.

Notes:

1. Deep soils defined as soils greater than 3 meters (approximately 10 feet) below ground surface.
2. Category "Residential Land Use" generally considered adequate for other sensitive uses (e.g., day-care centers, hospitals, etc.)
3. Assumes potential discharge of groundwater into a freshwater, marine or estuary surface water system.

Source of soil ESLs: Refer to Appendix 1, Tables C-1 and C-2.

Source of groundwater ESLs: Refer to Appendix 1, Table F-1a.

Soil data should be reported on dry-weight basis (see Appendix 1, Section 6.2).

Soil ESLs intended to address human health, groundwater protection and nuisance concerns under a construction/trench worker exposure scenario and noted land-use scenarios. **Soil gas data should be collected for additional evaluation of potential indoor-air impacts at sites with significant areas of VOC-impacted soil. See Section 2.6 and Table E.**

Groundwater ESLs intended to be address drinking water, surface water, indoor-air and nuisance concerns. **Use in conjunction with soil gas screening levels to more closely evaluate potential impacts to indoor-air if groundwater screening levels for this concern approached or exceeded (refer to Section 2.6 and Appendix 1, Table F-1a).**

Aquatic habitat goals for bioaccumulation concerns not considered in selection of groundwater goals (refer to Section 2.7).

Refer to appendices for summary of ESL components.

Soil and water ESLs for ethanol based on gross contamination concerns (see Appendix 1, Chapter 5 and related tables).

TPH -Total Petroleum Hydrocarbons. TPH ESLs must be used in conjunction with ESLs for related chemicals (e.g., BTEX, PAHs, oxidizers, etc.). See Volume 1, Section 2.2 and Appendix 1, Chapter 5.

TABLE D: DEEP SOIL (>3M BGS) - WATER IS NOT A CURRENT OR POTENTIAL SOURCE OF DRINKING WATER

Notes:

- Always compare final soil data for commercial/industrial sites to residential ESLs and evaluate need for formal land-use restrictions (see Section 2.10).
-- Assumption that groundwater is not a current or potential source of drinking water should be approved by overseeing regulatory agency prior to use of this table (see Section 2.4).
- ESLs for deep soils may be applicable to soils <3m below ground surface at commercial/industrial sites provided institutional controls are put in place to maintain an adequate cap and provide proper management of soil if exposed in future (see Section 2.5 and Section 2.10).

TABLE D. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Deep Soils (>3m bgs)
Groundwater IS NOT a Current or Potential Source of Drinking Water

	[1]Deep Soil		
CHEMICAL PARAMETER	[2]Residential Land Use (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	[3]Groundwater (ug/L)
ACENAPHTHENE	1.9E+01	1.9E+01	2.3E+01
ACENAPHTHYLENE	1.3E+01	1.3E+01	3.0E+01
ACETONE	5.0E-01	5.0E-01	1.5E+03
ALDRIN	1.5E+00	1.5E+00	1.3E-01
ANTHRACENE	2.8E+00	2.8E+00	7.3E-01
ANTIMONY	2.8E+02	2.8E+02	3.0E+01
ARSENIC	5.5E+00	5.5E+00	3.6E+01
BARIUM	2.5E+03	2.5E+03	1.0E+03
BENZENE	1.8E-01	5.1E-01	4.6E+01
BENZO(a)ANTHRACENE	1.2E+01	1.2E+01	2.7E-02
BENZO(b)FLUORANTHENE	1.5E+01	1.5E+01	2.9E-02
BENZO(k)FLUORANTHENE	1.5E+01	1.5E+01	4.0E-01
BENZO(g,h,i)PERYLENE	2.7E+01	2.7E+01	1.0E-01
BENZO(a)PYRENE	1.5E+00	1.5E+00	1.4E-02
BERYLLIUM	3.6E+01	3.6E+01	2.7E+00
BIPHENYL, 1,1-	6.5E+00	6.5E+00	5.0E+00
BIS(2-CHLOROETHYL)ETHER	3.7E-03	1.2E-02	6.1E+01
BIS(2-CHLOROISOPROPYL)ETHER	6.6E-01	6.6E-01	6.1E+01
BIS(2-ETHYLHEXYL)PHTHALATE	5.3E+02	5.3E+02	3.2E+01
BORON	4.6E+04	4.6E+04	1.6E+00
BROMODICHLOROMETHANE	1.4E-02	3.9E-02	1.7E+02
BROMOFORM	6.9E+01	6.9E+01	3.2E+03
BROMOMETHANE	2.2E-01	5.1E-01	1.6E+02
CADMIUM	3.8E+01	3.8E+01	1.1E+00
CARBON TETRACHLORIDE	1.2E-02	3.4E-02	9.3E+00
CHLORDANE	1.5E+01	1.5E+01	4.0E-03
CHLOROANILINE, p-	5.3E-02	5.3E-02	5.0E+00
CHLOROBENZENE	1.5E+00	1.5E+00	2.5E+01
CHLOROETHANE	6.3E-01	8.5E-01	1.2E+01
CHLOROFORM	9.8E+00	9.8E+00	3.3E+02
CHLOROMETHANE	7.0E-02	2.0E-01	4.1E+01
CHLOROPHENOL, 2-	1.2E-01	1.2E-01	1.8E+00
CHROMIUM (Total)	5.8E+01	5.8E+01	1.8E+02
CHROMIUM III	2.5E+03	5.0E+03	1.8E+02
CHROMIUM VI	1.8E+00	1.8E+00	1.1E+01
CHRYSENE	2.3E+01	2.3E+01	3.5E-01
COBALT	1.0E+01	1.0E+01	3.0E+00
COPPER	2.5E+03	5.0E+03	3.1E+00
CYANIDE (Free)	3.6E-03	3.6E-03	1.0E+00
DIBENZO(a,h)ANTHTRACENE	4.3E+00	4.3E+00	2.5E-01
DIBROMOCHLOROMETHANE	1.9E-02	5.4E-02	1.7E+02
1,2-DIBROMO-3-CHLOROPROPANE	4.5E-03	4.5E-03	2.0E-01
DIBROMOETHANE, 1,2-	7.3E-03	2.0E-02	1.5E+02
DICHLOROBENZENE, 1,2-	1.6E+00	1.6E+00	1.4E+01

TABLE D. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Deep Soils (>3m bgs)
Groundwater IS NOT a Current or Potential Source of Drinking Water

	[1]Deep Soil		
CHEMICAL PARAMETER	[2]Residential Land Use (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	[3]Groundwater (ug/L)
DICHLOROBENZENE, 1,3-	7.4E+00	7.4E+00	6.5E+01
DICHLOROBENZENE, 1,4-	4.6E-02	1.3E-01	1.5E+01
DICHLOROBENZIDINE, 3,3-	1.7E+01	1.7E+01	2.5E+02
DICHLORODIPHENYLDICHLOROETHANE (DDD)	1.1E+02	1.1E+02	1.0E-03
DICHLORODIPHENYLDICHLOROETHYLENE (DDE)	7.6E+01	7.6E+01	1.0E-03
DICHLORODIPHENYLTRICHLOROETHANE (DDT)	4.3E+00	4.3E+00	1.0E-03
DICHLOROETHANE, 1,1-	3.2E-01	8.9E-01	4.7E+01
DICHLOROETHANE, 1,2-	2.5E-02	7.0E-02	2.0E+02
DICHLOROETHYLENE, 1,1-	4.3E+00	4.3E+00	2.5E+01
DICHLOROETHYLENE, Cis 1,2-	1.6E+00	3.6E+00	5.9E+02
DICHLOROETHYLENE, Trans 1,2-	3.1E+00	7.3E+00	5.9E+02
DICHLOROPHENOL, 2,4-	3.0E+00	3.0E+00	3.0E+00
DICHLOROPROPANE, 1,2-	5.1E-02	1.4E-01	1.0E+02
DICHLOROPROPENE, 1,3-	3.3E-02	9.3E-02	5.3E+01
DIELDRIN	2.3E-03	2.3E-03	1.9E-03
DIETHYLPHTHALATE	3.5E-02	3.5E-02	1.5E+00
DIMETHYLPHTHALATE	3.5E-02	3.5E-02	1.5E+00
DIMETHYLPHENOL, 2,4-	7.4E-01	7.4E-01	1.1E+02
DINITROPHENOL, 2,4-	2.1E-01	2.1E-01	7.5E+01
DINITROTOLUENE, 2,4-	8.6E-01	8.6E-01	1.2E+02
1,4 DIOXANE	3.0E+01	3.0E+01	5.0E+04
DIOXIN (2,3,7,8-TCDD)	2.4E-04	2.4E-04	5.0E-06
ENDOSULFAN	4.6E-03	4.6E-03	8.7E-03
ENDRIN	6.5E-04	6.5E-04	2.3E-03
ETHANOL	4.5E+01	4.5E+01	5.0E+04
ETHYLBENZENE	3.2E+01	3.2E+01	2.9E+02
FLUORANTHENE	6.0E+01	6.0E+01	8.0E+00
FLUORENE	8.9E+00	8.9E+00	3.9E+00
HEPTACHLOR	1.4E-02	1.4E-02	3.8E-03
HEPTACHLOR EPOXIDE	1.5E-02	1.5E-02	3.8E-03
HEXACHLOROBENZENE	1.1E+01	1.1E+01	3.7E+00
HEXACHLOROBUTADIENE	2.3E+01	2.3E+01	4.7E+00
HEXACHLOROCYCLOHEXANE (gamma) LINDANE	4.9E-02	4.9E-02	8.0E-02
HEXACHLOROETHANE	4.1E+01	4.1E+01	1.2E+01
INDENO(1,2,3-cd)PYRENE	7.7E+00	7.7E+00	2.9E-02
LEAD	7.5E+02	7.5E+02	2.5E+00
MERCURY	9.8E+01	9.8E+01	1.2E-02
METHOXYCHLOR	1.9E+01	1.9E+01	1.9E-02
METHYLENE CHLORIDE	5.2E-01	1.5E+00	2.2E+03
METHYL ETHYL KETONE	1.3E+01	1.3E+01	1.4E+04
METHYL ISOBUTYL KETONE	3.9E+00	3.9E+00	1.7E+02
METHYL MERCURY	4.1E+01	4.1E+01	3.0E-03
METHYLNAPHTHALENE (total 1- & 2-)	2.5E-01	2.5E-01	2.1E+00
METHYL TERT BUTYL ETHER	2.0E+00	5.6E+00	1.8E+03

TABLE D. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Deep Soils (>3m bgs)
Groundwater IS NOT a Current or Potential Source of Drinking Water

	[1]Deep Soil		
CHEMICAL PARAMETER	[2]Residential Land Use (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	[3]Groundwater (ug/L)
MOLYBDENUM	2.5E+03	3.6E+03	2.4E+02
NAPHTHALENE	4.6E-01	1.5E+00	2.4E+01
NICKEL	1.0E+03	1.0E+03	8.2E+00
PENTACHLOROPHENOL	4.2E+01	4.2E+01	7.9E+00
PERCHLORATE	1.2E+00	1.2E+00	6.0E+02
PHENANTHRENE	1.1E+01	1.1E+01	4.6E+00
PHENOL	1.9E+01	1.9E+01	1.3E+03
POLYCHLORINATED BIPHENYLS (PCBs)	6.3E+00	6.3E+00	1.4E-02
PYRENE	8.5E+01	8.5E+01	2.0E+00
SELENIUM	2.5E+03	3.4E+03	5.0E+00
SILVER	2.5E+03	3.6E+03	1.9E-01
STYRENE	1.5E+01	1.5E+01	1.0E+02
tert-BUTYL ALCOHOL	1.1E+02	1.1E+02	1.8E+04
TETRACHLOROETHANE, 1,1,1,2-	1.6E+01	1.6E+01	9.3E+02
TETRACHLOROETHANE, 1,1,2,2-	9.1E-03	2.5E-02	1.9E+02
TETRACHLOROETHYLENE	8.7E-02	2.4E-01	1.2E+02
THALLIUM	4.7E+01	4.7E+01	2.0E+01
TOLUENE	9.3E+00	9.3E+00	1.3E+02
TOXAPHENE	4.2E-04	4.2E-04	2.0E-04
TPH (gasolines)	4.0E+02	4.0E+02	5.0E+02
TPH (middle distillates)	5.0E+02	5.0E+02	6.4E+02
TPH (residual fuels)	1.0E+03	1.0E+03	6.4E+02
TRICHLOROBENZENE, 1,2,4-	3.8E-01	1.0E+00	2.5E+01
TRICHLOROETHANE, 1,1,1-	7.8E+00	7.8E+00	6.2E+01
TRICHLOROETHANE, 1,1,2-	3.2E-02	8.9E-02	3.5E+02
TRICHLOROETHYLENE	2.6E-01	7.3E-01	3.6E+02
TRICHLOROPHENOL, 2,4,5-	1.8E-01	1.8E-01	1.1E+01
TRICHLOROPHENOL, 2,4,6-	1.6E+02	1.6E+02	4.9E+02
VANADIUM	2.5E+03	5.0E+03	1.9E+01

TABLE D. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Deep Soils (>3m bgs)
Groundwater IS NOT a Current or Potential Source of Drinking Water

	[1]Deep Soil		
CHEMICAL PARAMETER	**[2]Residential Land Use (mg/kg)**	**Commercial/ Industrial Land Use Only (mg/kg)**	**[3]Groundwater (ug/L)**
VINYL CHLORIDE	6.7E-03	1.9E-02	3.8E+00
XYLENES	1.1E+01	1.1E+01	1.0E+02
ZINC	2.5E+03	5.0E+03	8.1E+01
Electrical Conductivity (mS/cm, USEPA Method 120.1 MOD)	not applicable	not applicable	not applicable
Sodium Adsorption Ratio	not applicable	not applicable	not applicable

Red: Updated with respect to ESLs presented in July 2003 document.

Notes:

1. Deep soils defined as soils greater than 3 meters (approximately 10 feet) below ground surface.
2. Category "Residential Land Use" generally considered adequate for other sensitive uses (e.g., day-care centers, hospitals, etc.)
3. Assumes potential discharge of groundwater into marine or estuary surface water system.

Source of soil ESLs: Refer to Appendix 1, Tables D-1 and D-2.

Source of groundwater ESLs: Refer to Appendix 1, Table F-1b.

Soil data should be reported on dry-weight basis (see Appendix 1, Section 6.2).

Soil ESLs intended to address human health, groundwater protection and nuisance concerns under a construction/trench worker exposure scenario and noted land-use scenarios. **Soil gas data should be collected for additional evaluation of potential indoor-air impacts at sites with significant areas of VOC-impacted soil. See Section 2.6 and Table E.**

Groundwater ESLs intended to address surface water, indoor-air and nuisance concerns. **Use in conjunction with soil gas screening levels to more closely evaluate potential impacts to indoor-air if groundwater screening levels for this concern approached or exceeded (refer to Section 2.6 and Appendix 1, Table F-1a).**

Aquatic habitat goals for bioaccumulation concerns not considered in selection of groundwater goals (refer to Section 2.7).

Refer to appendices for summary of ESL components.

Soil and water ESLs for ethanol based on gross contamination concerns (see Appendix 1, Chapter 5 and related tables).

TPH -Total Petroleum Hydrocarbons. TPH ESLs must be used in conjunction with ESLs for related chemicals (e.g., BTEX, PAHs, oxidizers, etc.). See Volume 1, Section 2.2 and Appendix 1, Chapter 5.

TABLE E: SHALLOW SOIL GAS AND INDOOR AIR

Notes:

- Shallow soil gas intended to reflect soil gas zero to five feet below ground surface or the foundation of a building. Collection of soil gas data from depths <3 feet below ground surface in open areas is generally not practical (see Section 2.6).

TABLE E. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Indoor Air and Soil Gas
(Vapor Intrusion Concerns)

	INDOOR AIR SCREENING LEVELS		[2]SHALLOW SOIL GAS SCREENING LEVELS	
CHEMICAL PARAMETER	[1]Residential Land Use (ug/m3)	Commercial/ Industrial Land Use Only (ug/m^3)	[1]Residential Land Use (ug/m3)	Commercial/ Industrial Land Use Only (ug/m^3)
ACENAPHTHENE	4.4E+01	6.1E+01	4.4E+04	1.2E+05
ACENAPHTHYLENE	2.9E+01	4.1E+01	2.9E+04	8.2E+04
ACETONE	6.6E+02	9.2E+02	6.6E+05	1.8E+06
ALDRIN				
ANTHRACENE	2.2E+02	3.1E+02	2.2E+05	6.1E+05
ANTIMONY				
ARSENIC				
BARIUM				
BENZENE	8.5E-02	1.4E-01	8.5E+01	2.9E+02
BENZO(a)ANTHRACENE				
BENZO(b)FLUORANTHENE				
BENZO(k)FLUORANTHENE				
BENZO(g,h,i)PERYLENE				
BENZO(a)PYRENE				
BERYLLIUM				
BIPHENYL, 1,1-	3.7E+01	5.1E+01	3.7E+04	1.0E+05
BIS(2-CHLOROETHYL)ETHER	3.4E-03	5.7E-03	3.4E+00	1.1E+01
BIS(2-CHLOROISOPROPYL)ETHER	2.4E-01	4.1E-01	2.4E+02	8.2E+02
BIS(2-ETHYLHEXYL)PHTHALATE				
BORON				
BROMODICHLOROMETHANE	6.6E-02	1.1E-01	6.6E+01	2.2E+02
BROMOFORM				
BROMOMETHANE	1.0E+00	1.4E+00	1.0E+03	2.9E+03
CADMIUM				
CARBON TETRACHLORIDE	5.7E-02	9.5E-02	5.7E+01	1.9E+02
CHLORDANE				
CHLOROANILINE, p-				
CHLOROBENZENE	1.2E+01	1.7E+01	1.2E+04	3.5E+04
CHLOROETHANE	2.9E+00	4.9E+00	2.9E+03	9.9E+03
CHLOROFORM	4.5E-01	7.5E-01	4.5E+02	1.5E+03
CHLOROMETHANE	3.3E-01	5.5E-01	3.3E+02	1.1E+03
CHLOROPHENOL, 2-	3.7E+00	5.1E+00	3.7E+03	1.0E+04
CHROMIUM (Total)				
CHROMIUM III				
CHROMIUM VI				
CHRYSENE				
COBALT				
COPPER				
CYANIDE (Free)				
DIBENZO(a,h)ANTHTRACENE				
DIBROMOCHLOROMETHANE	9.1E-02	1.5E-01	9.1E+01	3.0E+02
1,2-DIBROMO-3-CHLOROPROPANE	1.2E-03	2.0E-03	1.2E+00	4.1E+00
DIBROMOETHANE, 1,2-	3.4E-02	5.7E-02	3.4E+01	1.1E+02
DICHLOROBENZENE, 1,2-	4.2E+01	5.8E+01	4.2E+04	1.2E+05

TABLE E. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Indoor Air and Soil Gas
(Vapor Intrusion Concerns)

	INDOOR AIR SCREENING LEVELS		[2]SHALLOW SOIL GAS SCREENING LEVELS	
CHEMICAL PARAMETER	[1]Residential Land Use (ug/m3)	Commercial/ Industrial Land Use Only (ug/m^3)	[1]Residential Land Use (ug/m3)	Commercial/ Industrial Land Use Only (ug/m^3)
DICHLOROBENZENE, 1,3-	2.2E+01	3.1E+01	2.2E+04	6.1E+04
DICHLOROBENZENE, 1,4-	2.1E-01	3.6E-01	2.1E+02	7.2E+02
DICHLOROBENZIDINE, 3,3-				
DICHLORODIPHENYLDICHLOROETHANE (DDD)				
DICHLORODIPHENYLDICHLOROETHYLENE (DDE)				
DICHLORODIPHENYLTRICHLOROETHANE (DDT)				
DICHLOROETHANE, 1,1-	1.5E+00	2.5E+00	1.5E+03	5.0E+03
DICHLOROETHANE, 1,2-	1.2E-01	2.0E-01	1.2E+02	3.9E+02
DICHLOROETHYLENE, 1,1-	4.2E+01	5.8E+01	4.2E+04	1.2E+05
DICHLOROETHYLENE, Cis 1,2-	7.3E+00	1.0E+01	7.3E+03	2.0E+04
DICHLOROETHYLENE, Trans 1,2-	1.5E+01	2.0E+01	1.5E+04	4.1E+04
DICHLOROPHENOL, 2,4-				
DICHLOROPROPANE, 1,2-	2.4E-01	4.0E-01	2.4E+02	7.9E+02
DICHLOROPROPENE, 1,3-	1.5E-01	2.6E-01	1.5E+02	5.2E+02
DIELDRIN				
DIETHYLPHTHALATE				
DIMETHYLPHTHALATE				
DIMETHYLPHENOL, 2,4-	1.5E+01	2.0E+01	1.5E+04	4.1E+04
DINITROPHENOL, 2,4-				
DINITROTOLUENE, 2,4-				
1,4 DIOXANE				
DIOXIN (2,3,7,8-TCDD)				
ENDOSULFAN				
ENDRIN				
ETHANOL			1.9E+07	3.8E+07
ETHYLBENZENE	4.2E+02	5.8E+02	4.2E+05	1.2E+06
FLUORANTHENE				
FLUORENE	2.9E+01	4.1E+01	2.9E+04	8.2E+04
HEPTACHLOR				
HEPTACHLOR EPOXIDE				
HEXACHLOROBENZENE				
HEXACHLOROBUTADIENE				
HEXACHLOROCYCLOHEXANE (gamma) LINDANE				
HEXACHLOROETHANE				
INDENO(1,2,3-cd)PYRENE				
LEAD				
MERCURY	1.9E-02	2.7E-02	1.9E+01	5.3E+01
METHOXYCHLOR				
METHYLENE CHLORIDE	2.4E+00	4.1E+00	2.4E+03	8.2E+03
METHYL ETHYL KETONE	2.1E+02	3.0E+02	2.1E+05	5.9E+05
METHYL ISOBUTYL KETONE	1.7E+01	2.4E+01	1.7E+04	4.7E+04
METHYL MERCURY				
METHYLNAPHTHALENE (total 1- & 2-)	2.9E+01	4.1E+01	2.9E+04	8.2E+04
METHYL TERT BUTYL ETHER	9.4E+00	1.6E+01	9.4E+03	3.1E+04

TABLE E. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Indoor Air and Soil Gas
(Vapor Intrusion Concerns)

	INDOOR AIR SCREENING LEVELS		[2]SHALLOW SOIL GAS SCREENING LEVELS	
CHEMICAL PARAMETER	[1]Residential Land Use (ug/m3)	Commercial/ Industrial Land Use Only (ug/m^3)	[1]Residential Land Use (ug/m3)	Commercial/ Industrial Land Use Only (ug/m^3)
MOLYBDENUM				
NAPHTHALENE	7.1E-02	1.2E-01	7.1E+01	2.4E+02
NICKEL				
PENTACHLOROPHENOL				
PERCHLORATE				
PHENANTHRENE	2.9E+01	4.1E+01	2.9E+04	8.2E+04
PHENOL				
POLYCHLORINATED BIPHENYLS (PCBs)				
PYRENE	2.2E+01	3.1E+01	2.2E+04	6.1E+04
SELENIUM				
SILVER				
STYRENE	2.1E+02	3.0E+02	2.1E+05	5.9E+05
tert-BUTYL ALCOHOL	2.6E+00	4.3E+00	2.6E+03	8.7E+03
TETRACHLOROETHANE, 1,1,1,2-	3.3E-01	5.5E-01	3.3E+02	1.1E+03
TETRACHLOROETHANE, 1,1,2,2-	4.3E-02	7.2E-02	4.3E+01	1.4E+02
TETRACHLOROETHYLENE	4.1E-01	6.8E-01	4.1E+02	1.4E+03
THALLIUM				
TOLUENE	6.3E+01	8.8E+01	6.3E+04	1.8E+05
TOXAPHENE				
TPH (gasolines)	2.6E+01	3.6E+01	2.6E+04	7.2E+04
TPH (middle distillates)	2.6E+01	3.6E+01	2.6E+04	7.2E+04
TPH (residual fuels)				
TRICHLOROBENZENE, 1,2,4-	7.3E-01	1.0E+00	7.3E+02	2.0E+03
TRICHLOROETHANE, 1,1,1-	4.6E+02	6.4E+02	4.6E+05	1.3E+06
TRICHLOROETHANE, 1,1,2-	1.5E-01	2.5E-01	1.5E+02	5.0E+02
TRICHLOROETHYLENE	1.2E+00	2.0E+00	1.2E+03	4.1E+03
TRICHLOROPHENOL, 2,4,5-	7.3E+01	1.0E+02	7.3E+04	2.0E+05
TRICHLOROPHENOL, 2,4,6-				
VANADIUM				
VINYL CHLORIDE	3.2E-02	5.3E-02	3.2E+01	1.1E+02
XYLENES	1.5E+02	2.0E+02	1.5E+05	4.1E+05
ZINC				

TABLE E. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Indoor Air and Soil Gas
(Vapor Intrusion Concerns)

	INDOOR AIR SCREENING LEVELS		[2]SHALLOW SOIL GAS SCREENING LEVELS	
CHEMICAL PARAMETER	**[1]Residential Land Use (ug/m3)**	**Commercial/ Industrial Land Use Only (ug/m^3)**	**[1]Residential Land Use (ug/m3)**	**Commercial/ Industrial Land Use Only (ug/m^3)**
Electrical Conductivity (mS/cm, USEPA Method 120.1 MOD)	not applicable	not applicable	not apploicable	not applicable
Sodium Adsorption Ratio	not applicable	not applicable	not applicable	not applicable

Red: Updated with respect to ESLs presented in July 2003 document.

Notes:

1. Category "Residential Land Use" generally considered adequate for other sensitive uses (e.g., day-care centers, hospitals, etc.)
2. Soil Gas: Screening levels based on soil gas data collected less than 1.5 meters (five feet) below a building foundation or the ground surface. Intended for evaluation of potential indoor-air impacts.

Soil gas data should be collected and evaluated at all sites with significant areas of VOC-impacted soil. Screening levels also apply to areas over of impacted groundwater.

Source of soil ESLs: Refer to Tables E-2 and E-3 in Appendix 1.

TPH -Total Petroleum Hydrocarbons. TPH ESLs must be used in conjunction with ESLs for related chemicals (e.g., BTEX, PAHs, oxidizers, etc.). See Volume 1, Section 2.2 and Appendix 1, Chapter 5.

TABLE F: SURFACE WATER

TABLE F. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Surface Water Bodies

	SURFACE WATER SCREENING LEVELS		
CHEMICAL PARAMETER	[1]Freshwater (ug/L)	[2]Marine (ug/L)	[3]Estuarine (ug/L)
ACENAPHTHENE	2.0E+01	2.0E+01	2.0E+01
ACENAPHTHYLENE	3.0E+01	3.0E+01	3.0E+01
ACETONE	1.5E+03	1.5E+03	1.5E+03
ALDRIN	1.4E-04	1.4E-04	1.4E-04
ANTHRACENE	7.3E-01	7.3E-01	7.3E-01
ANTIMONY	6.0E+00	5.0E+02	3.0E+01
ARSENIC	1.4E-01	1.4E-01	1.4E-01
BARIUM	1.0E+03	1.0E+03	1.0E+03
BENZENE	1.0E+00	7.1E+01	4.6E+01
BENZO(a)ANTHRACENE	2.7E-02	2.7E-02	2.7E-02
BENZO(b)FLUORANTHENE	2.9E-02	2.9E-02	2.9E-02
BENZO(k)FLUORANTHENE	2.9E-02	4.9E-02	4.9E-02
BENZO(g,h,i)PERYLENE	1.0E-01	1.0E-01	1.0E-01
BENZO(a)PYRENE	1.4E-02	1.4E-02	1.4E-02
BERYLLIUM	2.7E+00	2.7E+00	2.7E+00
BIPHENYL, 1,1-	5.0E-01	5.0E-01	5.0E-01
BIS(2-CHLOROETHYL)ETHER	1.4E-02	1.4E+00	1.4E+00
BIS(2-CHLOROISOPROPYL)ETHER	5.0E-01	6.1E+01	6.1E+01
BIS(2-ETHYLHEXYL)PHTHALATE	4.0E+00	5.9E+00	5.9E+00
BORON	1.6E+00	1.6E+00	1.6E+00
BROMODICHLOROMETHANE	1.0E+02	3.2E+03	3.2E+03
BROMOFORM	1.0E+02	3.6E+02	3.6E+02
BROMOMETHANE	9.8E+00	3.2E+03	1.6E+02
CADMIUM	1.1E+00	9.3E+00	1.1E+00
CARBON TETRACHLORIDE	5.0E-01	4.4E+00	4.4E+00
CHLORDANE	5.9E-04	5.9E-04	5.9E-04
CHLOROANILINE, p-	5.0E+00	5.0E+00	5.0E+00
CHLOROBENZENE	2.5E+01	5.0E+01	2.5E+01
CHLOROETHANE	1.2E+01	1.2E+01	1.2E+01
CHLOROFORM	7.0E+01	4.7E+02	4.7E+02
CHLOROMETHANE	1.3E+00	3.2E+03	3.2E+03
CHLOROPHENOL, 2-	1.8E-01	1.8E-01	1.8E-01
CHROMIUM (Total)	5.0E+01	1.8E+02	1.8E+02
CHROMIUM III	1.8E+02	1.8E+02	1.8E+02
CHROMIUM VI	1.1E+01	5.0E+01	1.1E+01
CHRYSENE	4.9E-02	4.9E-02	4.9E-02
COBALT	3.0E+00	3.0E+00	3.0E+00
COPPER	9.0E+00	3.1E+00	3.1E+00
CYANIDE (Free)	5.2E+00	1.0E+00	1.0E+00
DIBENZO(a,h)ANTHTRACENE	8.5E-03	4.9E-02	4.9E-02
DIBROMOCHLOROMETHANE	4.6E+01	4.6E+01	4.6E+01
1,2-DIBROMO-3-CHLOROPROPANE	2.0E-01	2.0E-01	2.0E-01
DIBROMOETHANE, 1,2-	5.0E-02	1.4E+03	1.4E+03
DICHLOROBENZENE, 1,2-	1.0E+01	1.0E+01	1.0E+01
DICHLOROBENZENE, 1,3-	7.1E+01	6.5E+01	6.5E+01
DICHLOROBENZENE, 1,4-	5.0E+00	1.1E+01	1.1E+01
DICHLOROBENZIDINE, 3,3-	2.9E-02	7.7E-02	7.7E-02

TABLE F. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Surface Water Bodies

CHEMICAL PARAMETER	SURFACE WATER SCREENING LEVELS [1]Freshwater (ug/L)	[2]Marine (ug/L)	[3]Estuarine (ug/L)
DICHLORODIPHENYLDICHLOROETHANE (DDD)	8.4E-04	8.4E-04	8.4E-04
DICHLORODIPHENYLDICHLOROETHYLENE (DDE)	5.9E-04	5.9E-04	5.9E-04
DICHLORODIPHENYLTRICHLOROETHANE (DDT)	5.9E-04	5.9E-04	5.9E-04
DICHLOROETHANE, 1,1-	5.0E+00	4.7E+01	4.7E+01
DICHLOROETHANE, 1,2-	5.0E-01	9.9E+01	9.9E+01
DICHLOROETHYLENE, 1,1-	3.2E+00	3.2E+00	3.2E+00
DICHLOROETHYLENE, Cis 1,2-	6.0E+00	5.9E+02	5.9E+02
DICHLOROETHYLENE, Trans 1,2-	1.0E+01	2.6E+02	2.6E+02
DICHLOROPHENOL, 2,4-	3.0E-01	3.0E-01	3.0E-01
DICHLOROPROPANE, 1,2-	5.0E+00	1.0E+01	1.0E+01
DICHLOROPROPENE, 1,3-	5.0E-01	1.2E+02	1.2E+02
DIELDRIN	2.2E-03	1.9E-03	1.9E-03
DIETHYLPHTHALATE	1.5E+00	1.7E+00	1.5E+00
DIMETHYLPHTHALATE	1.5E+00	1.7E+00	1.5E+00
DIMETHYLPHENOL, 2,4-	1.0E+02	1.1E+02	1.1E+02
DINITROPHENOL, 2,4-	1.4E+01	7.5E+01	7.5E+01
DINITROTOLUENE, 2,4-	1.1E-01	9.1E+00	9.1E+00
1,4 DIOXANE	3.0E+00	5.0E+04	5.0E+04
DIOXIN (2,3,7,8-TCDD)	1.4E-08	1.4E-08	1.4E-08
ENDOSULFAN	5.6E-02	8.7E-03	8.7E-03
ENDRIN	3.6E-02	2.3E-03	2.3E-03
ETHANOL	5.0E+04	5.0E+04	5.0E+04
ETHYLBENZENE	3.0E+01	3.0E+01	3.0E+01
FLUORANTHENE	8.1E+00	8.0E+00	8.0E+00
FLUORENE	3.9E+00	3.9E+00	3.9E+00
HEPTACHLOR	2.1E-04	2.1E-04	2.1E-04
HEPTACHLOR EPOXIDE	1.1E-04	1.1E-04	1.1E-04
HEXACHLOROBENZENE	7.7E-04	7.7E-04	7.7E-04
HEXACHLOROBUTADIENE	2.1E-01	4.7E+00	4.7E+00
HEXACHLOROCYCLOHEXANE (gamma) LINDANE	6.3E-02	6.3E-02	6.3E-02
HEXACHLOROETHANE	7.0E-01	8.9E+00	8.9E+00
INDENO(1,2,3-cd)PYRENE	2.9E-02	2.9E-02	2.9E-02
LEAD	2.5E+00	8.1E+00	2.5E+00
MERCURY	1.2E-02	2.5E-02	1.2E-02
METHOXYCHLOR	1.9E-02	1.9E-02	1.9E-02
METHYLENE CHLORIDE	5.0E+00	1.6E+03	1.6E+03
METHYL ETHYL KETONE	4.2E+03	8.4E+03	8.4E+03
METHYL ISOBUTYL KETONE	1.2E+02	1.7E+02	1.7E+02
METHYL MERCURY	3.0E-03	3.0E-03	3.0E-03
METHYLNAPHTHALENE (total 1- & 2-)	2.1E+00	2.1E+00	2.1E+00
METHYL TERT BUTYL ETHER	5.0E+00	1.8E+02	1.8E+02
MOLYBDENUM	3.5E+01	2.4E+02	2.4E+02
NAPHTHALENE	1.7E+01	2.1E+01	2.1E+01
NICKEL	5.2E+01	8.2E+00	8.2E+00
PENTACHLOROPHENOL	1.0E+00	7.9E+00	7.9E+00
PERCHLORATE	6.0E+00	6.0E+02	6.0E+02
PHENANTHRENE	6.3E+00	4.6E+00	4.6E+00

TABLE F. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Surface Water Bodies

CHEMICAL PARAMETER	SURFACE WATER SCREENING LEVELS [1]Freshwater (ug/L)	[2]Marine (ug/L)	[3]Estuarine (ug/L)
PHENOL	5.0E+00	1.3E+03	1.3E+03
POLYCHLORINATED BIPHENYLS (PCBs)	1.7E-04	1.7E-04	1.7E-04
PYRENE	2.0E+00	2.0E+00	2.0E+00
SELENIUM	5.0E+00	7.1E+01	5.0E+00
SILVER	3.4E-01	1.9E-01	1.9E-01
STYRENE	1.0E+01	1.1E+01	1.1E+01
tert-BUTYL ALCOHOL	1.2E+01	1.8E+04	1.8E+04
TETRACHLOROETHANE, 1,1,1,2-	1.3E+00	9.3E+02	9.3E+02
TETRACHLOROETHANE, 1,1,2,2-	1.0E+00	1.1E+01	1.1E+01
TETRACHLOROETHYLENE	5.0E+00	8.9E+00	8.9E+00
THALLIUM	2.0E+00	6.3E+00	6.3E+00
TOLUENE	4.0E+01	4.0E+01	4.0E+01
TOXAPHENE	2.0E-04	2.0E-04	2.0E-04
TPH (gasolines)	1.0E+02	3.7E+03	5.0E+02
TPH (middle distillates)	1.0E+02	6.4E+02	6.4E+02
TPH (residual fuels)	1.0E+02	6.4E+02	6.4E+02
TRICHLOROBENZENE, 1,2,4-	2.5E+01	6.5E+01	2.5E+01
TRICHLOROETHANE, 1,1,1-	6.2E+01	6.2E+01	6.2E+01
TRICHLOROETHANE, 1,1,2-	5.0E+00	4.2E+01	4.2E+01
TRICHLOROETHYLENE	5.0E+00	8.1E+01	8.1E+01
TRICHLOROPHENOL, 2,4,5-	6.3E+01	1.1E+01	1.1E+01
TRICHLOROPHENOL, 2,4,6-	5.0E-01	6.5E+00	6.5E+00
VANADIUM	1.5E+01	1.9E+01	1.9E+01
VINYL CHLORIDE	5.0E-01	5.3E+02	5.3E+02
XYLENES	2.0E+01	1.0E+02	1.0E+02
ZINC	1.2E+02	8.1E+01	8.1E+01
Electrical Conductivity (mS/cm, USEPA Method 120.1 MOD)	not applicable	not applicable	not applicable
Sodium Adsorption Ratio	not applicable	not applicable	not applicable

Red: Updated with respect to ESLs presented in July 2003 document.

Notes:

1. Source of Freshwater ESLs: Refer to Appendix 1, Table F-2a
2. Source of Marine ESLs: Refer to Appendix 1, Table F-2b.
3. Source of Estuarine ESLs: Refer to Appendix 1, Table F-2c.

Surface water screening levels lowest of drinking water goal (freshwater only), chronic aquatic habitat goal, goal to address bioaccumulation in aquatic organisms and subsequent consumption by humans, and general nuisance goal (odors, etc.). Refer to Section 2.7 of text for discussion.

Estuarine screening levels lowest of freshwater and marine screening levels.

Water ESLs for ethanol based on gross contamination concerns (see Appendix 1, Chapter 5 and related tables).

TPH -Total Petroleum Hydrocarbons. TPH ESLs must be used in conjunction with ESLs for related chemicals (e.g., BTEX, PAHs, oxidizers, etc.). See Section 2.2 and Appendix 1, Chapter 5.

BECHTEL ENVIRONMENTAL, INC.

CLEAN 3 TRANSMITTAL/DELIVERABLE RECEIPT

Contract No. N-68711-95-D-7526 **Document Control No.** BEI-7526-0085-0231

File Code 0214

TO: Contracting Officer
NAVFAC Southwest
Ms. Graciela R. Steinway, AQE.GS
1220 Pacific Highway
San Diego, CA 92132-5190

DATE: August 28, 2007
CTO #: 0085
LOCATION: Alameda, California

FROM: JLA for
Janet L. Argyres, Project Manager

DESCRIPTION: Draft Final Site Inspection Report – Transfer Parcel EDC-12 for Alameda Point, Dated – August 2007

TYPE: Contract Deliverable (Cost) ___ CTO Deliverable (Technical) X Other ___

VERSION: Draft Final (e.g., Draft, Draft Final, Final, etc.) REVISION #: 0

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CLEAN 3 Program
Bechtel Job No. 23818
Contract No. N68711-95-D-7526
File Code: 0214
IN REPLY REFERENCE: BEI-7526-0085-0231

August 28, 2007

Contracting Officer
NAVFAC Southwest
Ms. Graciela R. Steinway, AQE.GS
1220 Pacific Highway
San Diego, CA 92132-5190

Subject: Draft Final Site Inspection Report
Transfer Parcel EDC-12
Alameda Point, Alameda, California

Dear Ms. Steinway:

Enclosed please find six copies of the Draft Final Site Inspection Report for Transfer Parcel EDC-12, Alameda Point, Alameda, California, dated August 2007. As directed by the Navy RPM, we are concurrently transmitting copies to Ms. Anna-Marie Cook of U.S. EPA, Ms. Dot Lofstrom of DTSC, and Mr. John West of the RWQCB. In addition, we are forwarding copies on behalf of the Navy to the parties listed on the attached transmittal sheet.

If you have any questions, please contact Michele Dermer, CTOL, at (415) 768-2832 or me at (415) 768-9917.

Very truly yours,

Janet L. Argyres
Project Manager

Enclosure

BECHTEL ENVIRONMENTAL, INC.
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San Diego, CA 92101-8502 USA